

VRF City Multi Product Catalogue











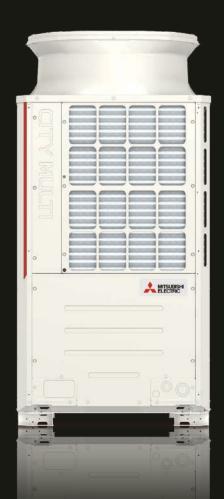
Features of Mitsubishi Electric Air Conditioners p.3-22 Outdoor Unit p.23-91 **Indoor Unit** p.93-140 Hot Water Heat Pumps p.141-151 Ventilation p.152-166 Controllers p.167-189 BMS p. 190-193 **Optional Parts** p.194-197 Installation Information p.198-203 Maintenance Equipment p.204 **BS Salt Protection Specifications** p.205



To the next stage of air conditioning

Introducing a new series of air conditioners with improved basic functions and advanced compressor, well streamlined fan that meet energy-saving requirements.

Mitsubishi Electric continues to improve air conditioning quality and provide its customers with next-stage solutions.



Energy Saving

Flexible Noise Setting

New Design

New BC controller

New CITY MULTI

The new structural design has a 4-face air induction design and improved core components, such as compressor and fan, significantly improving energy-saving performance.



Energy Saving

Various key components have been improved, enhancing energy efficiency performance and meeting customers' requirements.

New Design

New modern design blends in well with most building architectures.

Flexible Noise Setting

All models in the series are equipped with low-noise operating mode as a standard feature. Choose from five different patterns for the optimum setting to meet the low-noise requirements.

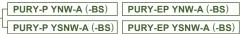
New BC controller

The BC controllers for R2 have been remodeled. Up to 11 sub-BC controllers can be connected to the main BC controller.

R2 (Heat Recovery) Series

Simultaneous Cooling and Heating





Y (Heat Pump) Series

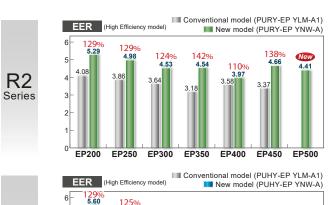
Cooling or Heating

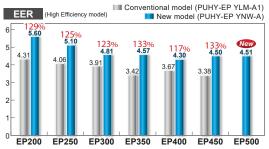
Y series
PUHY-P YNW-A (-BS)
PUHY-P YSNW-A (-BS)

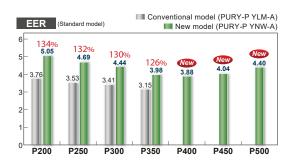
PUHY-EP YNW-A (-BS)

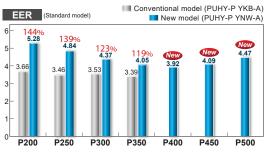
Energy Saving

Compared to the existing models, the all single modules in YNW Series have improved EER. EER of the 14HP model (PURY-EP350YNW-A) is higher by about 42%. All these models ensure high energy saving.









*Comparison under the nominal condition.

New

Flexible Noise Setting





Series







The low-noise mode, which conventionally only had one pattern, has been increased to four patterns so that a mode can be selected from a total of five patterns, including the rated pattern. The low-noise mode has four patterns 85%, 70%, 60% and 50% in respect to the fan speed. This can be set with the outdoor unit's DIP switch. The pattern can be selected according to the customer's requests when low-noise operation is required.

New Design



* All product images are standard type.



To realize higher efficiencies, the structure was changed to use a four-sided heat exchanger.

The result is an appearance that is more sophisticated which can enhance the design of building.

Conventional model (YLM)

New model (YNW)

Comparison of modules (R2 Series) (R2 Series)











Capacity increased up to 44HP New 16~20HP single module available





Use of module one size smaller than conventional unit

Single modules of up to 20HP have been added to R2-Series.

Single modules are smaller, with L modules replacing the EP400 and P450 modules, reducing installation space by approximately 29%.

■R2-Series



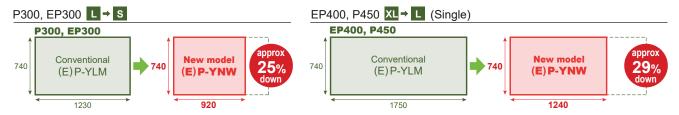
	8HP	10HP	12HP	14HP	16HP	18HP	20HP
	P200	P250	P300	P350	P400	P450	P500
YLM-A	S	S	L	L	_	_	_
New YNW	S	S	S	L	L	L	XL



	8HP	10HP	12HP	14HP	16HP	18HP	20HP
	EP200	EP250	EP300	EP350	EP400	EP450	EP500
YLM-A1	S	S	L	L	XL	XL	_
New YNW	S	S	S	L	L	L	XL

Combination

	8HP	10HP	12HP	14HP	16HP	18HP	20HP	22HP	24HP	26HP	28HP	30HP	32HP	34HP	36HP	38HP	40HP	42HP	44HP
	P200	P250	P300	P350	P400	P450	P500	P550	P600	P650	P700	P750	P800	P850	P900	P950	P1000	P1050	P1100
YLM-	A –	_	_	_	S+S	S+S	S+S	S+L	L+L	L+L	L+L	L+L	L+L	L+XL	XL+XL	_	_	_	_
New YNV	/ _	_	_	_	S+S	S+S	S+S	S+S	S+S	S+L	L+L	L+L	L+L	L+L	L+L	L+XL	XL+XL	XL+XL	XL+XL



New BC controller



Sub-BC controller connections increased (250)



Only two sub-BC controllers could be connected to a main BC controller in previous models. Up to 11 sub-BC controllers can now be connected to the new BC controller, allowing for more flexibility in system design.

The line-branching method enables the creation of system designs that use less refrigerant.

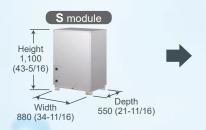


PQHY/PQRY Series

Increased capacities of single-module units and WR2 units

Single or combination-module units are available to meet various installation conditions and capacity requirements.









mm (in.)

<WY series>

Newly available single-module units



		P200	P250	P300	P350	P400	P450	P500	P550	P600	P650	P700	P750	P800	P850	P900
PQHY-P Y(S)LM-A	Single	S	S	S	L	L	L	L •	L	L						
PQHY-P Y(S)HM-A	Single	S	S	S												
PQHY-P Y(S)LM-A	Combination					S+S	S+S	S+S	S+S	S+S		L+L	L+L	L+L	L+L	L+L
PQHY-P Y(S)HM-A	Combination					S+S	S+S	S+S	S+S	S+S	S+S+S	S+S+S	S+S+S	S+S+S	S+S+S	S+S+S

<WR2 series>

Newly available single-module units

Increased capacities up to P900



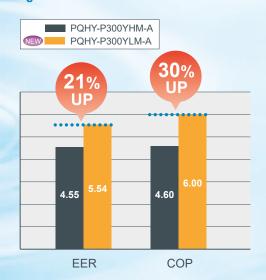
NEV

			P200	P250	P300	P350	P400	P450	P500	P550	P600	P650	P700	P750	P800	P850	P900
W	PQRY-P Y(S)LM-A	Single	S	S	S	L	L	L	L •	L	L						
	PQRY-P Y(S)HM-A	Single	S	S	S												
W	PQRY-P Y(S)LM-A	Combination					S+S	S+S	S+S	S+S	S+S		L+L	L+L	L+L	L+L	L+L •
	PQRY-P Y(S)HM-A	Combination					S+S	S+S	S+S	S+S	S+S						

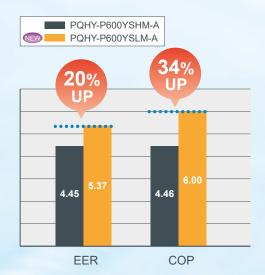
Improved EER and COP

Greatly improved EER and COP when compared to previous models

■ Comparisons of new and old single-module P300 units



■ Comparisons of new and old combination-module P600 units



Advantages of increased capacity of single-module units

Reduced piping work

Capable of covering up to P600 (24 HP) with a single module.

■ P400YSHM (WY/WR2 series)

Height 1,100 (43-5/16) 1,100 (43-5/16)Depth Depth 550 (21-11/16) Width Width 550 (21-11/16) 880 (34-11/16) To indoor unit 880 Liquid Twinning pipe <optional parts> (34-11/16) To indoor unit Gas Twinning pipe <optional parts>

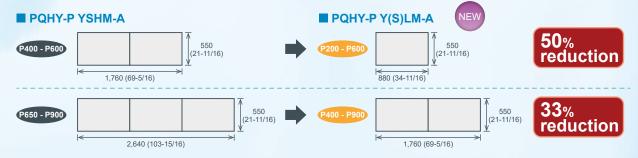
Piping between the heat source units is necessary.

■ P400YLM (WY/WR2 series)



Reduced footprint

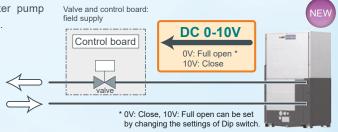
Footprint is reduced not only for single-module units but also for combination-module units.



Output signal (0-10V) for water flow rate adjustment controller

Improve system energy consumption by reducing the water pump consumption by changing water flow volume during partial load.

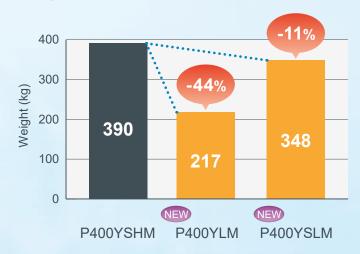
- Control of water flow rate
- Control output voltage (0-10V) for adjustment of valve operating [0V: Full open,10V: close]
- Voltage at 0 volt: Even when power down, water will continue to circulate.



Light weight

The reduction in weight leads to easy transportation and installation.

<Weight comparison>



New BC Controller

1 Sub-BC controller connections increased

Only two sub-BC controllers could be connected to a main BC controller in previous models. Up to 11 sub-BC controllers can now be connected to the new BC controller, allowing for more flexibility in system design.

The line-branching method enables the creation of system designs that use less refrigerant.



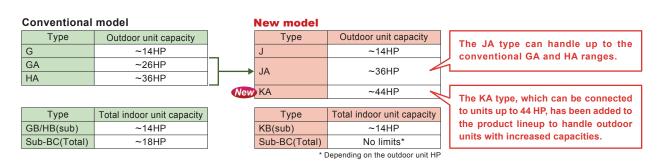
2 Greater flexibility in refrigerant piping design



The piping length from the main BC controller to indoor units has been increased from 60m[196ft] to 90m[295ft], providing greater flexibility in piping design.

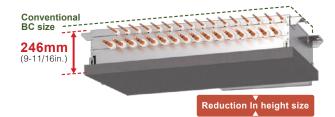
3 Main BC controller with increased connection capacity

The connection capacity of the main BC controller has been increased compared to previous controllers, allowing system designs with fewer units. The KA type, which can be connected to units up to 44 HP, has been added to the product lineup to handle outdoor units with increased capacities.



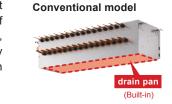
4 Reduced height

With an average lower height of 40.5mm compared to previous sub-BC controllers, the new design can be installed in ceilings with limited space.



5 Improved accessibility to lower surface and serviceability

Previously, the drain pan on conventional models was built into the bottom and could not be removed. The drain pan of the new model is installed on the lower surface like a cover, making it easily removable for service from below. Serviceability is therefore improved compared to conventional units, which need to be serviced from the side.





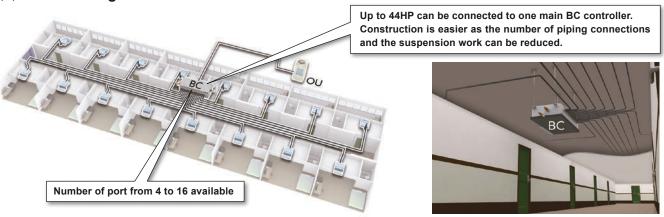
^{*}Sub-BC controllers should be used when piping length is 60m[196ft.] or more.

^{*} Servicing space is required.

^{*} Service space is required.

BC controller design can be selected from various patterns depending on use.

(1) Pattern using multi-branch main BC controller

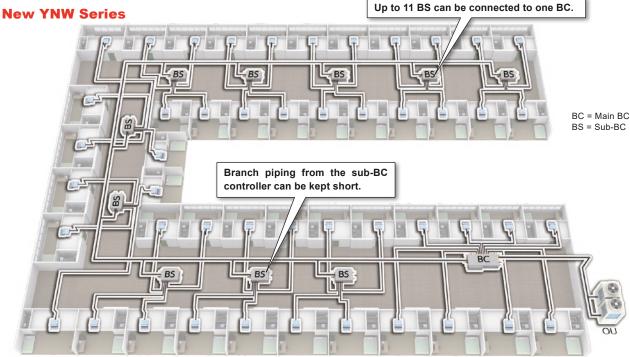


(2) The line-branching method with a main BC controller and sub-BC controllers



The number of sub-BC controllers that can be connected has been increased from 2 to 11, and sub-BC controllers can be now installed closer to the indoor units, thus reducing both the total branch length compared to conventional models and the amount of refrigerant used.

- · Low number of piping connections, even across many rooms.
- Low amount of refrigerant required.



*When you install sub-BC controller, please refer to DATABOOK for full detail

Comparison of piping design for 48 rooms Conventional model



Branch piping from sub-BC controller is long

*The 16 branch BC controller is an older model, and is not possible in this design.

New model

The sub-BC controller can be installed near the indoor units, so the branch piping can be greatly reduced. This also reduces the length of system piping, enabling using less refrigerant design.

Overall branch piping length reduced

Refrigerant amount reduced by 20%*

- Outdoor unit: 36 HP Indoor units: P25 × 48 units BC controllers: Existing HA + HB (16-branch) × 2 units New JA + KB (4-branch) × 10 units

TECHNOLOGY/FUNCTION INTRODUCTION

Technologies

Inverter-driven compressor technology



All CITY MULTI compressors are of the inverter-driven type, capable of precisely matching a building's cooling and heating demands.

The compressor varies its speed to match the indoor cooling or heating demand and therefore only consumes the energy that is required.

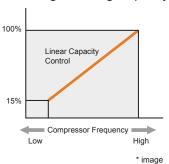
When an inverter driven system is operating at partial load, the energy efficiency of the system is significantly higher than that of a standard fixed speed, non-inverter system.

The fixed speed system can only operate at 100%, however, partial load conditions prevail for the majority of the time. Therefore, fixed speed systems cannot match the annual efficiencies of inverter driven systems.

Using proven single inverter driven compressor technology, the CITY MULTI range is favored by the industry for low starting currents (just 8 amps for a 20HP outdoor unit) and smooth transition across the range of compressor frequencies.

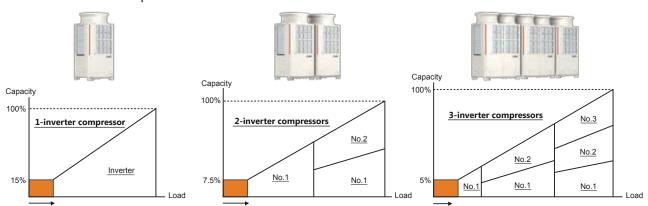
compressor

· Heating / Cooling Capacity



*Values vary depending on actual conditions, such as ambient temperature.

· Stable and Smooth Operation



Intelligent Power Module (IPM) manufactured by Mitsubishi Electric is used



Power modules manufactured by Mitsubishi Electric are installed in the compressor, which is the core component, as well as in the inverter circuit board that drives the fan. SiC (silicon carbide) is used in the power module equipped with a voltage-boosting circuit that raises the output voltage of the inverter to expand the operating range. This greatly reduces the power loss of the voltage-boosting circuit and helps improve the energy efficiency of the unit (EER improvement).



- * The 20 horsepower YNW is equipped with a voltage boosting circuit that uses SiC.
- *1. IPM (compressor) is installed on 14HP to 20HP (P350 to P500) single modules, 26HP to 54HP (P650 to P1350) combination modules. SiC elements are used in some 20HP (P500) single module IPM.
- *2. IPM (compressor) is installed on 14HP to 20HP (P350 to P500) single modules, 26HP to 44HP (P650 to P1100) combination modules SiC elements are used in some 20HP (P500) single modules IPM.
- *3. IPM (compressor) is installed on 14HP to 36HP (P350 to P900). (Excluding the 16HP to 20HP (P400 to P500) combination models)

PWM control

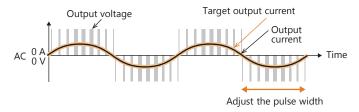


PWM control is used to control the number of motor revolutions according to the operational load; and it varies the inverter pulse width (electric signal wave occurring over a short period) to control the output.

Optimal control of the electrical current is required according to operation.

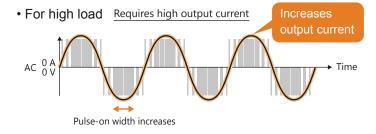


 For low load Does not require high target output current.



To accomplish the target output current, the intervals at which the "pulse" signal is turned on are controlled to adjust the output current.

At the low-load time, the pulse-on width is minimized to save energy.



The increased pulse-on width increases both the duration that voltage is applied and the amount of electrical current compared to the low-load time, accelerating the compressor's rotation speed from 60 rps to 140 rps.*

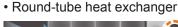
*Number of compressor rotations differs depending on the usage condition.

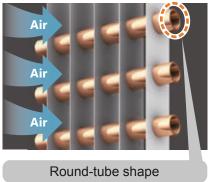
Adjustment of pulse range and output current to suit a given load increases the operating ability range of the unit.

Flat-tube heat exchanger

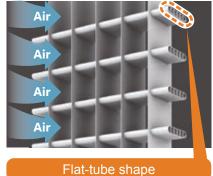


The heat exchanger is a flat-tube heat exchanger with high heat-exchange efficiency. The use of flat tubes increases the number of piping stages while maintaining the same size of heat exchanger. The inside of the tube is divided into thin compartments, which increases the area of contact between refrigerant and air, thereby increasing heat-exchange effectiveness and significantly improving energy-saving performance. The flat-tube heat exchanger improves heat-exchange effectiveness by approximately 30% compared to round-tube heat exchangers.





Flat-tube heat exchanger



(Illustration)

Approximately 30% increase in heat-exchange efficiency (compared to round-tube)

Surface area 220% increase (compared to round-tube)

Heat Inter-Changer (HIC) circuit



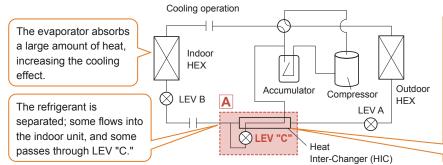
The HIC circuit increases cooling efficiency. This technology raises the degree of supercooling, increasing both cooling capacity and cooling efficiency.

The HIC circuit is installed before the point at which the high-pressure liquid refrigerant, which has passed through the heat exchanger of the outdoor unit, flows into the indoor unit. The temperature of the liquid refrigerant, to which heat has been discharged from the outdoor unit's heat exchanger, is further lowered before the refrigerant enters the expansion valve, allowing the evaporator to absorb a large amount of heat to increase cooling efficiency.

HIC mechanism

Some of the high-pressure liquid refrigerant that has passed through the outdoor unit's heat exchanger flows into the indoor unit directly, and the rest passes through linear expansion valve (LEV) "C" to decrease both the temperature and pressure. The heat is exchanged between the low-temperature, low-pressure liquid refrigerant that has passed through LEV "C" and the moderate-temperature liquid refrigerant from the outdoor unit's heat exchanger. This further lowers the temperature of the liquid refrigerant before it enters LEV "B". This heat exchange system uses a "double-pipe" heat exchanger.

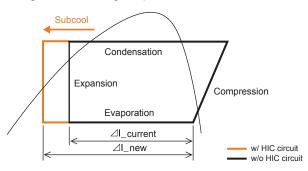




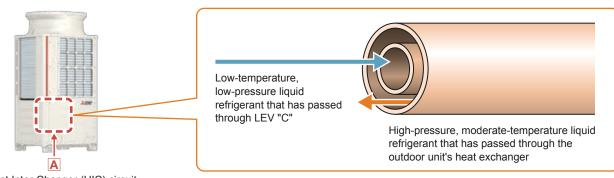
The double-pipe heat exchanger exchanges the heat between the low-temperature, low-pressure liquid refrigerant that has passed through LEV "C," and the

moderate-temperature liquid refrigerant from the outdoor heat exchanger. This allows the refrigerant to cool down to a lower temperature and flow through the indoor unit.

• HIC circuit effect: (Image using a Mollier diagram)



 HIC circuit (Double-pipe heat exchanger) Double-pipe heat exchange cross section (High-performance grooved pipe)



Heat Inter-Changer (HIC) circuit

IH warmer



Induction heating (IH) is used to heat the refrigerant flowing back into the compressor*. This method differs from the conventional crankcase heater method (in which a belt heater is wrapped around the outside of the compressor) in that heat is not applied from the outside; the refrigerant is heated from the inside, eliminating wasted heat.

- * Normally, the compressor is heated while the outdoor unit is stopped to prevent liquid refrigerant from remaining in the compressor and to evaporate the liquid refrigerant in the compressor.
- *1. Power supplied to the heater only for 22HP and 24HP (P550 and P600) single modules

- Crankcase heater power supply method
- IH power supply method (without crankcase heater)





Metal plate compressor enclosure



The compressor is enclosed in metal plates to reduce noise.

On some models, sound absorbing materials are applied to the metal plates to reduce further noise.



Functions

COP priority mode



The operation pattern under low ambient temperature conditions can be selected and the priority mode setting ("Capacity priority mode" and "COP priority mode") can be switched with the dip switches.

Each mode is activated when the ambient temperature is below the specified temperature. For factory settings, refer to the Data Book.

Low noise mode



This mode reduces noise by limiting the compressor frequency and the number of rotations made by the outdoor fan.

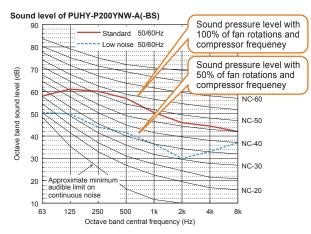
The user can select their preferred level.

*Cooling/heating capacity drops during low-noise mode operation.

		63	125	250	500	1k	2k	4k	8k	dB(A)
Standard	50/60Hz	58.0	61.0	60.0	57.0	50.5	46.0	44.5	42.0	58.0
Low noise mode	50/60Hz	50.5	50.0	44.0	41.5	36.5	30.0	33.0	37.0	44.0

When Low noise mode is set, "Performance-priority mode" and "Quiet-priority mode" can be selected. When "Performance-priority mode" is selected, the system may automatically return to normal operation from Low noise mode in cases of heavy operation conditions.

 Examples of sound pressure level in low noise mode (PUHY-P200YNW-A <cooling>)



System changeover (for heat pump)



Normal switching between cooling and heating

With CITY MULTI's switchable cooling/heating models, in order to switch from cooling to heating, the operation mode of all indoor units performing cooling operation needs to be manually switched.

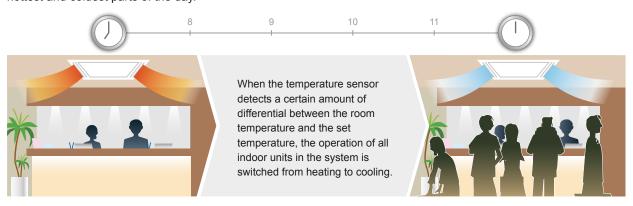


Using system changeover to switch between cooling and heating

Depending on the dip switch settings, all indoor units can automatically switch their operation mode according to the operation mode of a specific indoor unit (the unit with the smallest M-NET address). Operation can be automatically switched between cooling and heating according to the temperature difference between the preset temperature on a specific indoor unit and the room temperature.

Suitable situations

When both cooling and heating operations are required in a single day due to an extreme difference between the hottest and coldest parts of the day.



When using the AE-200E/AE-50E

It is possible to automatically switch between cooling and heating without setting the dip switches on outdoor units. The user can select from the two types of switching patterns shown below.

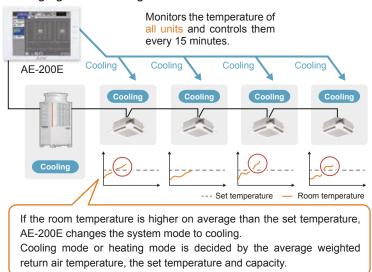
(1) Averaging

The operation mode (cooling or heating) will be determined and switched every 15 minutes based on the demands of the majority of all groups connected to the outdoor unit, taking into consideration the capacity of each indoor unit and the temperature differences between the set temperatures and room temperatures.

(2) Representative Group

The operation mode (cooling or heating) will be switched based on the temperature difference between the set temperature and the room temperature of the representative group.

Averaging method image



Settings for the AE-200E



*To activate system changeover, the Web Browser for Initial Settings is required.

Dual set point



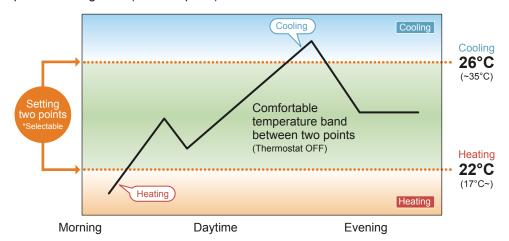
Normally, the desired room temperature is set to the same value for cooling and heating. However, the dual set point function makes it possible to set different temperatures for cooling and heating. When operation switches from cooling to heating or vice versa, the preset temperature changes accordingly.

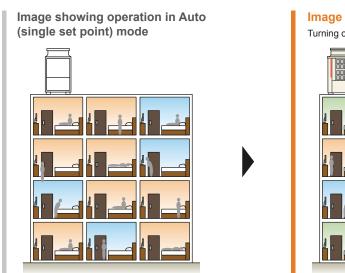
Setting dual set points for the Auto mode on R2 and WR2 helps improve energy efficiency, compared to setting a single set point.

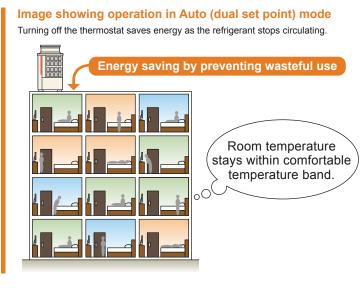
When the operation mode is set to the Auto (dual set point) mode, two preset temperatures (one each for cooling and heating) can be set. Depending on the room temperature, the indoor unit will automatically operate in either the Cool or Heat mode and keep the room temperature within the preset range.

The outdoor unit does not operate in the dead band defined by two temperature points where the thermostat is off. This cuts down on unnecessary operation of the air conditioning system.

· Operation pattern during Auto (dual set point) mode







Heating

operation

Coolina

operation

Thermo OFF

^{*}This function is supported only when all the indoor units, remote controllers, and system controllers that are connected to a given group feature the function.

Evaporating temperature control (during cooling)



During cooling, the temperature of the refrigerant is controlled according to the air conditioning load. This helps to ensure energy-efficient operation.

Normal mode

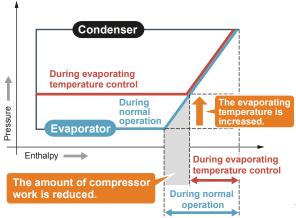
The evaporating temperature is kept constant regardless of the load. Even at low loads, the normal evaporating temperature does not change, which leads to energy losses during partial load operation.

Smart evaporating temperature control mode

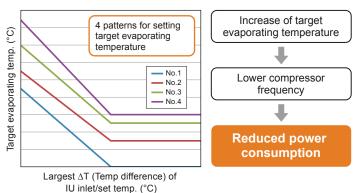
The evaporating temperature is increased and the compressor input is decreased according to the load, resulting in increased operating efficiency.

There are two patterns to control the evaporating temperature as follows.

- 1 The evaporating temperature is controlled to be constant, regardless of the ΔT . The evaporating temperature is set to a value that is higher than the normal evaporating temperature.
- 2 The evaporating temperature is controlled by shifting it according to the ΔT . The user can select from 4 control patterns.
- * The availability of 1 and 2 varies depending on the model. Refer to the function table.
- * Changing the evaporating temperature reduces latent heat capacity. Select an appropriate pattern according to the installation conditions.
- * The fixed temperature control function and the automatic control shifting function cannot both be used simultaneously.
- Evaporating temperature control image (Fixed temperature control)



Evaporating temperature control image (Automatic control shifting with 4 patterns)



- *1 To change the evaporating temperature setting, it is necessary to change the setting of the dip switch on the outdoor unit.
- *2 When the difference between the indoor unit air-intake temperature and the actual temperature setting exceeds 1°C, the evaporating temperature based on this difference is constant.

- Suitable situations
- Spaces with constant high temperatures from heat sources such as OA equipment
- When the load is low during periods when air conditioners are used for cooling (such as during the morning).

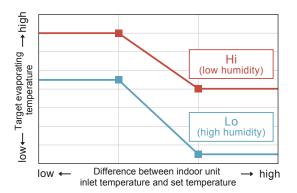


High sensible heat operation (during cooling)



The evaporating temperature is controlled according to room temperature and humidity, and refrigerant pressure.

Image of evaporating temperature control during high sensible heat operation in full cooling mode

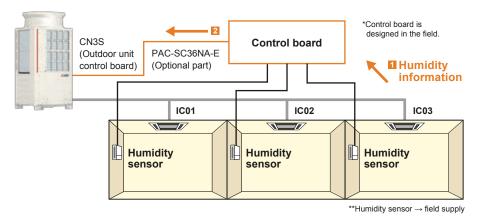


With high sensible heat operation mode activated, air conditioners consume less energy, thereby realizing cost savings.

If a locally-procured humidity sensor is installed, the evaporating temperature of the outdoor unit can be controlled optimally as shown below according to the difference between the indoor unit inlet temperature and set temperature.

A wide range of temperature settings are available, from a low evaporating temperature close to the temperature for normal operation to a high evaporating temperature to realize energy savings.

· Locally-procured humidity sensor installation image



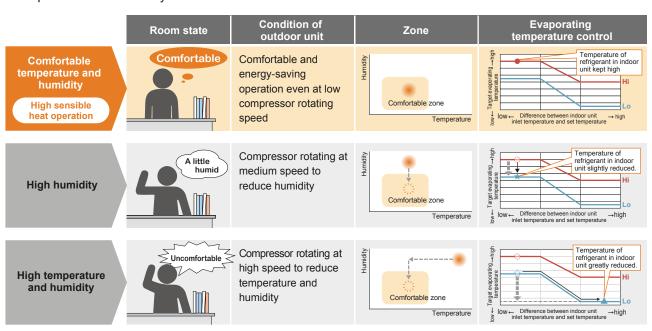
2 The control board judges the

the control board.

Humidity information is sent to

humidity information, and sends a HIGH/LOW signal to the outdoor unit through CN3S. The outdoor unit shifts the evaporating temperature depending on the information from the control board.

· Temperature and humidity conditions



Demand control

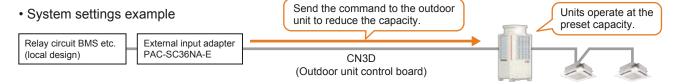


This function can reduce the capacity of the outdoor unit used by way of the external input to the outdoor unit. The used capacity of the outdoor unit can be reduced in steps, with patterns ranging from 2 to 12 control steps. The number of steps that can be set and the corresponding capacity are shown below.

- 2 steps (0-100%) 4 steps (0-50-75-100%) 8 steps (0-25-38-50-63-75-88-100%)
- 12 steps (0-17-25-34-42-50-59-67-75-84-92-100%)

Possible usage

When power consumption is centrally-controlled within a building, the system can be forced to operate in the capacity-save mode by receiving external signals.



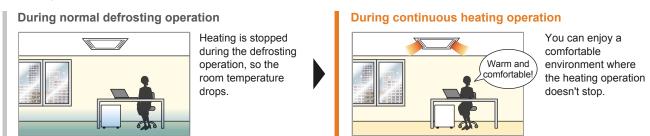
Continuous heating operation



Normally, it is necessary to stop the heating operation during defrosting. However, the continuous heating operation method makes it possible to perform defrosting while the heating operation continues.

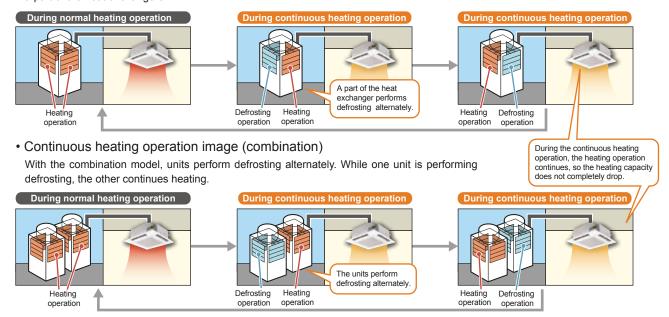
Reduction in the stoppage time of the heating operation prevents drops in room temperature.

Use a dip switch on the outdoor unit to switch between the continuous heating operation method and the conventional defrosting method.



Continuous heating operation image (single unit)

The heat exchanger of the outdoor unit is split into parts. Even when defrosting is necessary, the heating operation is continued with a part of the heat exchangers.

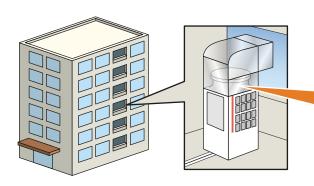


Selectable external static pressure of the outdoor unit



The static pressure specification of the outdoor unit can be selected (0, 30, 60, or 80 Pa). This facilitates installation of the unit on each floor of a high-rise building or on balconies.

* The static pressure that can be set varies depending on the model.



Long exhaust hoods can be connected. This facilitates installation of the unit on each floor of a high-rise building or on balconies.

Maximum external static pressure 80 Pa (local setting)

* PUHY-(E)P-Y(S)NW-A, PURY-(E)P-Y(S)NW-A

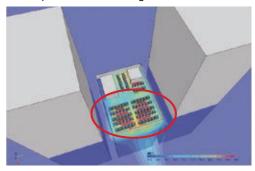
Operation at high outside temperatures



In certain cases, the passage of air is blocked in built-up areas, discharged warm air that is kept around the outdoor units may cause a temperature increase around the units. YNW has an expanded guaranteed operation range of up to 52°C [125°F] and can be used reliably even if the outdoor air temperature abnormally rises in hot summer daytime.

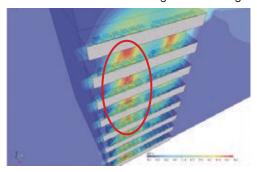
Example of flow analysis Conditions: Outdoor air temperature = 35°C (DB), Room temperature = 27°C (DB)





If the passage of air is blocked in a built-up area, the high-temperature air discharged from the outdoor units may be kept around the units.

Installation on each floor a high-rise building



When the outdoor units are installed on balconies, the high-temperature air discharged from the units may be kept in by upper balconies.

Models for use in outside temperature of up to 52°C







PUHY-(E)P-Y(S)NW-A PURY-(E)P-Y(S)NW-A

^{*} These images show the R2 standard type.

Rotation control



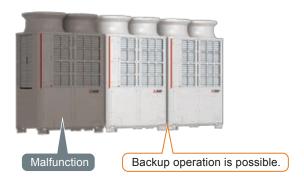
With the combination model, the outdoor units operate alternately. This reduces the operating load and leads to a longer service life.



Emergency operation mode



Emergency operation is possible with indoor unit's remote control. With the combination model, if one outdoor unit is malfunctioning, the other outdoor unit performs emergency operation.







An emergency operation can be performed easily with a local remote controller.

Pump down function



This function collects the refrigerant that remains in the indoor unit and in the outdoor unit's piping when the refrigerant piping needs to be removed, such as when the air conditioner is relocated.

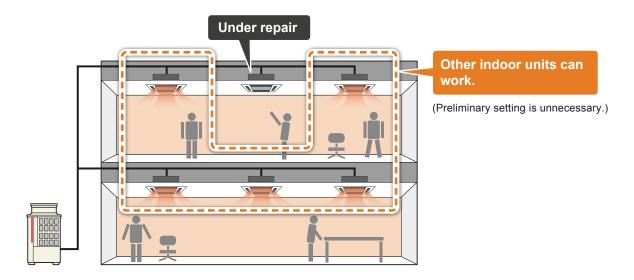
This function can also be used to stop the operation of the indoor unit and return the refrigerant to the outdoor unit in the event that a refrigerant leak is detected.

* To detect a refrigerant leak, a circuit that includes a refrigerant leak detection sensor must be designed and prepared on site.

Individual LEV control



Even if one of the indoor units stops for repair, LEV of the indoor unit can be closed, and the other indoor units remain functional. (Preliminary setting is unnecessary.)

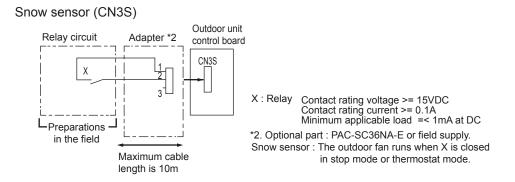


Snow sensor setting



When a snow buildup signal is received from the snow sensor (procured locally) or when the ambient temperature drops below 5°C (detected with TH7), the outdoor unit is forcibly switched to ventilation operation. This activates the outdoor unit's fan to prevent snow from building up on the unit.

Snow sensor setting example



FUNCTION TABLE

Mitsubishi Electric's outdoor units and heat source units utilize the latest technology and offer a wide variety of functions. See the preceding pages for details of each technology and function.

System		Air co	poled		Water	cooled
уре	Heat	pump	Heat re	ecovery	Heat pump	Heat recovery
Series	Y-Se Standard	eries High efficiency	R2-S Standard	eries High efficiency	WY-Series	WR2-Series
Model	PUHY-P Y(S)NW-A	PUHY-EP Y(S)NW-A	PURY-P Y(S)NW-A	PURY-EP Y(S)NW-A	PQHY-P Y(S)LM-A1	PQRY-P Y(S)LM-A1
Operation mode COP priority mode						
Low noise mode	50, 60, 70, 85, 100%	50, 100%	50, 100%			
System changeover (for heat pump)	•	•		·	•	
Auto mode			•	•		•
Dual set point	*	*	*	*	• *	• *
► Energy efficiency contr	ol					
Evaporating temperature control (Fixed temperature control)	+6°C, +9°C, +14°C	+6°C, +9°C, +14°C	+6°C, +9°C, +14°C	+6°C, +9°C, +14°C	+4°C, +9°C, +14°C	+6°C, +9°C +14°C
Evaporating temperature control (Automatic control shifting)	4 patterns	4 patterns	4 patterns	4 patterns	4 patterns	4 patterns
High sensible heat operation (during cooling)	•	•	•	•	•	•
Demand control	12 steps	12 steps	8 steps	8 steps	8 steps	8 steps
Continuous heating operation during defrost	•	•	•	•		
Selectable external static pressure of outdoor unit	0,30,60,80 Pa	0,30,60,80 Pa	0,30,60,80 Pa	0,30,60,80 Pa		
Operation at high outside temperatures	52°C	52°C	52°C	52°C		
Maintenance functions						
amtenance functions		1	T .			

Rotation control

Emergency operation mode Pump down function Individual LEV control Snow sensor setting

^{*}Should be supported by indoor unit and remote controller.

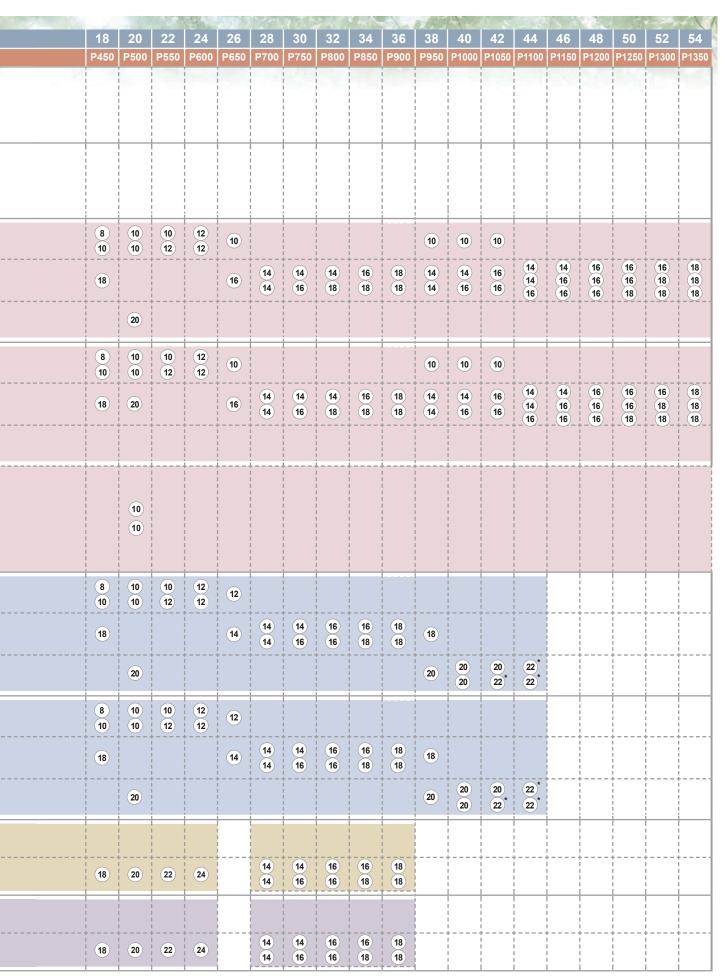


O utdoor Unit

- Heat Pump Series (S)
- Heat Pump Series (Y)
- Heat Pump Series High COP (Y)
- Heat Pump Series Zubadan
- Water Cooled Heat Pump Series (WY)
- Heat Recovery Series (R2)
- Heat Recovery Series High COP (R2)
- Water Cooled Heat Recovery Series (WR2)

Line up of Outdoor Units

	3-7		HP	e de	3.2	15-	5	6	0	10	12	14	16	
System	Type	Model name	Mode	el	3.2 P80	4.5 P112	5 P125	6 P140	8 P200	10 P250	12 P300	14 P350	16 P400	
		S series Page 26 - Page 29 PUMY-P VKM-A(-BS) PUMY-P YKM-A(-BS)	0			4.5	5	6						
		Page 30 - Page 33 PUMY-SP VKMD-A(-BS) PUMY-SP YKMD-A(-BS) PUMY-P YKMD-A(-BS)	0		3.2	4.5	5	6	8					
		PUHY-P YNW-A(-BS)	84 - Page 45	S					8	10	12		8	
	Heat Pump	PUHY-P YSNW-A(-BS)		L XL								14	16	
		PUHY-EP YNW-A(-BS)	46 - Page 57	S					8	10	12		8	
		PUHY-EP YSNW-A(-BS)		L XL								14	16	
Air Cooled		ZUBADAN series PUHY-HP YHM-A(-BS) PUHY-HP YSHM-A(-BS) (When sold with water module or AHU only.)	73 - Page 77	S					8	10			8	
		R2 series PURY-P YNW-A(-BS) PURY-P YSNW-A(-BS)	58 - Page 65 *1	S					8	10	12		8	
	Heat	NEW		L XL								14	16	
	Recovery	R2 series - High COP PURY-EP YNW-A(-BS) PURY-EP YSNW-A(-BS)	66 - Page 72	S					8	10	12		8	
		NEW NEW		L XL								14	16	
	Heat Pump	WY series Page 78 - Page 84 PQHY-P YLM-A		S					8	10	12	14	16	
Water Cooled	Heat	PQHY-P YSLM-A WR2 series Page 85 - Page 91		S					8	10	12			
	Recovery	PQRY-P YLM-A PQRY-P YSLM-A		L								14	16	



S-Series PUMY-P



S series | PUMY-P VKM PUMY-P YKM

Highly efficient fan and grille for outdoor unit

The shapes of the fan and grille of the outdoor unit have been redesigned, resulting in an increase in blowing capacity and more efficient heat exchange while maintaining the same operating noise level.

Outdoor unit fan opening increased

The diameter of the opening for the fan in the outdoor unit has been increased from 490 to 550mm. Blowing capacity has been increased while maintaining the same fan rotation speed.

Opening increased from 490 to 550mm in diameter

Grille shape changed

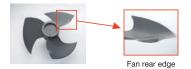
The shape of the air outlet grille has been changed to reduce pressure loss. This has helped to improve heat exchange performance.



PUMY-P V/YHMB PUMY-P V/Y

Inflexed fan

Adoption of a fan with improved ventilation characteristics and a newly designed rear edge that suppresses wind turbulence increases fan operation efficiency.



Highly efficient heat exchanger

A high density and increase in surface area have improved the heat-exchange efficiency of the heat exchanger.

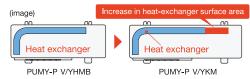
High-density heat exchanger

The pipe diameter has been changed from 9.52 to 7.94mm, resulting in a high-density heat exchanger.

Heat-exchange surface area increased

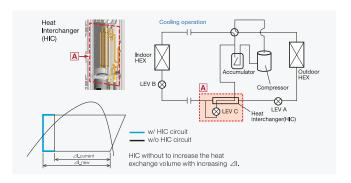
The heat exchanger size has been extended horizontally, increasing the surface area.

2 lines, 52 columns 2 lines, 64 columns



Heat Interchanger (HIC) added

An HIC circuit has been added to improve energy efficiency during cooling operation. Liquid refrigerant is rerouted, transformed into a gas state and injected back into the system to increase overall pressure of the refrigerant being sent to the compressor, thereby reducing the load on the compressor and raising efficiency.





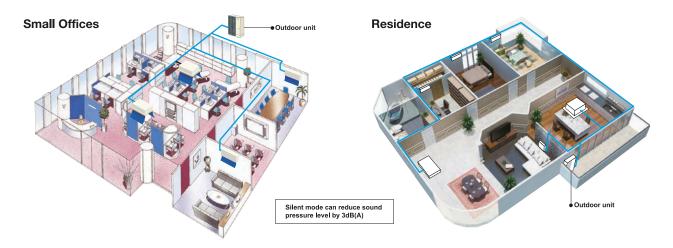




The two-pipe zoned system designed for Heat **Pump Operation**

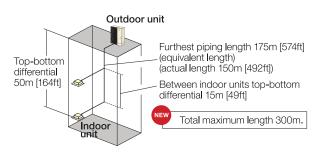
The CITY MULTI S series (for small applications) make use of a two-pipe refrigerant system, which allows for system changeover from cooling to heating, ensuring that a constant indoor climate is maintained in all zones. The compact outdoor unit utilises R410A refrigerant and an inverter-driven compressor for greater energy efficiency.

With a wide range of indoor units combined with a flexible piping system, the CITY MULTI series can be configured for all applications. Up to 12 (S series) indoor units can be connected with up to 130% connected capacity to maximise engineer's design options. This feature allows easy air conditioning in each area with convenient individual controllers.



[P112~140(V/YKM)]

[
Refrigerant Piping Lengths	Maximum meters [Feet]
Total length — Maximum allowable length — Farthest indoor from first branch — Farthest indoor from fir	300 [984] 150 (175 equivalent) [492(574)] 30 [98]
Vertical differentials between units	Maximum meters [Feet]
Indoor/outdoor (outdoor higher)	50 [164]
Indoor/outdoor (outdoor lower)	40 [131]
Indoor/indoor	15 [49]



OUTDOOR UNIT S Series PUMY-P VKM-A(-BS)



► Specifications

Model			PUMY-P112VKM-A (-BS)	PUMY-P125VKM-A (-BS)	PUMY-P140VKM-A (-BS)
Power source			1-phase 230V 50Hz	1-phase 230V 50Hz	1-phase 230V 50Hz
Cooling capacity	*1	kW	12.5	14.0	15.5
(Nominal)	*1	BTU / h	42.650	47,768	52,886
,	Power input	kW	2.79	3.46	4.52
	Current input	Α	12.32	15.27	19.95
	AEER/EER	kW / kW	4.13/4.48	3.76/4.05	3.22/3.43
Temp. range of	Indoor temp.	W.B.	15.0~24.0°C(59~75°F)	15.0~24.0°C(59~75°F)	15.0~24.0°C(59~75°F)
cooling	Outdoor temp.	D.B.	-5.0~46.0°C(23~115°F)	-5.0~46.0°C(23~115°F)	-5.0~46.0°C(23~115°F)
Heating capacity	*2		14.0	16.0	18.0
(Nominal)		BTU / h	47,800	54,592	61,400
(**************************************	Power input	kW	3.13	3.74	4.47
	Current input	A	13.82	16.51	19.73
	ACOP/COP	kW / kW	4.20/4.47	4.03/4.28	3.81/4.03
Temp. range of	Indoor temp.	D.B.	15.0~27.0°C(59~81°F)	15.0~27.0°C(59~81°F)	15.0~27.0°C(59~81°F)
heating	Outdoor temp.	W.B.	-20.0~15.0°C(-4~59°F)	-20.0~15.0°C(-4~59°F)	-20.0~15.0°C(-4~59°F)
Indoor unit	Total capacity	VV.D.	50~130 % of outdoor unit capacity	50~130 % of outdoor unit capacity	50~130 % of outdoor unit capacity
connectable	Model / Quantity		P15~P140/9	P15~P140/10	P15~P140/12
Sound pressure le					
(measured in ane		dB <a>	49/51	50/52	51/54
Refrigerant piping	Liquid pipe	mm (in.)	9.52(3/8) Flare	9.52(3/8) Flare	9.52(3/8) Flare
diameter	Gas pipe	mm (in.)	15.88(5/8) Flare	15.88(5/8) Flare	15.88(5/8) Flare
FAN	Type x Quantity		Propeller Fan x 2	Propeller Fan x 2	Propeller Fan x 2
	Air flow rate	m³/min	110	110	120
		L/s	1.833	1.833	2.000
		cfm	3,884	3,884	4,237
	Motor output	kW	0.06 + 0.06	0.06 + 0.06	0.06 + 0.06
Compressor	Type x Quantity		Scroll hermetic compressor x 1	Scroll hermetic compressor x 1	Scroll hermetic compressor x 1
	Starting method		Inverter	Inverter	Inverter
	Motor output	kW	3.0	3.5	4.0
External finish			Galvanized Steel Sheet Munsell No. 3Y 7.8/1.1	Galvanized Steel Sheet Munsell No. 3Y 7.8/1.1	Galvanized Steel Sheet Munsell No. 3Y 7.8/1.1
External dimensio	n HxWxD	mm	1,338 x 1,050 x 330 (+25)	1,338 x 1,050 x 330 (+25)	1,338 x 1,050 x 330 (+25)
		in.	52-11/16 x 41-11/32 x 13 (+1)	52-11/16 x 41-11/32 x 13 (+1)	52-11/16 x 41-11/32 x 13 (+1)
Protection	High pressure pr	otection	High pressure Switch	High pressure Switch	High pressure Switch
devices	Inverter circuit (CO	MP./FAN)	Overcurrent detection, Overheat detection (Heatsink thermistor)	Overcurrent detection, Overheat detection (Heatsink thermistor)	Overcurrent detection, Overheat detection (Heatsink thermistor)
	Compressor		Compressor thermistor, Over current detection	Compressor thermistor, Over current detection	Compressor thermistor, Over current detection
	Fan motor		Overheating, Voltage protection	Overheating, Voltage protection	Overheating, Voltage protection
Refrigerant	Type x original ch	narge	R410A 4.8kg	R410A 4.8kg	R410A 4.8kg
Net weight		kg (lbs)	123(272)	123(272)	123(272)
Heat exchanger			Plate fin coil	Plate fin coil	Plate fin coil
Defrosting method	i		Reversed refrigerant circuit	Reversed refrigerant circuit	Reversed refrigerant circuit
Optional parts			Joint: CMY-Y62-G-E	Joint: CMY-Y62-G-E	Joint: CMY-Y62-G-E
			Header: CMY-Y64/68-G-E	Header: CMY-Y64/68-G-E	Header: CMY-Y64/68-G-E

Notes:

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		Indoor	Outdoor	Pipe length	Level difference
	Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB(95°F DB)	7.5m (24-9/16ft.)	0m (0ft.)
	Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

^{*}Nominal condition *1,*2 are subject to ISO 15042.
*Due to continuing improvement, above specification may be subject to change without notice.



OUTDOOR UNIT S Series PUMY-P YKM-A(-BS)

► Specifications

Model			PUMY-P112YKM-A (-BS)	PUMY-P125YKM-A (-BS)	PUMY-P140YKM-A (-BS)
Power source			3-phase 400V 50Hz	3-phase 400V 50Hz	3-phase 400V 50Hz
			· ·	'	,
Cooling capacity	*1		12.5	14.0	15.5
(Nominal)	*1	2.07	42,658	47,768	52,886
	Power input	kW	2.79	3.46	4.52
	Current input	Α	4.24	5.26	6.87
	AEER/EER	kW / kW	4.07/4.48	3.71/4.05	3.19/3.43
Temp. range of	Indoor temp.	W.B.	15.0~24.0°C(59~75°F)	15.0~24.0°C(59~75°F)	15.0~24.0°C(59~75°F)
cooling	Outdoor temp.	D.B.	-5.0~46.0°C(23~115°F)	-5.0~46.0°C(23~115°F)	-5.0~46.0°C(23~115°F)
Heating capacity	*2		14.0	16.0	18.0
(Nominal)		BTU / h	47,768	54,592	61,416
	Power input	kW	3.13	3.74	4.47
	Current input	Α	4.76	5.68	6.79
	ACOP/COP	kW / kW	4.14/4.47	3.99/4.28	3.78/4.03
Temp. range of	Indoor temp.	D.B.	15.0~27.0°C(59~81°F)	15.0~27.0°C(59~81°F)	15.0~27.0°C(59~81°F)
heating	Outdoor temp.	W.B.	-20.0~15.0°C(-4~59°F)	-20.0~15.0°C(-4~59°F)	-20.0~15.0°C(-4~59°F)
Indoor unit	Total capacity		50~130 % of outdoor unit capacity	50~130 % of outdoor unit capacity	50~130 % of outdoor unit capacity
connectable	Model / Quantity		P15~P140/9	P15~P140/10	P15~P140/12
Sound pressure le (measured in anec		dB <a>	49/51	50/52	51/54
Refrigerant piping		mm (in.)	9.52(3/8) Flare	9.52(3/8) Flare	9.52(3/8) Flare
diameter	Gas pipe	mm (in.)	15.88(5/8) Flare	15.88(5/8) Flare	15.88(5/8) Flare
FAN	Type x Quantity		Propeller Fan x 2	Propeller Fan x 2	Propeller Fan x 2
	Air flow rate	m³/min	110	110	120
		L/s	1,833	1,833	2.000
		cfm	3.884	3.884	4.237
	Motor output	kW	0.06 + 0.06	0.06 + 0.06	0.06 + 0.06
Compressor	Type x Quantity		Scroll hermetic compressor x 1	Scroll hermetic compressor x 1	Scroll hermetic compressor x 1
	Starting method		Inverter	Inverter	Inverter
	Motor output	kW	3.0	3.5	4.0
External finish			Galvanized Steel Sheet Munsell No. 3Y 7.8/1.1	Galvanized Steel Sheet Munsell No. 3Y 7.8/1.1	Galvanized Steel Sheet Munsell No. 3Y 7.8/1.1
External dimension	n HxWxD	mm	1,338 x 1,050 x 330 (+25)	1,338 x 1,050 x 330 (+25)	1,338 x 1,050 x 330 (+25)
		in.	52-11/16 x 41-11/32 x 13 (+1)	52-11/16 x 41-11/32 x 13 (+1)	52-11/16 x 41-11/32 x 13 (+1)
Protection	High pressure pro	otection	High pressure Switch	High pressure Switch	High pressure Switch
devices	Inverter circuit (CO	MP./FAN)	Overcurrent detection, Overheat detection (Heatsink thermistor)	Overcurrent detection, Overheat detection (Heatsink thermistor)	Overcurrent detection, Overheat detection (Heatsink thermistor)
	Compressor		Compressor thermistor, Over current detection	Compressor thermistor, Over current detection	Compressor thermistor, Over current detection
	Fan motor		Overheating, Voltage protection	Overheating, Voltage protection	Overheating, Voltage protection
Refrigerant	Type x original ch	narge	R410A 4.8kg	R410A 4.8kg	R410A 4.8kg
Net weight	· · · · · · · ·	kg (lbs)	125(276)	125(276)	125(276)
Heat exchanger			Plate fin coil	Plate fin coil	Plate fin coil
Defrosting method	1		Reversed refrigerant circuit	Reversed refrigerant circuit	Reversed refrigerant circuit
Optional parts			Joint: CMY-Y62-G-E	Joint: CMY-Y62-G-E	Joint: CMY-Y62-G-E
			Header: CMY-Y64/68-G-E	Header: CMY-Y64/68-G-E	Header: CMY-Y64/68-G-E

Notes:

٠,	, 2 Normal conditions								
		Indoor	Outdoor	Pipe length	Level difference				
	Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB(95°F DB)	7.5m (24-9/16ft.)	0m (0ft.)				
Heating		20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)				

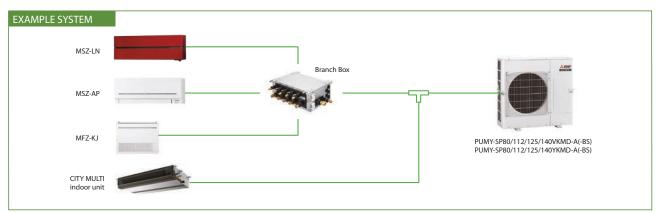
^{*}Nominal condition *1,*2 are subject to ISO 15042.
*Due to continuing improvement, above specification may be subject to change without notice.

PUMY-SP SERIES

Air conditioning system supports replacement work by simplifying the installation process. Ideal for supporting renewal needs at small offices and stores, home offices, etc.



PUMY-SP80/112/125/140VKMD-A(-BS) PUMY-SP80/112/125/140YKMD-A(-BS)



Light weight and compact size

Compact design fits into narrow outdoor unit space of condominiums and offices. Light weight design facilitates easy installation and transportation.



Unobstructive, compact, and easy to hide from view Conventional 2-fan type outdoor units may spoil the view. Due to its compact size, the new outdoor fan unit can be installed in locations that would have been inappropriate.



Easy installation and transportation

An external static pressure of 30Pa

The installation location is flexible.

thanks to its 30Pa static pressure. You

can install it in locations that you could

The reduced weight and height allow for better transportation performance. Carrying and installing become easier.

not before.



An external static pressure

of 30Pa allows outdoor unit

to be installed on balconies

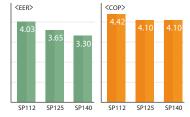
in high-rise building or

spaces near louvers.

Industry's top energy efficiency*

Even with its compact size and light weight, it has a high EER and COP. Costs are reduced with the industry's best energy saving abilities.

* As of sep.2017.Among VRF outdoor unit of 1fan. (An incompany investigation)



Super silent mode*

Noise level can be reduced up to 10dB(A). This allows you to operate the unit even in the night in a residential zone.

*Capacity reduction differs by mode setting.

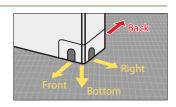
*PAC-SC36NA-E is required to activate Super Silent mode.

Rear piping is available

Freedom with layout due to its piping pullout locations in four directions

The in-door unit allows piping from any four directions; front, back, bottom, or right. This enables easier horizontal connection for collective layout.

The out-door unit with an expanded piping layout flexibility greatly improves piping workability.



]Noise level will increase

using this function.



30

OUTDOOR UNIT S Series **PUMY-SP VKMD-A(-BS)**



► Specifications

Model					PUMY-SP80VKMD-A (-BS)	PUMY-SP112VKMD-A (-BS)	PUMY-SP125VKMD-A (-BS)	PUMY-SP140VKMD-A (-BS)
Power source					1-phase 220-230-240 V, 50 Hz			
Cooling capacity *1		kW	9.0	12.5	14.0	15.5		
(Nominal)	*1			BTU / h	7,700	42,650	47,768	52,886
	Power input	•		kW	2.11	3.10	3.84	4.38
	Current input			Α	9.36	14.38	17.81	20.32
	EER			kW / kW	4.27	4.03	3.84	4.38
Temp. range of	Indoor temp.			W.B.	15.0~24.0°C(59~75°F)	15.0~24.0°C(59~75°F)	15.0~24.0°C(59~75°F)	15.0~24.0°C(59~75°F)
cooling	Outdoor temp. *3	*4		D.B.	-5.0~52.0°C(23~126°F)	-5.0~52.0°C(23~126°F)	-5.0~52.0°C(23~126°F)	-5.0~52.0°C(23~126°F)
Heating capacity *2		kW	10.0	14.0	16.0	16.5		
(Nominal)	*2			BTU / h	8,600	47,768	54,592	56,298
	Power input			kW	2.27	3.17	3.9	4.02
	Current input			Α	10.07	14.70	18.09	18.65
	COP			kW / kW	4.41	4.42	4.10	4.10
Temp. range of	Indoor temp.			D.B.	15.0~27.0°C(59~81°F)	15.0~27.0°C(59~81°F)	15.0~27.0°C(59~81°F)	15.0~27.0°C(59~81°F)
heating	Outdoor temp.			W.B.	-20.0~15.0°C(-4~59°F)	-20.0~15.0°C(-4~59°F)	-20.0~15.0°C(-4~59°F)	-20.0~15.0°C(-4~59°F)
Indoor unit	Total capacity				50~130 % of outdoor unit			
connectable					capacity	capacity	capacity	capacity
		City	Multi		P10~P100/9	P15~P140/9	P15~P140/10	P15~P140/12
		Brand	ch Box		P22~P80/5	P15~P100/8	P15~P100/8	P15~P100/8
			Branch	City Multi	P10~P100	P15~P140/5	P15~P140/5	P15~P140/5
	Model / Quantity	Mixed	box 1 unit*6	Branch Box	P22~P100	P15~P100/5	P15~P100/5	P15~P100/5
		System	Branch box 2	City Multi	P10~P100	P15~P140/3 or 2 *5	P15~P140/3	P15~P140/3
			units*6	Branch Box	P22~P100	P15~P100/7 or 8 *5	P15~P100/8	P15~P100/8
Sound pressure le (measured in ane				dB <a>	51/54	52/54	53/56	54/56
Refrigerant piping	Liquid pipe			mm (in.)	9.52(3/8) Flare	9.52(3/8) Flare	9.52(3/8) Flare	9.52(3/8) Flare
diameter	Gas pipe			mm (in.)	15.88 (5/8) Flare	15.88 (5/8) Flare	15.88 (5/8) Flare	15.88 (5/8) Flare
FAN	Type x Quantity			Propeller Fan x 1	Propeller Fan x 1	Propeller Fan x 1	Propeller Fan x 1	
	Air flow rate			m³/min	75	77	83	83
				L/s	1,250	1,283	1,383	1,383
				cfm	2,649	2,719	2,931	2,931
	Motor output			kW	0.20	0.20	0.20	0.20
Compressor	Type x Quantity				Twin rotary hermetic compressor x 1			
	Starting method				Inverter	Inverter	Inverter	Inverter
	Motor output			kW	2.1	3.1	3.5	3.7
External finish					Galvanized Steel Sheet Munsell No. 3Y 7.8/1.1			
External dimension	n HxWxD			mm	981 x 1,050 x 330 (+25)			
				in.	38-5/8 x 41-11/32 x 13 (+1)			
Protection	High pressure pro	otection			High pressure Switch	High pressure Switch	High pressure Switch	High pressure Switch
devices	Inverter circuit (CO	MP./FAN)			Overcurrent detection, Overheat detection (Heatsink thermistor)			
	Compressor				Compressor thermistor, Over current detection			
	Fan motor				Overheating, Voltage protection	Overheating, Voltage protection	Overheating, Voltage protection	Overheating, Voltage protection
Refrigerant	Type x original ch	narge			R410A 3.5kg	R410A 3.5kg	R410A 3.5kg	R410A 3.5kg
Net weight				kg (lbs)	94(207)	94(207)	94(207)	94(207)
Heat exchanger				5 (/	Cross Fin and Copper Tube			
Defrosting method	t			1			Reversed refrigerant circuit	
Optional parts					Joint: CMY-Y62-G-E Header: CMY-Y64/68-G-E	Joint: CMY-Y62-G-E Header: CMY-Y64/68-G-E	Joint: CMY-Y62-G-E Header: CMY-Y64/68-G-E	Joint: CMY-Y62-G-E Header: CMY-Y64/68-G-E
					Branch box: PAC- MK33/53BC	Branch box: PAC- MK33/53BC	Branch box: PAC- MK33/53BC	Branch box: PAC- MK33/53BC

Notes:

٠,	, 2 Normal conditions								
		Indoor	Outdoor	Pipe length	Level difference				
	Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB(95°F DB)	7.5m (24-9/16ft.)	0m (0ft.)				
Heating		20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)				

*Nominal condition *1,*2 are subject to ISO 15042.





^{*}Due to continuing improvement, above specification may be subject to change without notice.

*3 10 to 52°C(D.B.): When connecting following models such as PKFY-P15/20/25VBM, PFFY-P20/25/32VLE(R)M, PFFY-P20/25/32VKM, and M-series, S-series and P-series type indoor unit with branch box, M-series type indoor unit with connection kit.

4. 15toS2*C(D.B): When using and optional air protect guide [PAC-SH95AG-E]. However, this condition does not apply to the indoor unit site in *3.

5. When connecting 7 indoor units via branch box, connectable city multi indoor units are 3; connecting 8 indoor units via branch box, connectable citymulti indoor units are 2.

6. At least two indoor units must be connected when using branch box.

7. It is possible to set the external static pressure to 30 Pa by Dip Switch.

OUTDOOR UNIT S Series **PUMY-SP YKMD-A(-BS)**





► Specifications

Model					PUMY-SP80YKMD-A (-BS)	PUMY-SP112YKMD-A (-BS)	PUMY-SP125YKMD-A (-BS)	PUMY-SP140YKMD-A (-BS)	PUMY-P200YKMD-A (-BS)					
Power source					3-phase 380-400-415 V, 50 Hz			3-phase 380-400-415 V, 50 Hz	3-phase 380-400-415 V, 50 Hz					
Cooling capacity	*1			kW	9.0	12.5	14.0	15.5	22.4					
(Nominal)	*1			BTU / h	7,700	42,650	47,768	52,886	76,400					
	Power inp			kW	2.11	3.10	3.84	4.38	6.22					
	Current in	put		A	9.36	4.96	6.14	7.00	10.16					
Tama sansa	EER			kW / kW	4.27	4.03	3.65	3.54	3.60					
Temp. range of cooling	Indoor ten Outdoor te		4	W.B. D.B.	15.0~24.0°C(59~75°F) -5.0~52.0°C(23~126°F)	15.0~24.0°C(59~75°F) -5.0~52.0°C(23~126°F)	15.0~24.0°C(59~75°F) -5.0~52.0°C(23~126°F)	15.0~24.0°C(59~75°F) -5.0~52.0°C(23~126°F)	15.0~24.0°C(59~75°F) -5.0~52.0°C(23~126°F)					
Heating	*2	inp. 5	<u>- </u>	kW	10.0	14.0	16.0	16.5	25.0					
capacity (Nominal)	*2			BTU / h	8,600	47,768	54,592	56,298	85,300					
(NOITHITIAL)	Power inp	ut		kW	2.27	3.17	3.90	4.02	6.0					
	Current in			A	10.07	5.07	6.24	6.43	9.80					
	COP	put		kW / kW	4.41	4.42	4.10	4.10	4.17					
Temp. range	Indoor ten	מר.		D.B.	15.0~27.0°C(59~81°F)	15.0~27.0°C(59~81°F)	15.0~27.0°C(59~81°F)	15.0~27.0°C(59~81°F)	15.0~27.0°C(59~81°F)					
of heating	Outdoor te			W.B.	-20.0~15.0°C(-4~59°F)	-20.0~15.0°C(-4~59°F)	-20.0~15.0°C(-4~59°F)	-20.0~15.0°C(-4~59°F)	-20.0~15.0°C(-4~59°F)					
<u></u>	Total capa				50~130 % of outdoor unit capacity									
			City Mul	ti	P10~P100/9	P15~P140/9	P15~P140/10	P15~P140/12	P15~P200/12					
		E	Branch B		P22~P80/5	P15~P100/8	P15~P100/8	P15~P100/8	P22~P100/8					
Indoor unit			Branch box 1	City Multi	P10~P100	P15~P140/5	P15~P140/5	P15~P140/5	P15~P200/5					
connectable	Model / Quantity	Mixed	unit *6	Branch Box	P22~P100	P15~P100/5	P15~P100/5	P15~P100/5	P22~P100/5					
							System	Branch box 2	City Multi	P10~P100	P15~P140/3 or 2 *5	P15~P140/3	P15~P140/3	P15~P200/3
			units *6	Branch Box	P22~P100	P15~P100/7 or 8 *5	P15~P100/8	P15~P100/8	P22~P100/8					
Sound pressur (measured in a	anechoic ro			dB <a>	51/54	52/54	53/56	54/56	57/61					
Refrigerant piping	Liquid pipe	•		mm (in.)	9.52(3/8) Flare	9.52(3/8) Flare	9.52(3/8) Flare	9.52(3/8) Flare	9.52(3/8) Flare *8					
diameter	Gas pipe			mm (in.)	15.88(5/8) Flare	15.88(5/8) Flare	15.88(5/8) Flare	15.88(5/8) Flare	19.05(3/4) Flare					
FAN	Type x Qu				Propeller Fan x 1	Propeller Fan x 2								
	Air flow rate Motor output		m³/min	75	77	83	83	134						
			L/s	1,250	1,283	1,383	1,383	2,233						
			cfm kW	2,649 0.20	2,719 0.20	2,931 0.20	2,931 0.20	4,732 0.20 + 0.20						
Compressor	Type x Quantity			KVV	Twin rotary hermetic compressor x1	Scroll hermetic compressor x1								
	Starting m	ethod			Inverter	Inverter	Inverter	Inverter	Inverter					
	Motor out			kW	2.1	3.1	3.5	3.7	5.3					
External finish					Galvanized Steel Sheet Munsell No. 3Y 7.8/1.1									
External dimer	nsion HxW	кD		mm	981 x 1,050 x 330 (+25)	1,338 x 1,050 x 330 (+25)								
				in.	38-5/8 x 41-11/32 x 13 (+1)	38-5/8 x 41-11/32 x 13 (+1)	38-5/8 x 41-11/32 x 13 (+1)	38-5/8 x 41-11/32 x 13 (+1)	52-11/16 x 41-11/32 x 13 (+1)					
Protection	High press	sure prot	ection		High pressure Switch									
devices	Inverter circ				Overcurrent detection,	Overcurrent detection,	Overcurrent detection,	Overcurrent detection,	Overcurrent detection.					
			,		Overheat detection									
					(Heatsink thermistor)									
	Compress	or			Compressor thermistor,									
	_				Over current detection									
	Fan motor				Overheating, Voltage									
Refrigerant	Type x orig	ginal cha	rae		protection R410A 3.5kg	protection R410A 3.5kg	protection R410A 3.5kg	R410A 3.5kg	protection R410A 7.3kg					
Net weight	. JPC A OII	giriui Cira	. gc	kg (lbs)	94(207)	94(207)	94(207)	94(207)	139(306)					
Heat exchange	er				Cross Fin and Copper Tube	Cross Fin and Copper Tube								
Defrosting me	thod				Reversed refrigerant circuit									
Optional parts					Joint: CMY-Y62-G-E									
Optional parts					Header: CMY-Y64/68- G-E									
					Branch box: PAC- MK33/53BC									

Notes:

^{*1,*2} Nominal conditions

,	, 2 Nominal Conditions								
		Indoor	Outdoor	Pipe length	Level difference				
	Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB(95°F DB)	7.5m (24-9/16ft.)	0m (0ft.)				
	Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)				

*Nominal condition *1.*2 are subject to ISO 15042.

^{*8} Liquid pipe diameter is 12.7mm when further piping length is longer than 60m, or the farthest length of main pipe between outdoor unit and branch box is longer than 20m in branch box system.



^{**}Out to continuing improvement, above specification may be subject to change without notice.

**3 10 to 52°C(D.B.): When connecting following models such as PKFY-P15/20/25VBM, PFFY-P20/25/32VLE(R)M, PFFY-P20/25/32VKM, and M-series, S-series and P-series

type indoor unit with branch box, M- series type indoor unit with connection kit.

*4 -15 to 52°C(D.B.): When using and optional air protect guide [PAC-SH95AG-E]. However, this condition does not apply to the indoor unit listed in *3. (Excluding PUMY-P200YKMD-A)

*5 When connecting 7 indoor units via branch box, connectable city multi indoor units are 3; connecting 8 indoor units via branch box, connectable citymulti indoor units are 2.*4 -15 to 52°C(D.B.): When using and optional air protect guide [PAC-SH95AG-E]. However, this condition does not apply to the indoor units via branch box, connectable citymulti indoor units are 2.*4 -15 to 52°C(D.B.): When using and optional air protect guide [PAC-SH95AG-E]. However, this condition does not apply to the indoor unit size of units via branch box, connectable citymulti indoor units are 2.*4 -15 to 52°C(D.B.): When using and optional air protect guide [PAC-SH95AG-E]. However, this condition does not apply to the indoor unit size of units via branch box, connectable citymulti indoor units are 2.*4 -15 to 52°C(D.B.):

 ^{*6} At least two indoor units must be connected when using branch box.
 *7 It is possible to set the external static pressure to 30 Pa by Dip Switch.

BC Controller **S** Series

PAC-MK53BC PAC-MK53BCB PAC-MK33BC PAC-MK33BCB

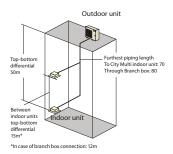
► Specifications

Type					Branc	h Box			
Model Name				PAC-MK53BC	PAC-MK33BC	PAC-MK53BCB	PAC-MK33BCB		
Connectable	Number of Indoor U	nits		Max. 5	Max. 3	Max. 5	Max. 3		
Power	Source				Outdoor power supply, Branch Box	/ Outdoor separate power supply			
Supply	Outdoor (V/Phase/Hz)				1-phase, 220 - 2	30 - 240V, 50Hz			
Total Input			kW		0.003				
Operating C	urrent		A	0.05					
Dimensions		$H \times W \times D$	mm	170 - 450 - 280					
Weight			kg	7.4	6.7	7.0	6.5		
Piping	Branch r] [Indoor Side]	Liquid	mm	6.35 × 5	6.35 × 3	6.35 × 5	6.35 × 3		
[diameter]		Gas	mm	9.52 × 4, 12.7 × 1	9.52 × 3	9.52 × 4, 12.7 × 1	9.52 × 3		
	Main	Liquid	mm		9.5	52			
	[Outdoor Side]	Gas	mm		15.88				
	Connection Method			Flared Brazed					
Wiring	to Indoor Unit			·	3-wire + E	arth wire			
	to Outdoor Unit				3-wire + E	arth wire			

PUMY-SP80/112/125/140V(Y)KMD-A

Refrigerant Piping Lengths	Maximum meters
Total length	120
Maximum allowable length	······To City Multi indoor
	unit: 70
	Through Branch box: 8

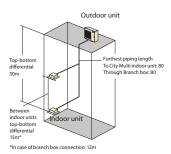
Vertical differentials between units	Maximum meters
Indoor/outdoor (outdoor higher)	50
Indoor/outdoor (outdoor lower)	30
Indoor/indoor ·····	15*



PUMY-P200YKMD-A

Refrigerant Piping Lengths	Maximum meters		
Total length	150		
Maximum allowable length	······To City Multi indoor		
	unit: 80		
	Through Branch box: 80		

Vertical differentials between units	Maximum meters
Indoor/outdoor (outdoor higher)	50
Indoor/outdoor (outdoor lower)	40
Indoor/indoor	15*



Y (Heat Pump) series



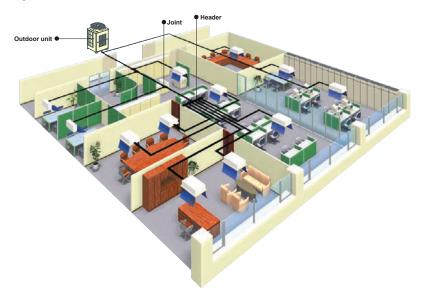
Heating or Cooling

PUHY-P YNW-A(-BS) Y series -PUHY-P YSNW-A(-BS) PUHY-EP YNW-A(-BS) PUHY-EP YSNW-A(-BS)

The two-pipe zoned system designed for Heat **Pump Operation**

The CITY MULTI Y series (for large applications) make use of a two-pipe refrigerant system, which allows for system changeover from cooling to heating, ensuring that a constant indoor climate is maintained in all zones. The compact outdoor unit utilises R410A refrigerant and an inverter-driven compressor to use energy effectively. With a wide line-up of indoor units in connection with a flexible piping system, the CITY MULTI series can be configured for all applications. Up to 50 (Y series) indoor units can be connected with up to 130% connected capacity to maximise engineer's design options. This feature allows easy air conditioning in each area with convenient individual controllers.

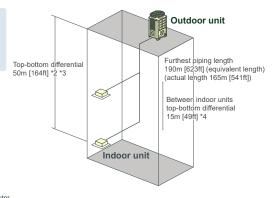
Large Offices (Y series)



[Feet]

System Pipe Lengths [P200-P1350 (Y Series)]

Refrigerant Piping Lengths	Maximum meters [Feet]	Vertical differentials between units	Maximum meters
Total length · · · · · · · · · · · · · · · · · · ·	1,000 [3,280]	Indoor/outdoor (outdoor higher) · · · ·	50 [164]*2
Maximum allowable length · · · · · · · ·	· 165 (190 equivalent)	Indoor/outdoor (outdoor lower) · · · ·	40 [131]*3
	[541(623)]	Indoor/indoor	. 15 [49]*4
Farthest indoor from first branch····	40 [131]*1		



- *1 90m [295ft] is available. When the piping length exceeds 40m [131ft], use one size larger liquid pipe starting with the section of piping where 40m [131ft] is exceeded and all piping after that point.
 *2 90m [295ft] is available depending on the model and installation conditions. For more detailed information, contact your local distributor.
- *3 60m [196ft] is available depending on the model and installation conditions. For more detailed information, contact your local distributor.

 *4 30m [98ft] is available. If the height difference between indoor units exceeds 15m [49ft] (but does not exceed 30m [98ft]), use one size larger pipes for indoor unit liquid pipes



OUTDOOR UNIT Y Series

PUHY-P YNW-A(-BS)



Specifications

Model			PUHY-P200YNW-A (-BS)	PUHY-P250YNW-A (-BS)	PUHY-P300YNW-A (-BS)	PUHY-P350YNW-A (-BS)
Power source				3-phase 4-wire 380-400-415 V 50/60 Hz		
Cooling capacity	*1	kW	22.4	28.0	33.5	40.0
(Nominal)		BTU/h	76.400	95.500	114.300	136,500
()	Power input	kW	5.61	7.25	9.35	10.86
	EER	kW/kW	3.99	3.86	3.58	3.68
	EER (ErP)*	kW/kW	5.28	4.84	4.37	4.05
Temp. range of	Indoor	W.B.	15.0~24.0 °C (59~75 °F)			
cooling	Outdoor	D.B.	-5.0~52.0 °C (23~126 °F)			
Heating capacity	*2		25.0	31.5	37.5	45.0
(Max)	2	BTU/h	85,300	107,500	128,000	153,500
(IVIAX)	Power input	kW	5.59	7.35	9.10	11.30
	COP	kW/kW	4.47	4.28	4.12	3.98
			5.45	5.21	4.77	4.28
(Nomina	COP (ErP)*	kW/kW kW	22.4	28.0	33.5	4.20
(Nomina	11)					
		BTU/h	76,400	95,500	114,300	136,500
	Power input	kW	3.95	5.20	6.70	8.51
	COP	kW/kW	5.67	5.38	5.00	4.70
Temp. range of	Indoor	D.B.	15.0~27.0 °C (59~81 °F)			
heating	Outdoor	W.B.	-20.0~15.5 °C (-4~60 °F)			
Indoor unit	Total capacity		50~130% of outdoor unit capacity			
connectable	Model / Quantity		P15~P250/1~17	P15~P250/1~21	P15~P250/1~26	P15~P250/1~30
Sound pressure le						
(measured in ane		dB <a>	58.0 / 59.0	60.0 / 61.0	61.0 / 64.5	62.0 / 64.0
Sound power leve						
(measured in ane		dB <a>	75.0 / 78.0	78.0 / 80.0	80.0 / 83.5	80.5 / 83.0
Refrigerant piping	011010100111			9.52 (3/8) Brazed (12.7 (1/2)	9.52 (3/8) Brazed (12.7 (1/2)	
diameter	Liquid pipe	mm (in.)	9.52 (3/8) Brazed	Brazed, farthest length >= 90 m)		12.7 (1/2) Brazed
diameter	-	, ,	20 0 (7/0) 5			00.50 (4.4(0).0
	Gas pipe	mm (in.)	22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed
FAN	Type x Quantity	1 2	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 2
	Air flow rate	m³/min	170	185	240	270
		L/s	2,833	3,083	4,000	4,500
		cfm	6,003	6,532	8,474	9,534
	Control, Driving m		Inverter-control, Direct-driven by motor			
	Motor output	kW	0.92 x 1	0.92 x 1	0.92 x 1	0.46 x 2
*5	External static pr	ess.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH₂O)	0 Pa (0 mmH₂O)
Compressor	Туре		Inverter scroll hermetic compressor			
	Starting method		Inverter	Inverter	Inverter	Inverter
	Motor output	kW	5.6	7.0	7.9	9.8
	Case heater	kW	-	-	-	-
External finish	,		Pre-coated galvanized steel sheets			
			(+powder coating for -BS type)			
			<munsell 1="" 5y="" 8="" or="" similar=""></munsell>			
External dimension	n HvM/vD	1	1,858 (1,798 without legs) x			
LAternal dimensio	III I IAVVAD	mm	920 x 740	920 x 740	920 x 740	1,240 x 740
			73-3/16 (70-13/16 without legs) x			
		in.	36-1/4 x 29-3/16	36-1/4 x 29-3/16	36-1/4 x 29-3/16	48-7/8 x 29-3/16
D:	Tre i					
Protection	High pressure pr	otection	High pressure sensor, High pressure			
devices			switch at 4.15 MPa (601 psi)			
	Inverter circuit (CC	MP./FAN)	Over-heat protection,	Over-heat protection,	Over-heat protection,	Over-heat protection,
			Over-current protection	Over-current protection	Over-current protection	Over-current protection
	Compressor		-	-	-	-
	Fan motor		-	-	-	-
Refrigerant	Type x original cl	narge	R410A x 6.5 kg (15 lbs)	R410A x 6.5 kg (15 lbs)	R410A x 6.5 kg (15 lbs)	R410A x 9.8 kg (22 lbs)
Net weight		kg (lbs)	225 (497)	225 (497)	228 (503)	278 (613)
Heat exchanger			Salt-resistant cross fin & copper			
			tube	tube	tube	tube
Optional parts			Header: CMY-Y104/108/1010-G	Header: CMY-Y104/108/1010-G	Header: CMY-Y104/108/1010-G	Header: CMY-Y104/108/1010-G
			1	I .	1	1

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2) + ErP Lot 21/6 calculation method to EN14825

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB	35°C DB/24°C WB	7.5m (24-9/16ft.)	0m (0ft.)
	(81°F DB/66°F WB)	(95°F DB/75°F WB)		<u> </u>
Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

^{*3} Nominal heating conditions (subject to JIS B8615-2)
Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O).
Consult your dealer about the specification when setting External static pressure option.

*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT Y Series

PUHY-P YNW-A(-BS)



Specifications

Temp. range of cooling D Heating capacity (Max)	*1 Power input EER EER (ErP)* ndoor Outdoor *2	kW BTU/h kW kW/kW kW/kW	PUHY-P400YNW-A (-BS) 3-phase 4-wire 380-400-415 V 50/60 Hz 45.0 153,500 12.93 3.48	PUHY-P450YNW-A (-BS) 3-phase 4-wire 380-400-415 V 50/60 Hz 50.0 170,600	PUHY-P500YNW-A (-BS) 3-phase 4-wire 380-400-415 V 50/60 Hz 56.0 191.100
Cooling capacity (Nominal) P E E Temp. range of cooling Heating capacity (Max) P C C	Power input EER EER (ErP)* Indoor Dutdoor	BTU/h kW kW/kW kW/kW	45.0 153,500 12.93	50.0 170,600	56.0
(Nominal) P E E Temp. range of cooling O Heating capacity (Max) P C C C	EER EER (ErP)* ndoor Outdoor	BTU/h kW kW/kW kW/kW	153,500 12.93	170,600	
Temp. range of cooling	EER EER (ErP)* ndoor Outdoor	kW kW/kW kW/kW	12.93	-,	
Temp. range of cooling O Heating capacity (Max) P C C C C C	EER EER (ErP)* ndoor Outdoor	kW/kW kW/kW		14.74	16.00
Temp. range of cooling O Heating capacity (Max) P C C C C C C	EER (ErP)* ndoor Outdoor	kW/kW	3.48	3.39	3.50
Temp. range of cooling O Heating capacity (Max) P C C C	ndoor Outdoor		3.92	4.09	4.47
Cooling O Heating capacity (Max) P C C	Outdoor		15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)
Heating capacity (Max) P C		D.B.	-5.0~52.0 °C (23~126 °F)	-5.0~52.0 °C (23~126 °F)	-5.0~52.0 °C (23~126 °F)
(Max)	2	kW	50.0	56.0	63.0
P C C		BTU/h	170,600	191,100	215,000
C	Power input		13.69	16.32	16.11
C		kW/kW	3.65	3.43	3.91
					4.31
		kW/kW	3.73 45.0	4.17 50.0	56.0
(Nominal)		kW			
		BTU/h	153,500	170,600	191,100
	-	kW	10.15	10.89	11.53
<u>C</u>	COP	kW/kW	4.43	4.59	4.85
Temp. range of In	ndoor	D.B.	15.0~27.0 °C (59~81 °F)	15.0~27.0 °C (59~81 °F)	15.0~27.0 °C (59~81 °F)
	Outdoor	W.B.	-20.0~15.5 °C (-4~60 °F)	-20.0~15.5 °C (-4~60 °F)	-20.0~15.5 °C (-4~60 °F)
	otal capacity	VV.D.	50~130% of outdoor unit capacity	50~130% of outdoor unit capacity	50~130% of outdoor unit capacity
			P15~P250/1~34	P15~P250/1~39	P15~P250/1~43
Sound pressure leve	connectable Model / Quantity		P15~P250/1~34	P15~P250/1~39	P15~P250/1~43
(measured in anechoic room) *4 dB <a>		65.0 / 67.0	65.5 / 69.5	63.5 / 66.5	
Sound power level (measured in anechoic room) *4 dB <a>		82.5 / 86.0	83.5 / 88.5	82.0 / 85.5	
Refrigerant piping Li	iquid pipe	mm (in.)	12.7 (1/2) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed
diameter G	Gas pipe	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed
	Type x Quantity		Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
A	Air flow rate	m³/min	300	305	365
		L/s	5,000	5,083	6,083
		cfm	10,593	10,770	12,888
C	Control, Driving me		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Notor output	kW	0.46 x 2	0.46 x 2	0.92 x 2
	External static press.		0 Pa (0 mmH₂O)	0 Pa (0 mmH₂O)	0 Pa (0 mmH₂O)
	Type		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
	Starting method		Inverter	Inverter	Inverter
	Notor output	kW	10.9	12.4	13.3
	Case heater	kW	-	_	-
External finish	Jaco Houter	1000	Pre-coated galvanized steel sheets	Pre-coated galvanized steel sheets	Pre-coated galvanized steel sheets
External linion		(+powder coating for -BS type)	(+powder coating for -BS type)	(+powder coating for -BS type)	
			<munsell 1="" 5y="" 8="" or="" similar=""></munsell>	<munsell 1="" 5y="" 8="" or="" similar=""></munsell>	<pre><munsell 1="" 5y="" 8="" or="" similar=""></munsell></pre>
External dimension HxWxD mi		mm	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,750 x 740
LACCITIAL UITTELISION F	IIVAAVD	in.		73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	
Protection H	ligh pressure pro		High pressure sensor. High pressure switch	High pressure sensor, High pressure switch	High pressure sensor, High pressure switch
devices			at 4.15 MPa (601 psi)	at 4.15 MPa (601 psi)	at 4.15 MPa (601 psi)
			Over-heat protection, Over-current protection	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection
	Compressor		-	-	-
	an motor		-	-	-
Refrigerant Type x original charge		R410A x 9.8 kg (22 lbs)	R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)	
Net weight kg (lbs)		278 (613)	294 (649)	337 (743)	
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
Optional parts		Header: CMY-Y104/108/1010-G	Header: CMY-Y104/108/1010-G	Header: CMY-Y104/108/1010-G	

Notes:

 *1 , *2 Nominal conditions (subject to JIS B8615-2) + ErP Lot 21/6 calculation method to EN14825

	Indoor	Outdoor	Pipe length	Level difference				
Cooling	27°C DB/19°C WB	35°C DB/24°C WB	7.5m (24-9/16ft.)	0m (0ft.)				
	(81°F DB/66°F WB)	(95°F DB/75°F WB)	7.5111 (24-9/1011.)					
Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)				

*3 Nominal heating conditions (subject to JIS B8615-2) Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)



Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

*Due to continuing improvement, above specification may be subject to change without notice.

PUHY-P YSNW-A(-BS)



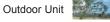
Specifications

PUHY-PE00YSINV-A (ES)	Model			DIILV DANNY	SNW A / BS)	DIILV DAEOV	SNW A (BS)	DILLY DEADY	SNW A / BS)
Cooling capacity									
STUh		*1	₽\ \/						
Power input WW 11.62 13.15 14.97		'							
EER (EIP)* WWW 5.13 S.15 S.26 S.15 S.15 S.26 S.15 S.26 S.	(Norminal)	Davisar innuit			1				
EER (EFP)									
Temp. range of Indoor									
Outdoor D.B. -5.0-52.0 °C (23-126 °F) -5	T								
Heating capacity 2 W 50.0 56.0 63.0									
BTUIL 170.600 191.100 215.000									
Power Input	0 , ,	^2							
COP KW/KW 4.33	(Max)								
COP (EP)* MV/W									
Nomina									
BTUh 153,500 170,600 191,100 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072 1072	(Name in al) *O LVA								
Power injust W	(Nomina								
COP									
Temp, range of Indoor D.B. 15.0-27.0 °C (59-81 °F) 15.0-27.0 °			_						
Detailing Deta		COP	kW/kW	5.	50	5.	35	5.	22
Detailing Deta				45.0.65.00	0 (50 04 05)	45.0.65.00	2 (50, 04 05)	450.6500	0 (50 04 05)
Indoor unit Total capacity 50-130% of outdoor unit capacity 50-130% of outdoor									
Model Apace Apac									
Sound pressure level measured in anechoic room *4 dB < A 78.0 / 81.0 80.0 / 82.0 81.0 / 83.0									
Measured in anechoic room				P15~P2	50/1~34	P15~P2	50/1~39	P15~P2	50/1~43
Measured in amechoic room 4			dB <a>	61.0	/ 62.0	62.0	/ 63.0	63.0	/ 64.0
Measured in anechoic room **4 MS - A **8.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 / 81.0 /			ub /:	*				****	
Measured in anechoic room 14 12.7 (1/2) Brazed 15.88(5/8) Brazed 28.58(1-1/8)			dB <a>	78.0	/ 81.0	80.0 / 82.0		81.0 / 83.0	
All Properties Case pipe mm (in.) 28.58(1-1/8) Brazed 28		(measured in anechoic room) "4				1=22(21)		45.00(5(0) D	
Puth-P200YNW-A (-BS) Puth-P200YNW-A (-BS) Puth-P250YNW-A (-BS)									
Putry Propeller fan x 1 Propeller fan x		Gas pipe	mm (in.)	28.58(1-1	/8) Brazed	28.58(1-1	/8) Brazed	28.58(1-1	/8) Brazed
Type x Quantity				I		I		I	1
Air flow rate									
L/s 2,833 2,833 2,833 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083 3,083	FAN		1 2						
Control, Driving mechanism Inverter-control, Direct-driven by motor Inverter 0.92 x 1		Air flow rate							
Control, Driving mechanism Inverter-control, Direct-driven by motor Motor output kW 0.92 x 1 0.92									
Motor output									
Type									
Type									
Starting method Inverter In			ess.						
Motor output kW 5.6 5.6 5.6 5.6 7.0 7.0 7.0 7.0	Compressor								
Case heater KW									
Pre-coated galvanized steel sheets (+powder coating for -BS type) (+powder coating for -BS type) (-MUNSELL 57 8/1 or similar>				5.6	5.6	5.6	7.0	7.0	7.0
Compressor Compressor Fan motor Type x original charge R410A x 6.5 kg (15 lbs) R410		Case heater	kVV	-	-	-	-	-	-
MUNSELL 5Y 8/1 or similar SMUNSELL 5Y 8/1 or smular SMUNSELL 5Y 8/1 or smular SMUNSELL 5Y 8/1 or smular SMUNSELL 5Y 8/1 or	External finish								
External dimension HxWxD									
Protection devices	F	11.14/.5	T						
T3-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16 T3-3/16 (70-13/16 without legs	External dimension	n HXVVXD	mm						
In. legs) x 36-1/4 x 29-3/16 legs) x 36-1/									
High pressure protection devices			in.						
At 4.15 MPa (601 psi)	D:	Tre i							
Inverter circuit (COMP/FAN) Over-heat protection, Over-current protection Over-heat prote		High pressure pr	otection						
Compressor	devices								
Fan motor - - - - - - - -			MP./FAN)		Over-current protection		Over-current protection		Over-current protection
Refrigerant Type x original charge R410A x 6.5 kg (15 lbs) R41					-	-	-		-
Net weight kg (lbs) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) 225 (497) <t< td=""><td>D (1</td><td></td><td></td><td></td><td>- D4404 :: 0.51 (45.5)</td><td></td><td>- D4404 0 E1 (45.7)</td><td></td><td>- D4404 :: 0.51 (45 ::)</td></t<>	D (1				- D4404 :: 0.51 (45.5)		- D4404 0 E1 (45.7)		- D4404 :: 0.51 (45 ::)
Heat exchanger Salt-resistant cross fin & copper tube Salt-resistant cross fin & copper tube Pipe between unit Liquid pipe mm (in.) 9.52(3/8) Brazed 9.52 (3/8) Brazed Poptional parts Salt-resistant cross fin & copper tube Salt-resistant cross fin & copper tube 9.52 (3/8) Brazed 22.2 (7/8) Brazed 22.		Type x original cl							
Pipe between unit Liquid pipe mm (in.) 9.52(3/8) Brazed 9.52 (3/8) Brazed 9.52(3/8) Brazed 9.52(3/			kg (lbs)						
and distributor Gas pipe mm (in.) 22.2(7/8) Brazed 22.2 (7/8) Braz		T							
Optional parts Outdoor Twinning kit: CMY-Y100VBK3 Outdoor Twinning kit: CMY-Y100VBK3 Outdoor Twinning kit: CMY-Y100VBK3									
		Gas pipe	mm (in.)						
Header: CMY-Y104/108/1010-G Header: CMY-Y104/108/1010-G Header: CMY-Y104/108/1010-G	Optional parts								
				Header: CMY-Y	104/108/1010-G	Header: CMY-Y	104/108/1010-G	Header: CMY-Y	104/108/1010-G

Notes:

	Indoor	Indoor Outdoor		Level difference	
Cooling	27°C DB/19°C WB	35°C DB/24°C WB	7.5m (24-9/16ft.)	0m (0ft.)	
Cooling	(81°F DB/66°F WB)	(95°F DB/75°F WB)	7.5111 (24-9/1011.)	om (or.)	
Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)	

^{*3} Nominal heating conditions (subject to JIS B8615-2) Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)



Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

*Due to continuing improvement, above specification may be subject to change without notice.

PUHY-P YSNW-A(-BS)



Specifications

Model			PUHY-P550V	SNW-A (-BS)	PUHY-P600Y	SNW-A (-BS)	PUHY-P650Y	SNW-A (-BS)
Power source				-400-415 V 50/60 Hz		400-415 V 50/60 Hz		400-415 V 50/60 Hz
Cooling capacity	*1	kW		3.0		1.0	73	
(Nominal)	'	BTU/h		,000	235		249	
(Norminal)	Power input	kW		.54		.88		.79
	EER	kW/kW		59	3.4		3.	
	EER (ErP)+	kW/kW		45	4.		4.15	
Tamas sames of	Indoor	W.B.		C (59~75 °F)			15.0~24.0 °C	
Temp. range of		D.B.		(23~126 °F)	15.0~24.0 °C (59~75 °F)			(23~126 °F)
cooling	Outdoor *2				-5.0~52.0 °C (23~126 °F) 76.5			
Heating capacity	"2		69.0 235,400				81	
(Max)		BTU/h			261			,100
	Power input	kW		.99		.17	21	
	COP	kW/kW		06	3.		3.	
	COP (ErP) ⁺	kW/kW		83	4.		4.	
(Nomina				3.0	69		73	
		BTU/h		,000		400		,100
	Power input	kW		.54	14			.66
	COP	kW/kW	5.	02	4.	85	4.	66
Temp. range of	Indoor	D.B.		C (59~81 °F)	15.0~27.0 °C		15.0~27.0 °C	
heating	Outdoor	W.B.		C (-4~60 °F)	-20.0~15.5 °			C (-4~60 °F)
Indoor unit	Total capacity			door unit capacity	50~130% of outo		50~130% of outo	
connectable	Model / Quantity		P15~P2	50/2~47	P15~P2	50/2~50	P15~P2	50/2~50
Sound pressure le		dB <a>	63.5	/ 66.0	64.0	167.5	66.5	/ 68 N
(measured in ane		UD \A>	00.0	7 00.0	04.07	01.5	66.5 / 68.0	
Sound power level		82.0	/ 85.0	83.0	186.5	84.0	/ 87 N	
(measured in anechoic room) *4 dB <a>				03.0	- 00.5	04.0	07.0	
Refrigerant piping Liquid pipe mm (in.)			3) Brazed		B) Brazed		B) Brazed	
diameter	Gas pipe	mm (in.)	28.58(1-1	/8) Brazed	28.58(1-1)	(8) Brazed	28.58 (1-1	/8) Brazed
Set Model								
Model					PUHY-P300YNW-A (-BS)			
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 2
	Air flow rate	m³/min	185	240	240	240	185	300
		L/s	3,083	4,000	4,000	4,000	3,083	5,000
		cfm	6,532	8,474	8,474	8,474	6,532	10,593
	Control, Driving m	echanism		rect-driven by motor	Inverter-control, Dir			ect-driven by motor
	Motor output	kW	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.46 x 2
*5	External static pr	ess.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH₂O)
Compressor	Туре		Inverter scroll her	metic compressor	Inverter scroll her	metic compressor	Inverter scroll her	metic compressor
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	7.0	7.9	7.9	7.9	7.0	10.9
	Case heater	kW	-	-	-	-	-	-
External finish	•		Pre-coated galva	nized steel sheets	Pre-coated galvar	nized steel sheets	Pre-coated galva	nized steel sheets
				ng for -BS type)	(+powder coati	ng for -BS type)	(+powder coati	
			<munsell 5y<="" td=""><td>' 8/1 or similar></td><td><munsell 5y<="" td=""><td>8/1 or similar></td><td><munsell 5y<="" td=""><td>8/1 or similar></td></munsell></td></munsell></td></munsell>	' 8/1 or similar>	<munsell 5y<="" td=""><td>8/1 or similar></td><td><munsell 5y<="" td=""><td>8/1 or similar></td></munsell></td></munsell>	8/1 or similar>	<munsell 5y<="" td=""><td>8/1 or similar></td></munsell>	8/1 or similar>
External dimensio	n HxWxD		1.858 (1.798 without	1,858 (1,798 without	1.858 (1.798 without	1,858 (1,798 without	1,858 (1,798 without	1.858 (1.798 withou
		mm	legs) x 920 x 740	legs) x 920 x 740	legs) x 920 x 740	legs) x 920 x 740	legs) x 920 x 740	legs) x 1,240 x 740
				73-3/16 (70-13/16 without		73-3/16 (70-13/16 without	73-3/16 (70-13/16 without	
		in.	legs) x 36-1/4 x 29-3/16		legs) x 36-1/4 x 29-3/16		legs) x 36-1/4 x 29-3/16	
Protection	High pressure pre	ntection		High pressure switch		High pressure switch	High pressure sensor	
devices	riigii procodio pr	otcotion		Pa (601 psi)	at 4.15 MP			a (601 psi)
4011000	Inverter circuit (CO	MP/FΔNI)		Over-current protection		Over-current protection	Over-heat protection,	
	Compressor		- Over-near protection,	_	- Over-near protection, v	-	Tot float protocoloff, t	-
	Fan motor		-	_		_	_	_
Refrigerant	Type x original ch	orge		D/100 v 6 E kg /15 lbg)	R410A x 6.5 kg (15 lbs)	D/100 v 6 E kg /15 lbg)	D4104 v 6 E kg (4E lbg)	P4104 v 0 0 kg (22 lbs
	Trype x original cr							
Net weight		kg (lbs)	225 (497)	228 (508)	228 (503)	228 (503)	225 (497)	278 (613)
Heat exchanger	I tours at a second			s fin & copper tube		s fin & copper tube		s fin & copper tube
Pipe between unit		mm (in.)	9.52(3/8) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	12.7(1/2) Brazed	9.52 (3/8) Brazed	12.7 (1/2) Brazed
and distributor	Gas pipe	mm (in.)	22.2(7/8) Brazed	22.2 (7/8) Brazed	22.2(7/8) Brazed	22.2 (7/8) Brazed	22.2(7/8) Brazed	28.58 (1-1/8) Brazed
Optional parts				kit: CMY-Y100VBK3		it: CMY-Y100VBK3		tit: CMY-Y100VBK3
	•			104/108/1010 @	Hooder: CMV V			104/108/1010 C

Outdoor Twinning kit: CMY-Y100VBK3 Header: CMY-Y104/108/1010-G

Outdoor Twinning kit: CMY-Y100VBK3 Header: CMY-Y104/108/1010-G

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2) + ErP Lot 21/6 calculation method to EN14825

	Indoor	Indoor Outdoor		Level difference	
0	27°C DB/19°C WB	35°C DB/24°C WB	7 5 (04 0/409)	0m (0ft.)	
Cooling	(81°F DB/66°F WB)	(95°F DB/75°F WB)	7.5m (24-9/16ft.)		
Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)	

Outdoor Twinning kit: CMY-Y100VBK3 Header: CMY-Y104/108/1010-G

^{*}Due to continuing improvement, above specification may be subject to change without notice.



^{*3} Nominal heating conditions (subject to JIS B8615-2) Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.) Eurovent registered

 ^{*4} Cooling mode/ Heating mode
 *5 External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O). Consult your dealer about the specification when setting External static pressure option.

PUHY-P YSNW-A(-BS)



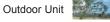
Specifications

Model			PUHY-P700Y	SNW-A (-BS)	PUHY-P750Y	SNW-A (-BS)	PUHY-P800Y	SNW-A (-BS)
Power source			3-phase 4-wire 380-			400-415 V 50/60 Hz		400-415 V 50/60 Hz
Cooling capacity	*1	kW		1.0		5.0).0
(Nominal)		BTU/h		000		,000	307	
(reominar)	Power input	kW	22			.56		.39
	EER	kW/kW	3.			46	3.4	
	EER (ErP)+	kW/kW		93		86	3.95	
Temp. range of	Indoor	W.B.	15.0~24.0 °C				15.0~24.0 °(
cooling	Outdoor	D.B.	-5.0~52.0 °C		15.0~24.0 °C (59~75 °F) -5.0~52.0 °C (23~126 °F)		-5.0~52.0 °C	
Heating capacity	*2	kW				5.0		0.0
(Max)	2	BTU/h	88.0 300,300			,100		,200
(IVIAX)	Power input	kW	22			.81	28	
	COP	kW/kW	3.			68		56
	COP (ErP)+	kW/kW	4.			87	4.	
(Nomina				1.0		5.0		0.0
(NOITIIIIa	BTU/h			,000		,000	307	
	Power input	kW		.53		.22		.99
	COP		4.			. <u>22</u> 42	4.	
	COP	kW/kW	4.	JU	4.	44	4.	JU
Temp. range of	Indoor	D.B.	15.0~27.0 °C	` (50~81 °E\	15.0~27.0 %	C (59~81 °F)	15.0~27.0 °C	^ (50~81 °E)
heating	Outdoor	W.B.	-20.0~27.0 °C			C (-4~60 °F)	-20.0~15.5 °	
Indoor unit	Total capacity	VV.B.		loor unit capacity		door unit capacity	50~130% of outo	
connectable	Model / Quantity			50/2~50		50/2~50		50/2~50
Sound pressure le			P15~P2	30/2~30	P 15~P2	30/2~30	P 15~P2	30/2~30
(measured in aned		dB <a>	65.0	67.0	67.0	/ 68.5	67.5	71.0
Sound power leve								
	(measured in anechoic room) *4 dB <a>		83.5	86.0	84.5	/ 88.0	85.5	/ 89.5
	onolo room y	(*)	40.05.(0)	() D	40.05.(0)	1) D	40.05.(0)	4) D
Refrigerant piping		mm (in.)		1) Brazed		4) Brazed		4) Brazed
diameter	Gas pipe	mm (in.)	34.93 (1-3	/8) Brazed	34.93 (1-3	/8) Brazed	34.93 (1-3	/8) Brazed
Set Model								
Model FAN	T		Propeller fan x 2		Propeller fan x 2		PUHY-P350YNW-A (-BS) Propeller fan x 2	
FAIN	Type x Quantity Air flow rate	31	270	Propeller fan x 2 270	270	Propeller fan x 2 300	270	Propeller fan x 2 305
	Air now rate	m³/min	4,500	4,500	4,500	5,000	4,500	5,083
		L/s	9,534	9,534		10,593	9,534	10,770
	Control, Driving m	cfm			9,534			
			0.46 x 2	ect-driven by motor 0.46 x 2	0.46 x 2	ect-driven by motor 0.46 x 2	0.46 x 2	ect-driven by motor 0.46 x 2
*5	Motor output External static pro	kW	0.46 x 2 0 Pa (0 mmH ₂ O)	0.46 x 2 0 Pa (0 mmH ₂ O)	0.46 X Z 0 Pa (0 mmH ₂ O)	0.46 X Z 0 Pa (0 mmH ₂ O)	0.46 x 2 0 Pa (0 mmH ₂ O)	0.46 X Z 0 Pa (0 mmH ₂ O)
Compressor	Type	288.		metic compressor		metic compressor		metic compressor
Compressor	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
		1.147	9.8	9.8		10.9	9.8	12.4
	Motor output	kW	9.0	9.0	9.8	10.9	9.0	
External finish	Case heater	kW						
External linish				nized steel sheets		nized steel sheets		nized steel sheets ng for -BS type)
				(+powder coating for -BS type)		(+powder coating for -BS type)		
External dimension				0/1 or similar	`MUNICELLEY	0/1 or similar	MIINICELL EV	
	- Llv4A/vD			8/1 or similar>		/ 8/1 or similar>	<munsell 5y<="" td=""><td></td></munsell>	
External dimensio	n HxWxD	mm	1,858 (1,798 without	1,858 (1,798 without	1,858 (1,798 without	1,858 (1,798 without	1,858 (1,798 without	1,858 (1,798 without
External dimensio	n HxWxD	mm	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740
External dimensio	n HxWxD	mm in.	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without
		in.	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16
Protection	High pressure pro	in.	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor.	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch
	High pressure pro	in.	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor at 4.15 MF	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch a (601 psi)	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor at 4.15 MF	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch a (601 psi)	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor at 4.15 MP	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch a (601 psi)
Protection	High pressure pro	in.	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor at 4.15 MP Over-heat protection, (1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch a (601 psi)	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor at 4.15 MF Over-heat protection,	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 , High pressure switch a (601 psi) Over-current protection	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor at 4.15 MP Over-heat protection, (1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 , High pressure switch a (601 psi) Over-current protection
Protection	High pressure pro	in.	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor at 4.15 MF	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch a (601 psi)	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor at 4.15 MF	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch a (601 psi)	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor at 4.15 MP	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch a (601 psi)
Protection devices	High pressure pro- Inverter circuit (CO Compressor Fan motor	in. otection MP./FAN)	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor at 4.15 MF Over-heat protection, 4	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch a (601 psi) 2 ver-current protection -	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor at 4.15 MF Over-heat protection,	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16. High pressure switch a (601 psi)	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor at 4.15 MP Over-heat protection, 0	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/6 x 29-3/16 High pressure switch a (601 psi)
Protection devices	High pressure pro	in. otection MP./FAN)	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor at 4.15 MF Over-heat protection, 4	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch a (601 psi) Over-current protection	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor at 4.15 MF Over-heat protection,	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 legs) x 48-7/8 x 29-3/16 High pressure switch a (601 psi) Diver-current protection - R410A x 9.8 kg (22 lbs)	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor at 4.15 MP Over-heat protection, 0	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch a (601 psi) Diver-current protection - R410A x 10.8 kg (24 lbs
Protection devices Refrigerant Net weight	High pressure pro- Inverter circuit (CO Compressor Fan motor	in. otection MP./FAN)	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor at 4.15 MF Over-heat protection, 4	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch a (601 psi) Over-current protection - R410A x 9.8 kg (22 lbs) 278 (613)	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor at 4.15 MF Over-heat protection,	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 , High pressure switch a (601 psi) Over-current protection	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor at 4.15 MP Over-heat protection, 0	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 . High pressure switch a (601 psi)
Protection devices Refrigerant Net weight Heat exchanger	High pressure pro Inverter circuit (CO Compressor Fan motor Type x original ch	in. otection MP./FAN) arge kg (lbs)	1,858 (1,798 without legs) x 1,240 x 740 77-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor at 4.15 MF Over-heat protection, 4	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch a (601 psi) Diver-current protection	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor at 4.15 MF Over-heat protection, R410A x 9.8 kg (22 lbs) 278 (613) Salt-resistant cros	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-78 x 29-3/16, High pressure switch a (601 psi) Over-current protection	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor at 4.15 MF Over-heat protection, 0	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16. High pressure switch a (601 psi) Over-current protection
Protection devices Refrigerant Net weight Heat exchanger Pipe between unit	High pressure pro Inverter circuit (CO Compressor Fan motor Type x original ch	in. otection MP./FAN) arge kg (lbs) mm (in.)	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor at 4.15 MF Over-heat protection, 4	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-78 x 29-3/16 High pressure switch a (601 psi) Over-current protection	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor at 4.15 MF Over-heat protection,	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-78 x 29-3/16. High pressure switch a (601 psi) Over-current protection	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor at 4.15 MP Over-heat protection, 0	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16. High pressure switch a (601 psi) Over-current protection - R410A x 10.8 kg (24 lbs) 294 (649) s fin & copper tube 15.88 (5/8) Brazed
Protection devices Refrigerant Net weight Heat exchanger Pipe between unit and distributor	High pressure pro Inverter circuit (CO Compressor Fan motor Type x original ch	in. otection MP./FAN) arge kg (lbs) mm (in.)	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor at 4.15 MF Over-heat protection, (1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch a (601 psi) Dver-current protection	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor at 4.15 MF Over-heat protection,	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch a (601 psi) Diver-current protection	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor at 4.15 MP Over-heat protection, (R410A x 9.8 kg (22 lbs) 278 (613) Salt-resistant cros 12,7 (1/2) Brazed 28.58 (1-1/8) Brazed	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16. High pressure switch a (601 psi) Diver-current protection
Protection devices Refrigerant Net weight Heat exchanger Pipe between unit	High pressure pro Inverter circuit (CO Compressor Fan motor Type x original ch	in. otection MP./FAN) arge kg (lbs) mm (in.)	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor at 4.15 MF Over-heat protection, (1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch a (601 psi) Diver-current protection - R410A x 9.8 kg (22 lbs) 278 (613) s fin & copper tube 12.7(1/2) Brazed 28.58 (1-1/8) Brazed it: CMY-Y200VBK2	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-78 x 29-3/16 High pressure sensor at 4.15 MF Over-heat protection, 9-10 1	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-78 x 29-3/16. High pressure switch a (601 psi) Over-current protection	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor at 4.15 MP Over-heat protection, (R410A x 9.8 kg (22 lbs) 278 (613) Salt-resistant cros 12,7 (1/2) Brazed 28.58 (1-1/8) Brazed	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16. High pressure switch a (601 psi) Diver-current protection R410A x 10.8 kg (24 lbs) 294 (649) s fin & copper tube 15.88 (5/8) Brazed 28.58 (1-1/8) Brazed it: CMY-Y200VBK2

Notes:

	Indoor	Indoor Outdoor		Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

^{*3} Nominal heating conditions (subject to JIS B8615-2) Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)



<sup>Pipe lengin: 7.5 in (24-9) to 1.5, Exerci sinesciolo. 7 in (24-9)

Curovent registered

Cooling mode / Heating mode

Society of the static pressure option is available (30 Pa, 80 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O). Consult your dealer about the specification when setting External static pressure option.

Due to continuing improvement, above specification may be subject to change without notice.</sup>

PUHY-P YSNW-A(-BS)



Specifications

Model				'SNW-A (-BS)	PUHY-P900Y		
Power source			3-phase 4-wire 380	-400-415 V 50/60 Hz	3-phase 4-wire 380-	400-415 V 50/60 Hz	
Cooling capacity	*1	kW	90	6.0	10	1.0	
(Nominal)		BTU/h	327	,600	344,	,600	
	Power input	kW	28	.91	30.79		
	EER	kW/kW	3.	32	3.28		
	EER (ErP)+	kW/kW	3.	89	3.97		
Temp. range of	Indoor	W.B.	15.0~24.0 °	C (59~75 °F)	15.0~24.0 °C (59~75 °F)		
cooling	Outdoor	D.B.	-5.0~52.0 °C	C (23~126 °F)	-5.0~52.0 °C	(23~126 °F)	
Heating capacity	*2	kW	10	8.0	113	3.0	
Max)		BTU/h	368	,500	385,	600	
,	Power input kW		31	.57	34.	.03	
	COP	kW/kW	3.	42	3.3	32	
	COP (ErP)+	kW/kW		85	4.0		
(Nomina		kW	91	6.0	10	1.0	
(,	BTU/h	327	.600	344,	.600	
	Power input	kW		.90	22.		
	COP	kW/kW		38	4.4		
		,					
Temp. range of	Indoor	D.B.	15.0~27.0 °	C (59~81 °F)	15.0~27.0 °C	C (59~81 °F)	
neating	Outdoor	W.B.	-20.0~15.5	°C (-4~60 °F)	-20.0~15.5 °	C (-4~60 °F)	
ndoor unit	Total capacity		50~130% of outdoor unit capacity		50~130% of outd	loor unit capacity	
connectable	Model / Quantity		P15~P2	250/2~50	P15~P2		
Sound pressure le (measured in ane		dB <a>	68.5 / 71.5		68.5	72.5	
Sound power lever measured in ane	el	dB <a>	86.0 / 90.5		86.5 / 91.5		
Refrigerant piping		mm (in.)	19.05 (3)	4) Brazed	19.05 (3/4) Brazed		
tiameter	Gas pipe	mm (in.)		5/8) Brazed	41.28 (1-5		
Set Model	Todas pipo	111111 (111.)	41.20 (10	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	41.20 (10	70) Brazoa	
Model			PUHY-P400YNW-A (-BS)	PUHY-P450YNW-A (-BS)	PUHY-P450YNW-A (-BS)	PUHY-P450YNW-A (-	
AN	Type x Quantity		Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	
	Air flow rate	m³/min	300	305	305	305	
		L/s	5,000	5.083	5,083	5.083	
		cfm	10.593	10,770	10.770	10.770	
	Control, Driving m			rect-driven by motor	Inverter-control, Dir		
	Motor output	kW	0.46 x 2	0.46 x 2	0.46 x 2	0.46 x 2	
*5			0 Pa (0 mmH₂O)	0 Pa (0 mmH₂O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	
Compressor	Type			metic compressor	Inverter scroll her		
p100001	Starting method		Inverter	Inverter	Inverter	Inverter	
	Motor output	kW	10.9	12.4	12.4	12.4	
	Case heater	kW	-	-	-	-	
Case neater KW External finish			Pre-coated galva (+powder coati	nized steel sheets ng for -BS type) / 8/1 or similar>	Pre-coated galvar (+powder coatir	nized steel sheets	
Toda on all allocations	11.4M.D			4 050 (4 700:414 1)	4.050 (4.700 :::::::::::::::::::::::::::::::::::	**	

External finish			Pre-coated galva	nized steel sheets	Pre-coated galva	nized steel sheets		
			(+powder coati	ng for -BS type)	(+powder coati	ng for -BS type)		
			<munsell 5y<="" td=""><td>′ 8/1 or similar></td><td colspan="3"><munsell 1="" 5y="" 8="" or="" similar=""></munsell></td></munsell>	′ 8/1 or similar>	<munsell 1="" 5y="" 8="" or="" similar=""></munsell>			
External dimensio	External dimension HxWxD		1,858 (1,798 without legs) x	1,858 (1,798 without legs) x	1,858 (1,798 without legs) x	1,858 (1,798 without legs) x		
mm		mm	1,240 x 740	1,240 x 740	1,240 x 740	1,240 x 740		
			73-3/16 (70-13/16 without legs) x	73-3/16 (70-13/16 without legs) x	73-3/16 (70-13/16 without legs) x	73-3/16 (70-13/16 without legs) x		
		in.	48-7/8 x 29-3/16	48-7/8 x 29-3/16	48-7/8 x 29-3/16	48-7/8 x 29-3/16		
Protection	High pressure pr	otection	High pressure sensor, High press	n pressure sensor, High pressure switch at 4.15 MPa (601 psi) High pressure sensor, High pressure switch at 4.15				
devices	Inverter circuit (CC	MP./FAN)	Over-heat protection, 0	Over-current protection	Over-heat protection, 0	Over-current protection		
	Compressor		-	-	-	•		
	Fan motor		-	-	-	-		
Refrigerant	Type x original cl	narge	R410A x 9.8 kg (22 lbs)	R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)		
Net weight		kg (lbs)	278 (613)	294 (649)	294 (649)	294 (649)		
Heat exchanger			Salt-resistant cros	s fin & copper tube	Salt-resistant cros	s fin & copper tube		
Pipe between unit	Liquid pipe	mm (in.)	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed		
and distributor	Gas pipe	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed		
Optional parts			Outdoor Twinning k	kit: CMY-Y200VBK2	Outdoor Twinning kit: CMY-Y200VBK2			
			Header: CMY-Y	104/108/1010-G	Header: CMY-Y104/108/1010-G			

Notes:

,	(,				
	Indoor	Indoor Outdoor		Level difference	
Cooling	27°C DB/19°C WB	35°C DB/24°C WB	7.5 (24.0/464.)		
Cooling	(81°F DB/66°F WB)	(95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)	
Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)	

^{*3} Nominal heating conditions (subject to JIS B8615-2)
Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O).
Consult your dealer about the specification when setting External static pressure option.

*Due to continuing improvement, above specification may be subject to change without notice.



PUHY-P YSNW-A(-BS)



Specifications

Model				JHY-P950YSNW-A (-B		PL	JHY-P1000YSNW-A (-E	3S)
Power source				4-wire 380-400-415 V			4-wire 380-400-415 V	
Cooling capacity	*1	kW		108.0			113.0	
(Nominal)	i	BTU/h		368,500			385,600	
(11011111111)	Power input	kW		29.91			32.01	
	EER	kW/kW		3.61			3.53	
	EER (ErP)+	kW/kW		4.13			4.07	
Taman sanas of				5.0~24.0 °C (59~75 °F	-\		4.07 15.0~24.0 °C (59~75 °F	٠\
Temp. range of	Indoor	W.B.						
cooling	Outdoor	D.B.	-:	5.0~52.0 °C (23~126 °I	-)		5.0~52.0 °C (23~126 °I	-)
Heating capacity	*2	kW		119.5			127.0	
(Max)		BTU/h		407,700			433,300	
	Power input	kW	30.40				33.42	
	COP	kW/kW	3.93				3.80	
	COP (ErP)+	kW/kW		4.39			4.17	
(Nomina	I) *3	kW		108.0			113.0	
	BTU/h Power input kW COP kW/kW			368,500			385,600	
				22.78			24.44	
				4.74			4.62	
Temp. range of	Indoor	D.B.	1	5.0~27.0 °C (59~81 °F	=)		15.0~27.0 °C (59~81 °F	:)
heating	Outdoor	W.B.		20.0~15.5 °C (-4~60 °F			20.0~15.5 °C (-4~60 °F	
Indoor unit	Total capacity	VV.D.		30% of outdoor unit ca			30% of outdoor unit ca	
connectable	Model / Quantity		00 1	P15~P250/2~50	puolty	00 1	P15~P250/2~50	paorty
Sound pressure le				F 13**F 230/2**30			F 13*F 230/2**30	
		dB <a>		66.0 / 68.0			68.0 / 69.5	
iniododiod iii diriodriolo rodiii)								
Sound power leve		dB <a>	84.5 / 87.0			85.5 / 88.5		
		mm (in.)		19.05(3/4) Brazed			19.05(3/4) Brazed	
diameter Gas pipe mm (in.)			41.28 (1-5/8) Brazed			41.28 (1-5/8) Brazed		
Set Model								
Model							PUHY-P350YNW-A (-BS)	
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 2	Propeller fan x 2	Propeller fan x 1	Propeller fan x 2	Propeller fan x 2
	Air flow rate	m³/min	185	270	270	185	270	300
		L/s	3,083	4,500	4,500	3,083	4,500	5,000
		cfm	6,532	9,534	9,534	6,532	9,534	10,593
	Control, Driving me		Inverter					
		ecnanism	IIIVCITO	-control, Direct-driven I	by motor		-control, Direct-driven I	
	Motor output	ecnanism kW	0.92 x 1	-control, Direct-driven I 0.46 x 2	0.46 x 2			
*5		kW	0.92 x 1	0.46 x 2	0.46 x 2	Inverter 0.92 x 1	-control, Direct-driven I 0.46 x 2	oy motor 0.46 x 2
	External static pre	kW	0.92 x 1 0 Pa (0 mmH ₂ O)	0.46 x 2 0 Pa (0 mmH ₂ O)	0.46 x 2 0 Pa (0 mmH ₂ O)	Inverter 0.92 x 1 0 Pa (0 mmH ₂ O)	-control, Direct-driven I 0.46 x 2 0 Pa (0 mmH ₂ O)	0.46 x 2 0 Pa (0 mmH ₂ O)
	External static pre	kW	0.92 x 1 0 Pa (0 mmH ₂ O) Inverte	0.46 x 2 0 Pa (0 mmH ₂ O) er scroll hermetic comp	0.46 x 2 0 Pa (0 mmH ₂ O) pressor	0.92 x 1 0 Pa (0 mmH ₂ O) Inverto	-control, Direct-driven I 0.46 x 2 0 Pa (0 mmH ₂ O) er scroll hermetic comp	0.46 x 2 0 Pa (0 mmH ₂ O)
	External static pre Type Starting method	kW ess.	0.92 x 1 0 Pa (0 mmH ₂ O) Inverter	0.46 x 2 0 Pa (0 mmH ₂ O) er scroll hermetic comp Inverter	0.46 x 2 0 Pa (0 mmH ₂ O) pressor Inverter	Inverter 0.92 x 1 0 Pa (0 mmH ₂ O) Inverter Inverter	-control, Direct-driven I 0.46 x 2 0 Pa (0 mmH ₂ O) er scroll hermetic comp	0.46 x 2 0 Pa (0 mmH ₂ O) ressor Inverter
	External static pre Type Starting method Motor output	kW ess.	0.92 x 1 0 Pa (0 mmH ₂ O) Inverte	0.46 x 2 0 Pa (0 mmH ₂ O) er scroll hermetic comp	0.46 x 2 0 Pa (0 mmH ₂ O) pressor Inverter 9.8	0.92 x 1 0 Pa (0 mmH ₂ O) Inverto	-control, Direct-driven I 0.46 x 2 0 Pa (0 mmH ₂ O) er scroll hermetic comp	0.46 x 2 0 Pa (0 mmH ₂ O)
Compressor	External static pre Type Starting method	kW ess.	0.92 x 1 0 Pa (0 mmH ₂ O) Inverter 7.0	0.46 x 2 0 Pa (0 mmH ₂ O) er scroll hermetic comp Inverter 9.8	0.46 x 2 0 Pa (0 mmH ₂ O) pressor Inverter 9.8	Inverter 0.92 x 1 0 Pa (0 mmH ₂ O) Inverter 7.0	-control, Direct-driven I 0.46 x 2 0 Pa (0 mmH ₂ O) er scroll hermetic comp Inverter 9.8	0.46 x 2 0 Pa (0 mmH ₂ O) ressor Inverter 10.9
Compressor External finish	External static pre Type Starting method Motor output	kW ess.	0.92 x 1 0 Pa (0 mmH ₂ O) Inverter 7.0 - Pre-cc	0.46 x 2 0 Pa (0 mmH ₂ O) er scroll hermetic comp Inverter 9.8 - pated galvanized steel	0.46 x 2 0 Pa (0 mmH ₂ O) pressor Inverter 9.8 -	Inverter 0.92 x 1 0 Pa (0 mmH ₂ O) Inverter 7.0 - Pre-cc	control, Direct-driven l 0.46 x 2 0 Pa (0 mmH ₂ O) er scroll hermetic comp Inverter 9.8 	0.46 x 2 0 Pa (0 mmH ₂ O) ressor Inverter 10.9 -
Compressor	External static pre Type Starting method Motor output	kW ess.	0.92 x 1 0 Pa (0 mmH ₂ O) Inverter 7.0 - Pre-cc (+pc	0.46 x 2 0 Pa (0 mmH ₂ O) er scroll hermetic comp Inverter 9.8 - pated galvanized steel	0.46 x 2 0 Pa (0 mmH ₂ O) pressor Inverter 9.8 - sheets ype)	Inverter 0.92 x 1 0 Pa (0 mmHzO) Inverter 7.0 - Pre-cc (+pressure 1	-control, Direct-driven I 0.46 x 2 0 Pa (0 mmH ₂ O) er scroll hermetic comp Inverter 9.8	oy motor 0.46 x 2 0 Pa (0 mmH ₂ O) ressor Inverter 10.9 - sheets ype)
Compressor External finish	External static pre Type Starting method Motor output Case heater	kW ess.	0.92 x 1 0 Pa (0 mmH ₂ O) Inverter 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	0.46 x 2 0 Pa (0 mmHzO) er scroll hermetic comp Inverter 9.8 - pated galvanized steel bwder coating for -BS t UNSELL 5Y 8/1 or simi	0.46 x 2 0 Pa (0 mmH ₂ O) pressor Inverter 9.8 - sheets ype) lar>	Inverter	-control, Direct-driven I 0.46 x 2 0 Pa (0 mmH ₂ O) er scroll hermetic comp Inverter 9.8	oy motor 0.46 x 2 0 Pa (0 mmH ₂ O) ressor Inverter 10.9 - sheets ype) lar>
Compressor External finish	External static pre Type Starting method Motor output Case heater	kW ess. kW kW	0.92 x 1 0 Pa (0 mmH ₂ O) Inverter 7.0 - Pre-cc (+pc (-M) 1,858 (1,798 without	0.46 x 2 0 Pa (0 mmH ₂ O) er scroll hermetic comp Inverter 9.8 ated galvanized steel bwder coating for -BS t JNSELL 5Y 8/1 or simi 1,858 (1,798 without	0.46 x 2 0 Pa (0 mmH ₂ O) pressor Inverter 9.8 - sheets ype) lar> 1,858 (1,798 without	Inverter 0.92 x 1 0 Pa (0 mmH ₂ O) Inverter 7.0 - Pre-ct (+pt - Market Market	-control, Direct-driven I 0.46 x 2 0 Pa (0 mmH ₂ O) er scroll hermetic comp Inverter 9.8 - anted galvanized steel bunder coating for -BS t UNSELL SY 8/1 or simi 1,858 (1,798 without	oy motor 0.46 x 2 0 Pa (0 mmH ₂ O) ressor Inverter 10.9 - sheets ype) lar> 1,858 (1,798 withou
Compressor External finish	External static pre Type Starting method Motor output Case heater	kW ess.	0.92 x 1 0 Pa (0 mmH ₂ O) Inverter 7.0 - Pre-cc (+pc <m) (1,798="" 1,858="" 740<="" 920="" legs)="" td="" without="" x=""><td>0.46 x 2 0 Pa (0 mmH₂O) er scroll hermetic comp Inverter 9.8 pated galvanized steel bwder coating for -BS t JNSELL 5Y 8/1 or simi 1,858 (1,798 without legs) x 1,240 x 740</td><td>0.46 x 2 0 Pa (0 mmH₂O) ressor Inverter 9.8 - sheets ype) lar> 1,858 (1,798 without legs) x 1,240 x 740</td><td>Inverter 0.92 x 1 0 Pa (0 mmHzO) Inverter 7.0</td><td>-control, Direct-driven I 0.46 x 2 0 Pa (0 mmH2O) er scroll hermetic comp Inverter 9.8</td><td>oy motor 0.46 x 2 0 Pa (0 mmH₂O) ressor Inverter 10.9 - sheets ype) lar> 1,858 (1,798 withou legs) x 1,240 x 740</td></m)>	0.46 x 2 0 Pa (0 mmH ₂ O) er scroll hermetic comp Inverter 9.8 pated galvanized steel bwder coating for -BS t JNSELL 5Y 8/1 or simi 1,858 (1,798 without legs) x 1,240 x 740	0.46 x 2 0 Pa (0 mmH ₂ O) ressor Inverter 9.8 - sheets ype) lar> 1,858 (1,798 without legs) x 1,240 x 740	Inverter 0.92 x 1 0 Pa (0 mmHzO) Inverter 7.0	-control, Direct-driven I 0.46 x 2 0 Pa (0 mmH2O) er scroll hermetic comp Inverter 9.8	oy motor 0.46 x 2 0 Pa (0 mmH ₂ O) ressor Inverter 10.9 - sheets ype) lar> 1,858 (1,798 withou legs) x 1,240 x 740
Compressor External finish	External static pre Type Starting method Motor output Case heater	kW ess. kW kW	0.92 x 1 0 Pa (0 mmH ₂ O) Inverter 7.0 - Pre-cc (+pc (-M) 1,858 (1,798 without	0.46 x 2 0 Pa (0 mmH ₂ O) er scroll hermetic comp Inverter 9.8	0.46 x 2 0 Pa (0 mmH ₂ O) ressor Inverter 9.8 - sheets ype) lar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without	Inverter 0.92 x 1 0 Pa (0 mmHzO) Inverter 7.0	-control, Direct-driven I 0.46 x 2 0 Pa (0 mmHzO) er scroll hermetic comp Inverter 9.8	oy motor 0.46 x 2 0 Pa (0 mmH ₂ O) ressor Inverter 10.9 - sheets ype) lar> 1,858 (1,798 withou
Compressor External finish	External static pre Type Starting method Motor output Case heater	kW ess. kW kW	0.92 x 1 0 Pa (0 mmH ₂ O) Inverter 7.0 - Pre-cc (+pc <m) (1,798="" 1,858="" 740<="" 920="" legs)="" td="" without="" x=""><td>0.46 x 2 0 Pa (0 mmH₂O) er scroll hermetic comp Inverter 9.8 pated galvanized steel bwder coating for -BS t JNSELL 5Y 8/1 or simi 1,858 (1,798 without legs) x 1,240 x 740</td><td>0.46 x 2 0 Pa (0 mmH₂O) ressor Inverter 9.8 - sheets ype) lar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without</td><td>Inverter 0.92 x 1 0 Pa (0 mmHzO) Inverter 7.0</td><td>-control, Direct-driven I 0.46 x 2 0 Pa (0 mmH2O) er scroll hermetic comp Inverter 9.8</td><td>oy motor 0.46 x 2 0 Pa (0 mmH₂O) ressor Inverter 10.9 - sheets ype) lar> 1,858 (1,798 withou legs) x 1,240 x 740</td></m)>	0.46 x 2 0 Pa (0 mmH ₂ O) er scroll hermetic comp Inverter 9.8 pated galvanized steel bwder coating for -BS t JNSELL 5Y 8/1 or simi 1,858 (1,798 without legs) x 1,240 x 740	0.46 x 2 0 Pa (0 mmH ₂ O) ressor Inverter 9.8 - sheets ype) lar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without	Inverter 0.92 x 1 0 Pa (0 mmHzO) Inverter 7.0	-control, Direct-driven I 0.46 x 2 0 Pa (0 mmH2O) er scroll hermetic comp Inverter 9.8	oy motor 0.46 x 2 0 Pa (0 mmH ₂ O) ressor Inverter 10.9 - sheets ype) lar> 1,858 (1,798 withou legs) x 1,240 x 740
Compressor External finish External dimension	External static pre Type Starting method Motor output Case heater	kW ess. kW kW in.	0.92 x 1 0 Pa (0 mmH ₂ O) Inverter 7.0 - Pre-cc (+pc <m (1,798="" (70-13="" 1,858="" 16="" 16<="" 29-3="" 36-1="" 4="" 7-3-3="" 740="" 920="" legs)="" td="" without="" x=""><td>0.46 x 2 0 Pa (0 mmHzO) er scroll hermetic comp Inverter 9.8</td><td>0.46 x 2 0 Pa (0 mmH₂O) ressor Inverter 9.8 - sheets ype) lar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without</td><td>Inverter 0.92 x 1 0 Pa (0 mmHzO) Inverter 7.0 -2 Fre-ct (+pt</td><td>-control, Direct-driven I 0.46 x 2 0 Pa (0 mmHzO) er scroll hermetic comp Inverter 9.8</td><td>oy motor 0.46 x 2 0 Pa (0 mmH₂O) ressor Inverter 10.9 - sheets ype) lar> 1,858 (1,798 withou legs) x 1,240 x 740 73-3/16 (71-3/16 withou legs) x 48-7/8 x 29-3/16</td></m>	0.46 x 2 0 Pa (0 mmHzO) er scroll hermetic comp Inverter 9.8	0.46 x 2 0 Pa (0 mmH ₂ O) ressor Inverter 9.8 - sheets ype) lar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without	Inverter 0.92 x 1 0 Pa (0 mmHzO) Inverter 7.0 -2 Fre-ct (+pt	-control, Direct-driven I 0.46 x 2 0 Pa (0 mmHzO) er scroll hermetic comp Inverter 9.8	oy motor 0.46 x 2 0 Pa (0 mmH ₂ O) ressor Inverter 10.9 - sheets ype) lar> 1,858 (1,798 withou legs) x 1,240 x 740 73-3/16 (71-3/16 withou legs) x 48-7/8 x 29-3/16
Compressor External finish External dimension	External static pre Type Starting method Motor output Case heater	kW ess. kW kW in. otection	0.92 x 1 0 Pa (0 mmH ₂ O) Inverter 7.0 - Pre-cc (+pc 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16 High pressure sensor	0.46 x 2 0 Pa (0 mmHzO) er scroll hermetic comp Inverter 9.8	0.46 x 2 0 Pa (0 mmH ₂ O) ressor Inverter 9.8 - sheets ype) lar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 ps)	Inverter 0.92 x 1 0 Pa (0 mmHzO) Inverter 7.0	-control, Direct-driven I	oy motor 0.46 x 2 0 Pa (0 mmH ₂ O) ressor Inverter 10.9 - sheets ype) lar> 1,858 (1,798 withou legs) x 1,240 x 740 73-3/16 (70-13/16 withou legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi
Compressor External finish External dimension	External static pre Type Starting method Motor output Case heater n HxWxD	kW ess. kW kW in. otection	0.92 x 1 0 Pa (0 mmH ₂ O) Inverter 7.0 - Pre-cc (+pc 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16 High pressure sensor	0.46 x 2 0 Pa (0 mmH ₂ O) er scroll hermetic comp Inverter 9.8	0.46 x 2 0 Pa (0 mmH ₂ O) ressor Inverter 9.8 - sheets ype) lar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 ps)	Inverter 0.92 x 1 0 Pa (0 mmHzO) Inverter 7.0	control, Direct-driven I 0.46 x 2 0 Pa (0 mmHzO) er scroll hermetic comp Inverter 9.8	oy motor 0.46 x 2 0 Pa (0 mmH ₂ O) ressor Inverter 10.9 - sheets ype) lar> 1,858 (1,798 withou legs) x 1,240 x 740 73-3/16 (70-13/16 withou legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi
Compressor External finish External dimension	External static pre Type Starting method Motor output Case heater High pressure pre Inverter circuit (COI	kW ess. kW kW in. otection	0.92 x 1 0 Pa (0 mmH ₂ O) Inverter 7.0 - Pre-cc (+pc 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16 High pressure sensor	0.46 x 2 0 Pa (0 mmH ₂ O) er scroll hermetic comp Inverter 9.8	0.46 x 2 0 Pa (0 mmH ₂ O) ressor Inverter 9.8 - sheets ype) lar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 ps)	Inverter 0.92 x 1 0 Pa (0 mmHzO) Inverter 7.0	control, Direct-driven I 0.46 x 2 0 Pa (0 mmHzO) er scroll hermetic comp Inverter 9.8	oy motor 0.46 x 2 0 Pa (0 mmH ₂ O) ressor Inverter 10.9 - sheets ype) lar> 1,858 (1,798 withou legs) x 1,240 x 740 73-3/16 (70-13/16 withou legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi
External finish External dimension Protection devices	External static pre Type Starting method Motor output Case heater High pressure pre Inverter circuit (COI Compressor	kW ess. kW kW mm in. otection MP./FAN)	0.92 x 1 0 Pa (0 mmH ₂ O) Inverter 7.0 - Pre-cc (+pc <m* (1,798="" (70-13="" -<="" 1,858="" 16="" 29.3="" 36.1="" 4="" 73-3="" 740="" 920="" high="" legs)="" over-heat="" pressure="" sensor="" td="" without="" x="" =""><td>0.46 x 2 0 Pa (0 mmHzO) er scroll hermetic comp Inverter 9.8 sated galvanized steel owder coating for -BS t JNSELL 5Y 8/1 or simt 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 t, High pressure switch orotection, Over-currer</td><td>0.46 x 2 0 Pa (0 mmH₂O) ressor Inverter 9.8 - sheets ype) lar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi) t protection</td><td>Inverter 0.92 x 1 0 Pa (0 mmH₂O) Inverter 7.0 - Pre-cc (+pr - M 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16 High pressure sensor Over-heat</td><td>-control, Direct-driven I 0.46 x 2 0 Pa (0 mmHzO) er scroll hermetic comp Inverter 9.8 -coated galvanized steel owder coating for -BS t UNSELL 5Y 8/1 or simi 1,858 (1,798 without legs) x 1,240 x 740 17-33/16 (70-13/16 without legs) x 48-78 x 29-3/16 Tight pressure switch protection, Over-currer</td><td>oy motor 0.46 x 2 0 Pa (0 mmH₂O) ressor Inverter 10.9</td></m*>	0.46 x 2 0 Pa (0 mmHzO) er scroll hermetic comp Inverter 9.8 sated galvanized steel owder coating for -BS t JNSELL 5Y 8/1 or simt 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 t, High pressure switch orotection, Over-currer	0.46 x 2 0 Pa (0 mmH ₂ O) ressor Inverter 9.8 - sheets ype) lar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi) t protection	Inverter 0.92 x 1 0 Pa (0 mmH ₂ O) Inverter 7.0 - Pre-cc (+pr - M 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16 High pressure sensor Over-heat	-control, Direct-driven I 0.46 x 2 0 Pa (0 mmHzO) er scroll hermetic comp Inverter 9.8 -coated galvanized steel owder coating for -BS t UNSELL 5Y 8/1 or simi 1,858 (1,798 without legs) x 1,240 x 740 17-33/16 (70-13/16 without legs) x 48-78 x 29-3/16 Tight pressure switch protection, Over-currer	oy motor 0.46 x 2 0 Pa (0 mmH ₂ O) ressor Inverter 10.9
External finish External dimension Protection devices Refrigerant	External static pre Type Starting method Motor output Case heater High pressure pre Inverter circuit (COI Compressor	kW ess. kW kW mm in. otection MP./FAN)	0.92 x 1 0 Pa (0 mmH ₂ O) Inverter 7.0	0.46 x 2 0 Pa (0 mmH ₂ O) er scroll hermetic comp Inverter 9.8 anted galvanized steel bwder coating for -BS t JNSELL 5Y 8/1 or simi 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch orotection, Over-currer - R410A x 9.8 kg (22 lbs)	0.46 x 2 0 Pa (0 mmH ₂ O) ressor Inverter 9.8 - sheets ype) lar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi) tt protection - R410A x 9.8 kg (22 lbs)	Inverter 0.92 x 1 0 Pa (0 mmHzO) Inverter 7.0	control, Direct-driven I 0.46 x 2 0 Pa (0 mmHzO) er scroll hermetic comp Inverter 9.8	oy motor 0.46 x 2 0 Pa (0 mmH ₂ O) ressor Inverter 10.9 - sheets ype) lar- 1,858 (1,798 withou legs) x 1,240 x 740 73-3/16 (70-13/16 withou legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi t protection - R410A x 9.8 kg (22 lbs
External finish External dimension Protection devices Refrigerant Net weight	External static pre Type Starting method Motor output Case heater High pressure pre Inverter circuit (COI Compressor	kW ess. kW kW mm in. otection MP./FAN)	0.92 x 1 0 Pa (0 mmH ₂ O) Inverter 7.0 - Pre-cc (+pc <mi (1,798="" (15="" (497)<="" (70-13="" -="" 1="" 1,858="" 16="" 225="" 29-3="" 36-1="" 4="" 6.5="" 73-3="" 740="" 920="" high="" kg="" lbs)="" legs)="" over-heat="" pressure="" r410a="" sensor="" td="" without="" x=""><td>0.46 x 2 0 Pa (0 mmH₂O) er scroll hermetic comp Inverter 9.8</td><td>0.46 x 2 0 Pa (0 mmH₂O) ressor Inverter 9.8 - sheets ype) lar- 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi) t protection - R410A x 9.8 kg (22 lbs) 278 (613)</td><td>Inverter 0.92 x 1 0 Pa (0 mmH₂O) Inverter 7.0 - Pre-cx (+px 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16 High pressure sensor Over-heat - R410A x 6.5 kg (15 lbs) 225 (497)</td><td>-control, Direct-driven I</td><td>oy motor 0.46 x 2 0 Pa (0 mmH₂O) ressor Inverter 10.9 - sheets ype) lar> 1,858 (1,798 withou legs) x 1,240 x 740 73-3/16 (70-13/16 withou legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi t protection - R410A x 9.8 kg (22 lbs 278 (613)</td></mi>	0.46 x 2 0 Pa (0 mmH ₂ O) er scroll hermetic comp Inverter 9.8	0.46 x 2 0 Pa (0 mmH ₂ O) ressor Inverter 9.8 - sheets ype) lar- 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi) t protection - R410A x 9.8 kg (22 lbs) 278 (613)	Inverter 0.92 x 1 0 Pa (0 mmH ₂ O) Inverter 7.0 - Pre-cx (+px 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16 High pressure sensor Over-heat - R410A x 6.5 kg (15 lbs) 225 (497)	-control, Direct-driven I	oy motor 0.46 x 2 0 Pa (0 mmH ₂ O) ressor Inverter 10.9 - sheets ype) lar> 1,858 (1,798 withou legs) x 1,240 x 740 73-3/16 (70-13/16 withou legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi t protection - R410A x 9.8 kg (22 lbs 278 (613)
External finish External dimension Protection devices Refrigerant Net weight Heat exchanger	External static pre Type Starting method Motor output Case heater High pressure pre Inverter circuit (COI Compressor Fan motor Type x original ch	kW ess. kW kW in. otection MP/FAN) arge kg (lbs)	0.92 x 1 0 Pa (0 mmH ₂ O) Inverter 7.0 - Pre-cc (+pc -M) 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16 High pressure sensor Over-heat 1 R410A x 6.5 kg (15 lbs) 225 (497) Salt-re:	0.46 x 2 0 Pa (0 mmHzO) er scroll hermetic comp Inverter 9.8	0.46 x 2 0 Pa (0 mmH ₂ O) ressor Inverter 9.8 - sheets ype) lar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi) it protection	Inverter 0.92 x 1 0 Pa (0 mmHzO) Inverter 7.0 - Pre-cc (+pr) - (M 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16 High pressure sensor Over-heat - R410A x 6.5 kg (15 lbs) 225 (497) Salt-re	-control, Direct-driven I 0.46 x 2 0 Pa (0 mmHzO) er scroll hermetic comp Inverter 9.8	oy motor 0.46 x 2 0 Pa (0 mmH ₂ O) ressor Inverter 10.9 - sheets ype) lar> 1,858 (1,798 withou legs) x 1,240 x 740 73-3/16 (70-13/16 withou legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi t protection R410A x 9.8 kg (22 lbs 278 (613)
External finish External dimension Protection devices Refrigerant Net weight Heat exchanger Pipe between unit	External static pre Type Starting method Motor output Case heater High pressure pre Inverter circuit (COI Compressor Fan motor Type x original ch	kW ess. kW kW in. otection MP/FAN) arge kg (lbs)	0.92 x 1 0 Pa (0 mmH ₂ O) Inverter 7.0 - Pre-cc (+pc 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36.1/4 x 29.3/16 High pressure sensor Over-heat 1 - R410A x 6.5 kg (15 lbs) 225 (497) Salt-re: 9.52 (3/8) Brazed	0.46 x 2 0 Pa (0 mmHzO) er scroll hermetic comp Inverter 9.8	0.46 x 2 0 Pa (0 mmH ₂ O) ressor Inverter 9.8 - sheets ype) lar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi) tt protection - R410A x 9.8 kg (22 lbs) 278 (613) ver tube 12.7 (1/2) Brazed	Inverter 0.92 x 1 0 Pa (0 mmHzO) Inverter 7.0	control, Direct-driven I 0.46 x 2 0 Pa (0 mmHzO) er scroll hermetic comp Inverter 9.8	y motor 0.46 x 2 0 Pa (0 mmH ₂ O) ressor Inverter 10.9 - sheets ype) lar> 1,858 (1,798 withou legs) x 1,240 x 740 73-3/16 (70-13/16 withou legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi t protection R410A x 9.8 kg (22 lbs 278 (613) wer tube 15.88 (5/8) Brazed
External finish External dimension Protection devices Refrigerant Net weight Heat exchanger Pipe between unit and distributor	External static pre Type Starting method Motor output Case heater High pressure pre Inverter circuit (COI Compressor Fan motor Type x original ch	kW ess. kW kW in. otection MP/FAN) arge kg (lbs)	0.92 x 1 0 Pa (0 mmH ₂ O) Inverter 7.0	0.46 x 2 0 Pa (0 mmH ₂ O) er scroll hermetic complex scroll hermetic complex er control hermetic complex er control hermetic complex er coating for -BS to JNSELL 5Y 8/1 or similar scroll scroll hermetic scr	0.46 x 2 0 Pa (0 mmH ₂ O) ressor Inverter 9.8 - sheets ype) lar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi) t protection R410A x 9.8 kg (22 lbs) 278 (613) er tube 12.7 (1/2) Brazed 28.58 (1-1/8) Brazed	Inverter 0.92 x 1 0 Pa (0 mmHzO) Inverter 7.0	-control, Direct-driven I 0.46 x 2 0 Pa (0 mmHzO) er scroll hermetic comp Inverter 9.8 -control, Direct-driven I 9.8 -control of the metic comp Inverter Inver	y motor 0.46 x 2 0 Pa (0 mmH ₂ O) ressor Inverter 10.9 - sheets ype) lar> 1,858 (1,798 withou legs) x 1,240 x 740 73-3/16 (70-13/16 withou legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi t protection - R410A x 9.8 kg (22 lbs 278 (613) er tube 15.88 (5/8) Brazed 28.58 (1-1/8) Brazed
External finish External dimension Protection devices Refrigerant Net weight Heat exchanger Pipe between unit	External static pre Type Starting method Motor output Case heater High pressure pre Inverter circuit (COI Compressor Fan motor Type x original ch	kW ess. kW kW in. otection MP/FAN) arge kg (lbs)	0.92 x 1 0 Pa (0 mmH ₂ O) Inverter 7.0 - Pre-cc (+pc - M 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16 High pressure sensor Over-heat 1 - R410A x 6.5 kg (15 lbs) 225 (497) Salt-rei 9.52 (3/8) Brazed 22.2 (7/8) Brazed Outdoo	0.46 x 2 0 Pa (0 mmHzO) er scroll hermetic comp Inverter 9.8	0.46 x 2 0 Pa (0 mmH ₂ O) ressor Inverter 9.8 - sheets ype) lar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi) t protection - R410A x 9.8 kg (22 lbs) 278 (613) ver tube 12.7 (1/2) Brazed 28.58 (1-1/8) Brazed 00VBK3	Inverter 0.92 x 1 0 Pa (0 mmHz0) Inverter 7.0	control, Direct-driven I 0.46 x 2 0 Pa (0 mmHzO) er scroll hermetic comp Inverter 9.8	oy motor 0.46 x 2 0 Pa (0 mmH ₂ O) ressor 10.9 - sheets ype) lar> 1,858 (1,798 withou legs) x 1,240 x 740 73-3/16 (70-13/16 withou legs) x 48-7/8 x 29-3/16 at protection - R410A x 9.8 kg (22 lbs 278 (613) er tube 15.88 (5/8) Brazed 28.58 (1-1/8) Brazed

Notes:

	Indoor	Indoor Outdoor		Level difference	
Cooling	27°C DB/19°C WB	35°C DB/24°C WB	7.5m (24-9/16ft.)	0m (0ft.)	
Occining	(81°F DB/66°F WB)	(95°F DB/75°F WB)	7.511 (24-5/161.)	on (oic)	
Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)	

^{*3} Nominal heating conditions (subject to JIS B8615-2) Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B.66 °CW.B. (45 °FD.B./43 °FW.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
Eurovent registered
*4 Cooling mode / Heating mode
*5 External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmHzO, 6.1 mmHzO, 8.2 mmHzO).
Consult your dealer about the specification when setting External static pressure option.
*Due to continuing improvement, above specification may be subject to change without notice.



PUHY-P YSNW-A(-BS)



Specifications

Model			PU	HY-P1050YSNW-A (-E	BS)	PU	HY-P1100YSNW-A (-E	3S)	
Power source			3-phase	4-wire 380-400-415 V	50/60 Hz	3-phase	4-wire 380-400-415 V	50/60 Hz	
Cooling capacity	*1	kW		118.0			124.0		
Nominal)		BTU/h		402,600		423,100			
	Power input	kW		34.10		35.53			
	EER	kW/kW	3.46			3.49			
	EER (ErP)+	kW/kW		4.02			3.89		
emp. range of	Indoor	W.B.	1	5.0~24.0 °C (59~75 °F	=)	1	5.0~24.0 °C (59~75 °F	-)	
ooling	Outdoor	D.B.	-{	5.0~52.0 °C (23~126 °I	F)	-5	5.0~52.0 °C (23~126 °l	F)	
Heating capacity *2 kW		kW		132.0			140.0		
(Max) Power input COP COP (ErP)*		BTU/h		450,400			477,700		
		kW		35.86			37.43		
		kW/kW		3.68			3.74		
		kW/kW	3.96			3.96			
(Nominal) *3 kW BTU/h		kW		118.0			124.0		
		BTU/h	402,600			423,100			
	Power input	kW	26.10 4.52			27.74 4.47			
	COP	kW/kW							
emp. range of	Indoor	D.B.	1	5.0~27.0 °C (59~81 °F	=)	15.0~27.0 °C (59~81 °F)			
eating	Outdoor	W.B.	-:	20.0~15.5 °C (-4~60 °F	=)	-:	20.0~15.5 °C (-4~60 °F	=)	
ndoor unit	Total capacity		50~1	30% of outdoor unit ca	pacity	50~130% of outdoor unit capacity			
onnectable	Model / Quantity			P15~P250/3~50			P15~P250/3~50		
Sound pressure I	evel	dB <a>		68.5 / 70.5			68.5 / 70.0		
measured in and	echoic room) *4	UB <a>		00.3770.3			00.3770.0		
Sound power leve		-ID 4.5		86.0 / 89.5			86.0 / 89.0		
measured in and	choic room) *4	dB <a>		00.07 09.5			00.0 / 09.0		
efrigerant piping	Liquid pipe	mm (in.)	19.05(3/4) Brazed			19.05(3/4) Brazed			
iameter	Gas pipe	mm (in.)		41.28 (1-5/8) Brazed			41.28 (1-5/8) Brazed		
Set Model									
/lodel			PUHY-P250YNW-A (-BS)	PUHY-P400YNW-A (-BS)	PUHY-P400YNW-A (-BS)	PUHY-P350YNW-A (-BS)	PUHY-P350YNW-A (-BS)	PUHY-P400YNW-A (-	
AN	Type x Quantity		Propeller fan x 1	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x	
	Air flow rate	m³/min	185	300	300	270	270	300	
	1			F 000	F 000	4.500	4.500	5.000	

Set Model								
Model			PUHY-P250YNW-A (-BS)	PUHY-P400YNW-A (-BS)	PUHY-P400YNW-A (-BS)	PUHY-P350YNW-A (-BS)	PUHY-P350YNW-A (-BS)	PUHY-P400YNW-A (-BS)
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Air flow rate		185	300	300	270	270	300
		L/s	3,083	5,000	5,000	4,500	4,500	5,000
		cfm	6,532	10,593	10,593	9,534	9,534	10,593
	Control, Driving m	echanism	Inverter-control, Direct-driven by motor			Inverter	-control, Direct-driven b	by motor
	Motor output	kW	0.92 x 1	0.46 x 2	0.46 x 2	0.46 x 2	0.46 x 2	0.46 x 2
*5	External static pr	ess.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
Compressor	Туре		Inverte	er scroll hermetic comp	ressor	Inverte	er scroll hermetic comp	ressor
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	7.0	10.9	10.9	9.8	9.8	10.9
	Case heater	kW	-	-	-	-	-	-
External finish			Pre-co	ated galvanized steel:	sheets	Pre-coated galvanized steel sheets		
			(+powder coating for -BS type)			(+powder coating for -BS type)		
			<munsell 1="" 5y="" 8="" or="" similar=""></munsell>			<munsell 1="" 5y="" 8="" or="" similar=""></munsell>		
External dimensio	n HxWxD	mm	1,858 (1,798 without	1,858 (1,798 without	1,858 (1,798 without	1,858 (1,798 without	1,858 (1,798 without	1,858 (1,798 without
		1111111	legs) x 920 x 740	legs) x 1,240 x 740	legs) x 1,240 x 740	legs) x 1,240 x 740	legs) x 1,240 x 740	legs) x 1,240 x 740
		in.	73-3/16 (70-13/16 without	73-3/16 (70-13/16 without	73-3/16 (70-13/16 without	73-3/16 (70-13/16 without	73-3/16 (70-13/16 without	73-3/16 (70-13/16 without
		In.	legs) x 36-1/4 x 29-3/16	legs) x 48-7/8 x 29-3/16	legs) x 48-7/8 x 29-3/16	legs) x 48-7/8 x 29-3/16	legs) x 48-7/8 x 29-3/16	legs) x 48-7/8 x 29-3/16
Protection	High pressure pr	otection	High pressure sensor	High pressure switch	at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		
devices	Inverter circuit (CO	MP./FAN)	Over-heat p	protection, Over-curren	t protection	Over-heat	protection, Over-curren	t protection
	Compressor		-	-	-	-	-	-
	Fan motor		-	-	-	-	-	-
Refrigerant	Type x original ch	narge	R410A x 6.5 kg (15 lbs)	R410A x 9.8 kg (22 lbs)	R410A x 9.8 kg (22 lbs)	R410A x 9.8 kg (22 lbs)	R410A x 9.8 kg (22 lbs)	R410A x 9.8 kg (22 lbs)
Net weight		kg (lbs)	225 (497)	278 (613)	278 (613)	278 (613)	278 (613)	278 (613)
Heat exchanger				sistant cross fin & copp			sistant cross fin & copp	
Pipe between unit	Liquid pipe	mm (in.)	9.52 (3/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	15.88 (5/8) Brazed
and distributor	Gas pipe	mm (in.)	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed
Optional parts			Outdoor	Twinning kit: CMY-Y3	00VBK3	Outdoor Twinning kit: CMY-Y300VBK3		
			Head	der: CMY-Y104/108/10	10-G	Head	der: CMY-Y104/108/10	10-G

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2) + ErP Lot 21/6 calculation method to EN14825

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB	35°C DB/24°C WB	7.5m (24-9/16ft.)	0m (0ft.)
	(81°F DB/66°F WB)	(95°F DB/75°F WB)	(= 1 5 1 5 1 1)	(5)
Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

*3 Nominal heating conditions (subject to JIS B8615-2) Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)



Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmHzO, 6.1 mmHzO, 8.2 mmHzO).

Consult your dealer about the specification when setting External static pressure option.

*Due to continuing improvement, above specification may be subject to change without notice.

PUHY-P YSNW-A(-BS)



Specifications

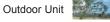
Power source	Model		PUHY-P1150YSNW-A (-BS)			PUHY-P1200YSNW-A (-BS)		
			3-phase 4-wire 380-400-415 V 50/60 Hz			3-phase 4-wire 380-400-415 V 50/60 Hz		
Cooling capacity *1 kW		ν\Λ/	130.0		J-priase	136.0	30/00 112	
(Nominal)	'	BTU/h		443,600			464,000	
(Norminal)	Power input	kW	37.9 3.43			40.35		
	EER	A					3.37	
	EER (ErP)+	kW/kW				3.81		
Temp. range of	Indoor	W.B.	1	5.0~24.0 °C (59~75 °F	-)	1	5.0~24.0 °C (59~75 °F	-)
cooling	Outdoor	D.B.		5.0~52.0 °C (23~126 °F			5.0~52.0 °C (23~126 °I	
Heating capacity	*2		145.0			150.0	· /	
(Max)		BTU/h				511,800		
,	Power input	kW	39.94				42.37	
COP		А		3.63			3.54	
	COP (ErP)+	kW/kW		3.78			3.62	
(Nomina	1) *3	kW		130.0			136.0	
Ι'		BTU/h		443,600			464,000	
	Power input	kW		29.68			31.62	
	COP	kW/kW		4.38			4.30	
	TO THE PARTY OF TH							
Temp. range of	Indoor	D.B.		5.0~27.0 °C (59~81 °F			5.0~27.0 °C (59~81 °F	
heating	Outdoor	W.B.		20.0~15.5 °C (-4~60 °F			20.0~15.5 °C (-4~60 °F	
Indoor unit	Total capacity		50~1	30% of outdoor unit cap	pacity	50~13	30% of outdoor unit ca	pacity
connectable	Model / Quantity			P15~P250/3~50			P15~P250/3~50	
Sound pressure le (measured in ane		dB <a>		69.0 / 71.0			70.0 / 72.0	
Sound power leve (measured in ane	Sound power level measured in anechoic room) *4 dB <a>		86.5 / 90.0		87.5 / 91.0			
Refrigerant piping		mm (in.)	19.05(3/4) Brazed		19.05(3/4) Brazed			
diameter	Gas pipe	mm (in.)		41.28 (1-5/8) Brazed			41.28 (1-5/8) Brazed	
Set Model								
Model			PUHY-P350YNW-A (-BS)	PUHY-P400YNW-A (-BS)	PUHY-P400YNW-A (-BS)	PUHY-P400YNW-A (-BS)	PUHY-P400YNW-A (-BS)	PUHY-P400YNW-A (-BS)
FAN	Type x Quantity		Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Air flow rate	m³/min	270	300	300	300	300	300
		L/s	4,500	5,000	5,000	5,000	5,000	5,000
		cfm	9,534	10,593	10,593	10,593	10,593	10,593
	Control, Driving m	echanism		-control, Direct-driven b			-control, Direct-driven I	
	Motor output	kW	0.46 x 2	0.46 x 2	0.46 x 2	0.46 x 2	0.46 x 2	0.46 x 2
*5	External static pr	ess.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
Compressor	Туре		Inverte	er scroll hermetic comp	ressor	Inverte	er scroll hermetic comp	ressor
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	9.8	10.9	10.9	10.9	10.9	10.9
	Case heater	kW	-	-	-	-	-	-
External finish				pated galvanized steel			ated galvanized steel	
				owder coating for -BS t			owder coating for -BS t	
				UNSELL 5Y 8/1 or simi			JNSELL 5Y 8/1 or sim	
External dimension	n HxWxD	mm		1,858 (1,798 without			1,858 (1,798 without	
			legs) x 1,240 x 740	legs) x 1,240 x 740	legs) x 1,240 x 740	legs) x 1,240 x 740	legs) x 1,240 x 740	legs) x 1,240 x 740
			73-3/16 (70-13/16 without	73-3/16 (70-13/16 without		73-3/16 (70-13/16 without		
	lue i	in.	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	legs) x 48-7/8 x 29-3/16	legs) x 48-7/8 x 29-3/16
Protection	High pressure pr	in.	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch	legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi)	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor	legs) x 48-7/8 x 29-3/16 , High pressure switch	legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi)
Protection devices	Inverter circuit (CO	in.	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor Over-heat	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi)	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor Over-heat p	legs) x 48-7/8 x 29-3/16	legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi)
	Inverter circuit (CO Compressor	in.	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch	legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi)	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor	legs) x 48-7/8 x 29-3/16 , High pressure switch	legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi)
devices	Inverter circuit (CO Compressor Fan motor	in. otection MP./FAN)	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor Over-heat -	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 , High pressure switch protection, Over-curren -	legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi) t protection -	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor Over-heat p	legs) x 48-7/8 x 29-3/16 , High pressure switch protection, Over-currer - -	legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi) at protection
devices Refrigerant	Inverter circuit (CO Compressor	in. otection MP./FAN) marge	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor Over-heat - R410A x 9.8 kg (22 lbs)	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 , High pressure switch protection, Over-curren - - R410A x 9.8 kg (22 lbs)	legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi) tt protection - - R410A x 9.8 kg (22 lbs)	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor Over-heat p	legs) x 48-7/8 x 29-3/16 , High pressure switch protection, Over-currer - - R410A x 9.8 kg (22 lbs)	legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi) at protection - - R410A x 9.8 kg (22 lbs)
Refrigerant Net weight	Inverter circuit (CO Compressor Fan motor	in. otection MP./FAN)	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor Over-heat - R410A x 9.8 kg (22 lbs) 278 (613)	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 ; High pressure switch protection, Over-curren - R410A x 9.8 kg (22 lbs) 278 (613)	legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi) it protection - R410A x 9.8 kg (22 lbs) 278 (613)	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor Over-heat p - R410A x 9.8 kg (22 lbs) 278 (613)	legs) x 48-7/8 x 29-3/16 , High pressure switch protection, Over-currer - - R410A x 9.8 kg (22 lbs) 278 (613)	legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi) tt protection - R410A x 9.8 kg (22 lbs) 278 (613)
Refrigerant Net weight Heat exchanger	Inverter circuit (CO Compressor Fan motor Type x original ch	in. otection MP./FAN) marge kg (lbs)	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor Over-heat 1 R410A x 9.8 kg (22 lbs) 278 (613) Salt-re:	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16; High pressure switch protection, Over-curren	legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi) it protection 	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor Over-heat pro R410A x 9.8 kg (22 lbs) 278 (613) Salt-res	legs) x 48-7/8 x 29-3/16 , High pressure switch protection, Over-currer - R410A x 9.8 kg (22 lbs) 278 (613) sistant cross fin & copp	legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi) nt protection - R410A x 9.8 kg (22 lbs) 278 (613)
Refrigerant Net weight Heat exchanger Pipe between unit	Inverter circuit (CO Compressor Fan motor Type x original ct	in. otection MP./FAN) marge kg (lbs) mm (in.)	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor Over-heat	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16; High pressure switch protection, Over-curren - R410A x 9.8 kg (22 lbs) 278 (613) sistant cross fin & copp 15.88 (5/8) Brazed	legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi) t protection - - R410A x 9.8 kg (22 lbs) 278 (613) ver tube 15.88 (5/8) Brazed	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor Over-heat p R410A x 9.8 kg (22 lbs) 278 (613) Salt-res 15.88 (5/8) Brazed	legs) x 48-7/8 x 29-3/16 , High pressure switch protection, Over-currer 	legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi) at protection - R410A x 9.8 kg (22 lbs) 278 (613) per tube 15.88 (5/8) Brazed
Refrigerant Net weight Heat exchanger Pipe between unit and distributor	Inverter circuit (CO Compressor Fan motor Type x original ch	in. otection MP./FAN) marge kg (lbs)	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor Over-heat 1	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 , High pressure switch protection, Over-curren	legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi) t protection 	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor Over-heat r 	legs) x 48-7/8 x 29-3/16 , High pressure switch protection, Over-currer 	legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi) at protection
Refrigerant Net weight Heat exchanger Pipe between unit	Inverter circuit (CO Compressor Fan motor Type x original ct	in. otection MP./FAN) marge kg (lbs) mm (in.)	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor Over-heat 1	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16; High pressure switch protection, Over-curren - R410A x 9.8 kg (22 lbs) 278 (613) sistant cross fin & copp 15.88 (5/8) Brazed	legs) x ⁴ 8-7/8 x 29-3/16 at 4.15 MPa (601 psi) t protection 	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor Over-heat p - R410A x 9.8 kg (22 lbs) 278 (613) Salt-res 15.88 (5/8) Brazed 28.58 (1-1/8) Brazed Outdoor	legs) x 48-7/8 x 29-3/16 , High pressure switch protection, Over-currer 	legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi) th protection

Notes:

^{*1,*2} Nominal conditions (subject to JIS B8615-2) + ErP Lot 21/6 calculation method to EN14825

	Indoor	Outdoor	Pipe length	Level difference	
Cooling	27°C DB/19°C WB	35°C DB/24°C WB	7.5m (24-9/16ft.)	0m (0ft.)	
Cooling	(81°F DB/66°F WB)	(95°F DB/75°F WB)	7.5111 (24-9/1011.)	om (or.)	
Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)	

^{*3} Nominal heating conditions (subject to JIS B8615-2) Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)



<sup>Pipe lengin: 7.5 in (24-9) to 1.5, Exerci sinesciolo. 7 in (24-9)

Curovent registered

Cooling mode / Heating mode

Society of the static pressure option is available (30 Pa, 80 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O). Consult your dealer about the specification when setting External static pressure option.

Due to continuing improvement, above specification may be subject to change without notice.</sup>

PUHY-P YSNW-A(-BS)



Specifications

Model				IHY-P1250YSNW-A (-E			HY-P1300YSNW-A (-E		
Power source			3-phase	4-wire 380-400-415 V	50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz			
Cooling capacity		*1 kW		140.0			146.0		
(Nominal)		BTU/h		477,700			498,200		
	Power input	kW	41.91			44.10			
	EER	kW/kW		3.34	3.34		3.31		
	EER (ErP)+	kW/kW		3.87		3.92			
Temp. range of	Indoor	W.B.	15.0~24.0 °C (59~75 °F)		1	5.0~24.0 °C (59~75 °F	:)		
cooling	Outdoor	D.B.	-5.0~52.0 °C (23~126 °F)			5.0~52.0 °C (23~126 °F			
Heating capacity	1000000	*2 kW	156.5			163.0	/		
(Max)		BTU/h				556,200			
(max)	Power input	kW		45.23			48.08		
	COP kW/kW		3.46			3.39			
	COP (ErP)+	kW/kW		3.78			3.92		
(Nomina		*3 kW		140.0			146.0		
(1401111110	41)	BTU/h		477,700			498,200		
	Power input	kW		32.11			33.10		
	COP	kW/kW		4.36			4.41		
	COP	KVV/KVV		4.30			4.41		
Temp. range of	Indoor	D.B.	1	5.0~27.0 °C (59~81 °F	1		5.0~27.0 °C (59~81 °F	:)	
heating	Outdoor	W.B.		20.0~27.0 C (59~81 F			20.0~15.5 °C (-4~60 °F		
Indoor unit	Total capacity			30% of outdoor unit ca			30% of outdoor unit ca		
connectable	Model / Quan		50~ I		pacity	50~1	P15~P250/3~50	pacity	
Sound pressure le		iity		P15~P250/3~50			P15~P250/3~50		
(measured in ane	choic room)	*4 dB <a>		70.0 / 73.0			70.0 / 73.5		
	Sound power level measured in anechoic room) *4 dB <a>		87.5 / 92.0		88.0 / 92.5				
Refrigerant piping		mm (in.)	19.05(3/4) Brazed			19.05(3/4) Brazed		
diameter	Gas pipe	mm (in.		41.28 (1-5/8) Brazed			41.28 (1-5/8) Brazed		
Set Model	Jour Pipe	1	/ !	(, .)		J.	(, .,		
Model			PUHY-P400YNW-A (-BS)	PUHY-P400YNW-A (-BS)	PUHY-P450YNW-A (-BS)	PUHY-P400YNW-A (-BS)	PUHY-P450YNW-A (-BS)	PUHY-P450YNW-A (-BS)	
FAN	Type x Quanti	tv	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	
	Air flow rate	m³/min		300	305	300	305	305	
		L/s	5.000	5.000	5.083	5,000	5.083	5,083	
		cfm	10.593	10.593	10,770	10,593	10.770	10.770	
	Control, Driving			-control, Direct-driven I			-control, Direct-driven b		
	Motor output	kW	0.46 x 2	0.46 x 2	0.46 x 2	0.46 x 2	0.46 x 2	0.46 x 2	
*5	External station		0 Pa (0 mmH₂O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	
		press.		er scroll hermetic comp			er scroll hermetic comp		
Compressor	Type Starting metho	- d	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	
		kW		10.9	12.4	10.9	12.4	12.4	
	Motor output	I KVV	10.9						
		1.347					12.4		
		kW		-	-	-	-	-	
External finish	Case heater	kW	Pre-co	- pated galvanized steel	- sheets	- Pre-co	- pated galvanized steel	- sheets	
External finish	Case heater	kW	Pre-co (+po	- pated galvanized steel pwder coating for -BS t	sheets ype)	Pre-co (+po	- pated galvanized steel pwder coating for -BS t	sheets ype)	
		kW	Pre-cc (+po <m< td=""><td>- pated galvanized steel pwder coating for -BS t UNSELL 5Y 8/1 or simi</td><td>sheets ype) ilar></td><td>Pre-cc (+pc <m< td=""><td>- pated galvanized steel pwder coating for -BS t UNSELL 5Y 8/1 or simi</td><td>- sheets ype) lar></td></m<></td></m<>	- pated galvanized steel pwder coating for -BS t UNSELL 5Y 8/1 or simi	sheets ype) ilar>	Pre-cc (+pc <m< td=""><td>- pated galvanized steel pwder coating for -BS t UNSELL 5Y 8/1 or simi</td><td>- sheets ype) lar></td></m<>	- pated galvanized steel pwder coating for -BS t UNSELL 5Y 8/1 or simi	- sheets ype) lar>	
			Pre-cc (+pr <mi 1,858 (1,798 without</mi 	- pated galvanized steel pwder coating for -BS t UNSELL 5Y 8/1 or simi 1,858 (1,798 without	- sheets ype) ilar> 1,858 (1,798 without	- Pre-cc (+pc <m 1,858 (1,798 without</m 	- pated galvanized steel	- sheets ype) lar> 1,858 (1,798 without	
		kW	Pre-cc (+pc <mi 1,858 (1,798 without legs) x 1,240 x 740</mi 	- pated galvanized steel pwder coating for -BS t UNSELL 5Y 8/1 or simi 1,858 (1,798 without legs) x 1,240 x 740	- sheets ype) ilar> 1,858 (1,798 without legs) x 1,240 x 740	- Pre-cc (+pr <m 1,858 (1,798 without legs) x 1,240 x 740</m 	- pated galvanized steel steel steel conder coating for -BS t UNSELL 5Y 8/1 or simi 1,858 (1,798 without legs) x 1,240 x 740	- sheets ype) lar> 1,858 (1,798 without legs) x 1,240 x 740	
		mm	Pre-cc (+pc <mi 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without</mi 	- pated galvanized steel pwder coating for -BS t UNSELL 5Y 8/1 or sim 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without	- sheets ype) ilar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without	- Pre-cc (+pr <m 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without</m 	- pated galvanized steel	- sheets ype) lar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without	
External dimensio	on HxWxD	mm in.	Pre-cc (+pc <mi 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16</mi 	pated galvanized steel bwder coating for -BS t UNSELL 5Y 8/1 or simi 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	- sheets ype) lar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	- Pre-cc (+pr <m 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16</m 	pated galvanized steel swder coating for -BS trunsELL 5Y 8/1 or simil 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	- sheets ype) lar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	
External dimension	n HxWxD	mm in.	Pre-cc (+pc <mi 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor</mi 	pated galvanized steel wowder coating for -BS to UNSELL SY 8/1 or simil 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16, High pressure switch	-sheets ype) ilar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi)	- Pre-cc (+pc (+pc (+pc (+pc (+pc (+pc (+pc (+	pated galvanized steel sweder coating for -BS to UNSELL 5Y 8/1 or simil 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16. High pressure switch	- sheets ype) lar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi)	
External dimension	n HxWxD High pressure	mm in.	Pre-cc (+pc <mi 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor</mi 	pated galvanized steel bwder coating for -BS t UNSELL 5Y 8/1 or simi 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	-sheets ype) ilar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi)	- Pre-cc (+pc (+pc (+pc (+pc (+pc (+pc (+pc (+	pated galvanized steel swder coating for -BS trunsELL 5Y 8/1 or simil 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	- sheets ype) lar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi)	
External dimension	High pressure Inverter circuit (Compressor	mm in.	Pre-cc (+pc <mi 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor</mi 	pated galvanized steel wowder coating for -BS to UNSELL SY 8/1 or simil 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16, High pressure switch	-sheets ype) ilar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi)	- Pre-cc (+pc (+pc (+pc (+pc (+pc (+pc (+pc (+	pated galvanized steel sweder coating for -BS to UNSELL 5Y 8/1 or simil 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16. High pressure switch	- sheets ype) lar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi)	
External dimension	High pressure Inverter circuit (Compressor Fan motor	in.	Pre-cc (+pc (+pc (+pc (+pc (+pc (+pc (+pc (+	Janeted galvanized steel owder coating for -BS to UNSELL SY 8/1 or simil 1,858 (1,798 without legs) x 1,240 x 740 173-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 , High pressure switch protection, Over-currer	- sheets ype) lar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-78 x 29-3/16 at 4.15 MPa (601 psi) tt protection	- Pre-ct (+pt (+pt - 1858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor Over-heat	nated galvanized steel budger coating for -BS to UNSELL 5Y 8/1 or simil 1,858 (1,798 without legs) x 1,240 x 740 173-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 to The correction, Over-curren -	- sheets - sheets ype) lar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-78 x 29-3/16 at 4.15 MPa (601 psi) t protection	
External dimension Protection devices	High pressure Inverter circuit (Compressor	in.	Pre-cc (+pc (+pc (+pc (+pc (+pc (+pc (+pc (+	pated galvanized steel wowder coating for -BS to UNSELL SY 8/1 or simil 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16, High pressure switch	- sheets ypee) ylar 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi) tt protection - R410A x 10.8 kg (24 lbs)	- Pre-ct (+pt (+pt - 1858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor Over-heat	pated galvanized steel sweder coating for -BS to UNSELL 5Y 8/1 or simil 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 thigh pressure switch protection, Over-curren - R410A x 10.8 kg (24 lbs)	- sheets ype) lar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi) t protection - R410A x 10.8 kg (24 lbs	
External dimension Protection devices Refrigerant	High pressure Inverter circuit (Compressor Fan motor	in.	Pre-cc (+pc (+pc (+pc (+pc (+pc (+pc (+pc (+	Janeted galvanized steel owder coating for -BS to UNSELL SY 8/1 or simil 1,858 (1,798 without legs) x 1,240 x 740 173-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 , High pressure switch protection, Over-currer	- sheets ype) lar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-78 x 29-3/16 at 4.15 MPa (601 psi) tt protection	- Pre-ct (+pt (+pt - 1858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor Over-heat	nated galvanized steel budger coating for -BS to UNSELL 5Y 8/1 or simil 1,858 (1,798 without legs) x 1,240 x 740 173-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 to The correction, Over-curren -	- sheets - sheets sype) lar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-78 x 29-3/16 at 4.15 MPa (601 psi) t protection	
External dimensic Protection devices Refrigerant Net weight	High pressure Inverter circuit (Compressor Fan motor	mm in. protection COMP./FAN	Pre-cc (+pv M 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor Over-heat R410A x 9.8 kg (22 lbs) 278 (613)	parted galvanized steel wowder coating for -BS to UNSELL SY 8/1 or simil 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 thigh pressure switch protection, Over-currer -R410A x 9.8 kg (22 lbs)	- sheets ype) liar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi) it protection	- Pre-cc (+pr (+pr (+pr (+pr (+pr (+pr (+pr (+pr	pated galvanized steel sweder coating for -BS to UNSELL 5Y 8/1 or simil 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 thigh pressure switch protection, Over-curren - R410A x 10.8 kg (24 lbs)	- sheets ypets ypet ypet ypet ypet ypet ypet ypet ypet	
External dimensic Protection devices Refrigerant Net weight Heat exchanger	High pressure Inverter circuit (Compressor Fan motor Type x origina	mm in. protection COMP./FAN	Pre-cc (+pc (+pc)	Janeted galvanized steel owder coating for -BS to UNSELL SY 8/1 or simil 1,858 (1,798 without legs) x 1,240 x 740 r3-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 reportection, Over-currer legs of the correction of the correct	- ssheets ype) lar- 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi) at the protection - R410A x 10.8 kg (24 lbs) 294 (649) wer tube	- Pre-ct (+pt (+pt (+pt (+pt (+pt (+pt (+pt (+p	paneted galvanized steel obuder coating for -BS to UNSELL 5Y 8/1 or simil 1,858 (1,798 without legs) x 1,240 x 740 r 3-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 , High pressure switch protection, Over-curren results of the coat	- sheets ype) lar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi) t protection	
External dimensic Protection devices Refrigerant Net weight Heat exchanger Pipe between unit	High pressure Inverter circuit (Compressor Fan motor Type x original Liquid pipe	mm in. protection COMP./FAN I charge kg (lbs)	Pre-cc (+pc (+pc (+pc (+pc (+pc (+pc (+pc (+	- valued galvanized steel budger coating for -BS to UNSELL SY 8/1 or simil 1,858 (1,798 without legs) x 1,240 x 740 r3-3/16 (70-13/16 without legs) x 48-78 x 29-3/16 r4 High pressure switch protection, Over-currer - R410A x 9.8 kg (22 lbs) 278 (613) sistant cross fin & copp 15.88 (5/8) Brazed	- sheets ype) lar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-78 x 29-3/16 at 4.15 MPa (601 psi) tt protection - R410A x 10.8 kg (24 lbs) 294 (649) ver tube 15.88 (5/8) Brazed	- Pre-ct (+pt (+pt (+pt (+pt (+pt (+pt (+pt (+p	anated galvanized steel budder coating for -BS to UNSELL 5Y 8/1 or simil 1,858 (1,798 without legs) x 1,240 x 740 r3-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 r3-16 r3-	- sheets ype) lar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-78 x 29-3/16 at 4.15 MPa (601 psi) t protection - R410A x 10.8 kg (24 lbs) 294 (649) ere tube 15.88 (5/8) Brazed	
External dimensic Protection devices Refrigerant Net weight Heat exchanger	High pressure Inverter circuit (Compressor Fan motor Type x origina	mm in. protection COMP./FAN	Pre-cc (+pc (+pc (+pc (+pc (+pc (+pc (+pc (+	Janeted galvanized steel owder coating for -BS to UNSELL SY 8/1 or simil 1,858 (1,798 without legs) x 1,240 x 740 r3-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 reportection, Over-currer legs of the correction of the correct	- sheets ype) lar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-78 x 29-3/16 at 4.15 MPa (601 psi) tt protection - R410A x 10.8 kg (24 lbs) 294 (649) eer tube 15.88 (5/8) Brazed 28.58 (1-1/8) Brazed	- Pre-cc (+pc (+pc (+pc (+pc (+pc (+pc (+pc (+	paneted galvanized steel obuder coating for -BS to UNSELL 5Y 8/1 or simil 1,858 (1,798 without legs) x 1,240 x 740 r 3-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 , High pressure switch protection, Over-curren results of the coat	- sheets ype) lar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi) t protection - R410A x 10.8 kg (24 lbs) 294 (649) er tube 15.88 (5/8) Brazed 28.58 (1-1/8) Brazed	

Notes:

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)
	(81°F DB/00°F WB)	(95°F DB//5°F WB)		
Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

^{*3} Nominal heating conditions (subject to JIS B8615-2) Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

Consult your dealer about the specification when setting External static pressure option. *Due to continuing improvement, above specification may be subject to change without notice.



Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O).

PUHY-P YSNW-A(-BS)



Specifications

Model			PUHY-P1350YSNW-A (-BS)
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity *1 kW		kW	150.0
(Nominal)		BTU/h	511,800
	Power input	kW	45.73
	EER	kW/kW	3.28
	EER (ErP)*	kW/kW	3.97
Temp. range	of Indoor	W.B.	15.0~24.0 °C (59~75 °F)
cooling	Outdoor	D.B.	-5.0~52.0 °C (23~126 °F)
Heating capa	city *2	kW	168.0
(Max)		BTU/h	573,200
	Power input	kW	50.60
	COP	Α	3.32
	COP (ErP)+	kW/kW	4.05
(No	minal) *3	kW	150.0
		BTU/h	511,800
	Power input	kW	33.63
	COP	kW/kW	4.46
Temp. range	of Indoor	D.B.	15.0~27.0 °C (59~81 °F)
heating	Outdoor	W.B.	-20.0~15.5 °C (-4~60 °F)
Indoor unit	Total capacity		50~130% of outdoor unit capacity
connectable	Model / Quantity		P15~P250/3~50
Sound pressu	ure level	ID A	705/745
(measured in	anechoic room) *4	dB <a>	70.5 / 74.5
Sound power		-ID -tt:	88.5 / 93.5
(measured in	anechoic room) *4	dB <a>	86.5 / 93.5
Refrigerant pi	iping Liquid pipe	mm (in.)	19.05(3/4) Brazed
diameter	Gas pipe	mm (in.)	41.28 (1-5/8) Brazed
Set Model		,	

Set Model				· ·	·	
Model			PUHY-P450YNW-A (-BS)	PUHY-P450YNW-A (-BS)	PUHY-P450YNW-A (-BS)	
FAN	Type x Quantity		Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	
	Air flow rate	m³/min	305	305	305	
		L/s	5,083	5,083	5,083	
		cfm	10,770	10,770	10,770	
	Control, Driving r	nechanism		Inverter-control, Direct-driven by motor		
	Motor output	kW	0.46 x 2	0.46 x 2	0.46 x 2	
*!	5 External static p	ress.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	
Compressor	Туре		,	Inverter scroll hermetic compressor		
	Starting method		Inverter	Inverter	Inverter	
	Motor output	kW	12.4	12.4	12.4	
	Case heater	kW	-	-	-	
External finish			Pre-coated galvanized steel sheets	Pre-coated galvanized steel sheets	Pre-coated galvanized steel sheets	
			(+powder coating for -BS type)	(+powder coating for -BS type)	(+powder coating for -BS type)	
			<munsell 1="" 5y="" 8="" or="" similar=""></munsell>	<munsell 1="" 5y="" 8="" or="" similar=""></munsell>	<munsell 1="" 5y="" 8="" or="" similar=""></munsell>	
External dimension	on HxWxD	mm	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	
		in.	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/1	
Protection	High pressure p	rotection	High pressure sensor, High pressure switch			
devices			at 4.15 MPa (601 psi)	at 4.15 MPa (601 psi)	at 4.15 MPa (601 psi)	
	Inverter circuit (Co	OMP./FAN)	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection	
	Compressor		-	-	-	
	Fan motor		-	-	-	
Refrigerant	Type x original of	harge	R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)	
Net weight		kg (lbs)	294 (649)	294 (649)	294 (649)	
Heat exchanger				Salt-resistant cross fin & copper tube		
Pipe between uni	it Liquid pipe	mm (in.)	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	
and distributor	Gas pipe	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	
Optional parts			Outdoor Twinning kit: CMY-Y300VBK3 Header: CMY-Y104/108/1010-G			

Notes:

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

^{*3} Nominal heating conditions (subject to JIS B8615-2) Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)





Eurovent registered

4 Cooling mode / Heating mode

5 External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

*Due to continuing improvement, above specification may be subject to change without notice.

PUHY-EP YNW-A(-BS)



Specifications

Model			PUHY-EP200YNW-A (-BS)	PUHY-EP250YNW-A (-BS)	PUHY-EP300YNW-A (-BS)
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity	*1	kW	22.4	28.0	33.5
(Nominal)		BTU/h	76.400	95.500	114.300
,	Power input	kW	5.07	6.73	8.52
	EER	kW/kW	4.41	4.16	3.93
	EER (ErP)+	kW/kW	5.60	5.10	4.81
Temp. range of	Indoor	W.B.	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)
cooling Outdoor D.B.			-5.0~52.0 °C (23~126 °F)	-5.0~52.0 °C (23~126 °F)	-5.0~52.0 °C (23~126 °F)
Heating capacity	*2		25.0 31.5		37.5
(Max)	2	BTU/h	85,300	107,500	128,000
(IVIAX)	Power input	kW	5.35	7.01	8.78
	COP	kW/kW	4.67	4.49	4.27
[41.1	COP (ErP) ⁺	kW/kW	5.55	5.37	4.99
(Nomina	al) *3	kW	22.4	28.0	33.5
		BTU/h	76,400	95,500	114,300
	Power input	kW	3.86	5.06	6.25
	COP	kW/kW	5.80	5.53	5.36
Temp. range of	Indoor	D.B.	15.0~27.0 °C (59~81 °F)	15.0~27.0 °C (59~81 °F)	15.0~27.0 °C (59~81 °F)
heating	Outdoor	W.B.	-20.0~15.5 °C (-4~60 °F)	-20.0~15.5 °C (-4~60 °F)	-20.0~15.5 °C (-4~60 °F)
Indoor unit	Total capacity	VV.D.	50~130% of outdoor unit capacity	50~130% of outdoor unit capacity	50~130% of outdoor unit capacity
connectable	Model / Quantity		P15~P250/1~17	P15~P250/1~21	P15~P250/1~26
			P15~P250/1~17	P15~P250/1~21	P15~P250/1~26
Sound pressure le (measured in ane	choic room) *4	dB <a>	58.0 / 59.0	60.0 / 61.0	61.0 / 64.5
Sound power leve (measured in ane		dB <a>	75.0 / 78.0	78.0 / 80.0	80.0 / 83.5
Refrigerant piping diameter	Liquid pipe	mm (in.)	9.52 (3/8) Brazed	9.52 (3/8) Brazed (12.7 (1/2) Brazed, farthest length >= 90 m)	9.52 (3/8) Brazed (12.7 (1/2) Brazed, farthest length >= 40 m)
didiffotol	Gas pipe	mm (in.)	22.2 (7/8) Brazed	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1
1744	Air flow rate	m³/min	170	185	240
	7 til How rate	L/s	2.833	3,083	4.000
		cfm	6.003	6,532	8,474
	Control, Driving m		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.92 x 1	0.92 x 1	0.92 x 1
*5	External static pr		0.92 X 1 0 Pa (0 mmH₂O)	0.92 X 1 0 Pa (0 mmH ₂ O)	0.92 X 1 0 Pa (0 mmH ₂ O)
Compressor	-	ess.	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
Compressor	Type Starting method		Inverter	Inverter scroil hermetic compressor	
		1.147			Inverter
	Motor output	kW	5.6	7.0	7.9
E	Case heater	kW	-	-	-
External finish			Pre-coated galvanized steel sheets	Pre-coated galvanized steel sheets	Pre-coated galvanized steel sheets
			(+powder coating for -BS type) <munsell 1="" 5y="" 8="" or="" similar=""></munsell>	(+powder coating for -BS type) <munsell 1="" 5y="" 8="" or="" similar=""></munsell>	(+powder coating for -BS type) <munsell 1="" 5y="" 8="" or="" similar=""></munsell>
External dimension	n HyWyD	mm	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 920 x 740
External aimenoid	ATTIX VVXD	in.		73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	
Protection devices	High pressure pr			High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	
uevices	Inverter circuit (CO	MD/FΔNI\	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection
	Compressor	ivii:./1 AIN)	Over-near protection, Over-current protection	Over-near protection, Over-current protection	Over-near protection, Over-current protection
			-	-	-
Defiles	Fan motor				
Refrigerant	Type x original cl		R410A x 6.5 kg (15 lbs)	R410A x 6.5 kg (15 lbs)	R410A x 6.5 kg (15 lbs)
Net weight		kg (lbs)	231 (510)	231 (510)	235 (519)
Heat exchanger			Salt-resistant cross fin & aluminium tube Header: CMY-Y104/108/1010-G	Salt-resistant cross fin & aluminium tube Header: CMY-Y104/108/1010-G	Salt-resistant cross fin & aluminium tube Header: CMY-Y104/108/1010-G
Optional parts					

Notes:

^{*1,*2} Nominal conditions (subject to JIS B8615-2) + ErP Lot 21/6 calculation method to EN14825

, =	()			
	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

*3 Nominal heating conditions (subject to JIS B8615-2) Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)





Fige length: 7.5 in (24-9/16 L), Level dilletence: 0 in (0 L)

Eurovent registered

4. Cooling mode / Heating mode

5. External static pressure option is available (30 Pa, 80 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

*Due to continuing improvement, above specification may be subject to change without notice.

PUHY-EP YNW-A(-BS)



Specifications

Model				PUHY-EP350YNW-A (-BS)	PUHY-EP400YNW-A (-BS)	PUHY-EP450YNW-A (-BS)	PUHY-EP500YNW-A (-BS)
Power source				3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity		*1	kW	40.0	45.0	50.0	56.0
(Nominal)			BTU/h	136,500	153,500	170,600	191,100
	Power input		kW	10.38	12.19	13.40	16.00
	EER		kW/kW	3.85	3.69	3.73	3.50
	EER (ErP)+		kW/kW	4.57	4.30	4.50	4.51
Temp. range of	Indoor		W.B.	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)
cooling	Outdoor		D.B.	-5.0~52.0 °C (23~126 °F)	-5.0~52.0 °C (23~126 °F)	-5.0~52.0 °C (23~126 °F)	-5.0~52.0 °C (23~126 °F)
Heating capacity		*2	kW	45.0	50.0	56.0	63.0
(Max)			BTU/h	153,500	170,600	191,100	215,000
	Power input		kW	11.47	13.05	15.01	15.00
	COP		kW/kW	3.92	3.83	3.73	4.20
	COP (ErP)+		kW/kW	4.56	4.03	4.30	4.64
(Nomina	I)	*3	kW	40.0	45.0	50.0	56.0
,	,		BTU/h	136,500	153,500	170,600	191,100
	Power input		kW	8.26	9.69	10.46	11.24
	COP		kW/kW	4.84	4.64	4.78	4.98
						-	
Temp. range of	Indoor		D.B.	15.0~27.0 °C (59~81 °F)	15.0~27.0 °C (59~81 °F)	15.0~27.0 °C (59~81 °F)	15.0~27.0 °C (59~81 °F)
heating	Outdoor		W.B.	-20.0~15.5 °C (-4~60 °F)	-20.0~15.5 °C (-4~60 °F)	-20.0~15.5 °C (-4~60 °F)	-20.0~15.5 °C (-4~60 °F)
Indoor unit	Total capacity	,			50~130% of outdoor unit capacity	50~130% of outdoor unit capacity	50~130% of outdoor unit capacity
connectable	Model / Quan			P15~P250/1~30	P15~P250/1~34	P15~P250/1~39	P15~P250/1~43
Sound pressure le		uty					
(measured in ane		*4	dB <a>	62.0 / 63.5	65.0 / 65.5	65.5 / 69.5	63.5 / 66.5
Sound power leve		_					
(measured in ane		*4	dB <a>	80.5 / 82.5	82.5 / 84.5	83.5 / 88.5	82.0 / 85.5
Refrigerant piping		_	mm (in.)	12.7 (1/2) Brazed	12.7 (1/2) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed
diameter	Gas pipe	_	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed
FAN	Type x Quant	ity	111111 (111.)	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
IAN	Air flow rate		m³/min	270	270	305	365
	All llow rate		L/s	4,500	4,500	5,083	6,083
			cfm	9,534	9,534	10,770	12,888
	Control, Drivin	a m		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	y III	kW	0.46 x 2	0.46 x 2	0.46 x 2	0.92 x 2
*E	External station	o pr		0.40 X Z 0 Pa (0 mmH ₂ O)	0.46 X Z 0 Pa (0 mmH ₂ O)	0.46 X Z 0 Pa (0 mmH ₂ O)	0.92 X 2 0 Pa (0 mmH ₂ O)
		c pre	ess.	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
Compressor	Type	1		Inverter scroll nermetic compressor	Inverter scroil nermetic compressor	Inverter scroil nermetic compressor	Inverter scroil nermetic compressor
	Starting meth	ou	kW				
	Motor output Case heater		kW	9.8	10.9	12.4	13.3
Forton of Code by	Case neater		KVV	Post and advantage of the element		Post and advantage of the other state of the other	Post and advantage of advantage of
External finish				Pre-coated galvanized steel sheets	Pre-coated galvanized steel sheets	Pre-coated galvanized steel sheets (+powder coating for -BS type)	Pre-coated galvanized steel sheets (+powder coating for -BS type)
				(+powder coating for -BS type)	(+powder coating for -BS type)		
External dimensio	m LlvWvD			<munsell 1="" 5y="" 8="" or="" similar=""> 1,858 (1,798 without legs) x</munsell>	<munsell 1="" 5y="" 8="" or="" similar=""> 1,858 (1,798 without legs) x</munsell>	<munsell 1="" 5y="" 8="" or="" similar=""> 1,858 (1,798 without legs) x</munsell>	<munsell 1="" 5y="" 8="" or="" similar=""> 1,858 (1,798 without legs) x</munsell>
External dimensio	II HXVVXD		mm	1,240 x 740	1,240 x 740	1,240 x 740	1,750 x 740
					73-3/16 (70-13/16 without legs) x	73-3/16 (70-13/16 without legs) x	73-3/16 (70-13/16 without legs) x
			in.	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	48-7/8 x 29-3/16	48-7/8 x 29-3/16	68-15/16 x 29-3/16
Don't ation	I Cata and a second		. 4 4		High pressure sensor, High pressure	High pressure sensor, High pressure	High pressure sensor, High pressure
Protection devices	High pressure	e pro	otection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	switch at 4.15 MPa (601 psi)	switch at 4.15 MPa (601 psi)	switch at 4.15 MPa (601 psi)
devices	Inverter circui						
				Over-heat protection,	Over-heat protection,	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection
	(COMP./FAN)			Over-current protection	Over-current protection	Over-current protection	Over-current protection
	Compressor			-	-	-	-
Defriese	Fan motor	-1 -1		- D4404 × 0.0 lb = (00 lb =)	- D440A v 40 0 los (04 lbs)	- D440A v 40 0 los (04 lbs)	- D440A v 40 0 l - (04 lb -)
Refrigerant	Type x origina	ai ch		R410A x 9.8 kg (22 lbs)	R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)
Net weight			kg (lbs)	285 (629)	305 (673)	305 (673)	342 (754)
Heat exchanger				Salt-resistant cross fin &	Salt-resistant cross fin &	Salt-resistant cross fin &	Salt-resistant cross fin &
Otit				aluminium tube	aluminium tube	aluminium tube	aluminium tube
Optional parts				Header: CMY-Y104/108/1010-G	Header: CMY-Y104/108/1010-G	Header: CMY-Y104/108/1010-G	Header: CMY-Y104/108/1010-G

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2) + ErP Lot 21/6 calculation method to EN14825

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

*3 Nominal heating conditions (subject to JIS B8615-2) Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)





Eurovent registered

4 Cooling mode / Heating mode

5 External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

*Due to continuing improvement, above specification may be subject to change without notice.

PUHY-EP YSNW-A(-BS)



Specifications

Model			PUHY-EP400	YSNW-A (-BS)	PUHY-EP450	YSNW-A (-BS)	PUHY-EP500	YSNW-A (-BS)
Power source				400-415 V 50/60 Hz		-400-415 V 50/60 Hz		400-415 V 50/60 Hz
Cooling capacity	*1	kW	45	5.0	50	0.0	56	3.0
(Nominal)		BTU/h	153	,500	170),600	191	,100
,	Power input	kW	10	.53		2.07	13	3.89
	EER	kW/kW		27	4.	.14		03
	EER (ErP)+	kW/kW	5.	44	5.	.17	4.	95
Temp. range of	Indoor	W.B.		C (59~75 °F)		C (59~75 °F)		C (59~75 °F)
cooling	Outdoor	D.B.		(23~126 °F)		C (23~126 °F)		(23~126 °F)
Heating capacity	*2			0.0		6.0		3.0
(Max)	_	BTU/h		,600		,100		,000
(man)	Power input	kW		.06		2.64		.48
	COP	kW/kW	4.	* *		43		35
	COP (ErP) ⁺	kW/kW		39		.29		21
(Nomina				5.0		0.0		3.0
(140111110	,	BTU/h		,500		0,600		,100
	Power input	kW		99		.10		.42
	COP	kW/kW		63		.49		37
			J.	~~	J.		J.	·.
Temp. range of	Indoor	D.B.	15 0~27 0 °	C (59~81 °F)	15 0~27 0 °	C (59~81 °F)	15 0~27 0 °	C (59~81 °F)
heating	Outdoor	W.B.		C (-4~60 °F)		°C (-4~60 °F)		C (-4~60 °F)
Indoor unit	Total capacity	VV.D.		door unit capacity		door unit capacity		door unit capacity
connectable	Model / Quantity			250/1~34		250/1~39		250/1~43
Sound pressure le			F13-F2	.50/ 11-54	FIJ-FZ	230/11-39	F13-F2	.50/11-45
(measured in ane		dB <a>	61.0	/ 62.0	62.0	/ 63.0	63.0	/ 64.0
Sound power leve								
(measured in ane		dB <a>	78.0	/ 81.0	80.0	/ 82.0	81.0	/ 83.0
Refrigerant piping	011010100111	mm (in.)	10.7 /1/	2) Brazed	1E 00/E/	8) Brazed	15 00/5/	3) Brazed
diameter	Gas pipe	mm (in.)		/8) Brazed		/8) Brazed		/8) Brazed
Set Model	Gas pipe	111111 (111.)	20.30(1-1	76) Brazeu	20.30(1-1	70) Brazeu	20.30(1-1	70) DIAZEU
Model			DITHA EDSUUANIN V (BS)	DILLY EDONOVNIW A / RS)	DITHA EDSUUANM V (BS)	PUHY-EP250YNW-A (-BS)	DITHA EDSEUNIM V (BC)	DITHA EDSEUNIN V (BS)
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1
1744	Air flow rate	m³/min	170	170	170	185	185	185
	/ III IIOW Tate	L/s	2,833	2,833	2,833	3,083	3,083	3,083
		cfm	6.003	6.003	6.003	6,532	6,532	6,532
	Control, Driving m			rect-driven by motor		rect-driven by motor		ect-driven by motor
	Motor output	kW	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1
*5	External static pr		0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0.52 x 1 0 Pa (0 mmH₂O)	0.92 x 1 0 Pa (0 mmH₂O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
Compressor	Type	033.		metic compressor		rmetic compressor		metic compressor
Compressor	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	5.6	5.6	5.6	7.0	7.0	7.0
	Case heater	kW	-	3.0		- 7.0	-	7.0
External finish	Oasc ricator	IVVV		nized steel sheets		nized steel sheets		nized steel sheets
LAGITIAI IIIISII				ng for -BS type)		ing for -BS type)		ng for -BS type)
				' 8/1 or similar>	<munsell 5y<="" td=""><td></td><td></td><td>' 8/1 or similar></td></munsell>			' 8/1 or similar>
External dimensio	n HyWyD			1,858 (1,798 without		1,858 (1,798 without		1,858 (1,798 without
External dimension	ATTIATTAD	mm	legs) x 920 x 740	legs) x 920 x 740	legs) x 920 x 740	legs) x 920 x 740	legs) x 920 x 740	legs) x 920 x 740
				73-3/16 (70-13/16 without		73-3/16 (70-13/16 without	73-3/16 (70-13/16 without	73-3/16 (70-13/16 without
		in.	legs) x 36-1/4 x 29-3/16		legs) x 36-1/4 x 29-3/16		legs) x 36-1/4 x 29-3/16	legs) x 36-1/4 x 29-3/16
	High pressure pr	otection		High pressure switch at		High pressure switch at		High pressure switch at
Protection	riigii pressure pr	olection		(601 psi)		a (601 psi)		(601 psi)
devices	Inverter circuit (CO	MP/FAN)		Over-current protection		Over-current protection		Over-current protection
	Compressor		-	-	-	_	-	-
	Fan motor		-	-	-	-	-	-
Refrigerant	Type x original ch	narge	R410A x 6.5 kg (15 lbs)	R410A x 6.5 kg (15 lbs)	R410A x 6.5 kg (15 lbs)	R410A x 6.5 kg (15 lbs)	R410A x 6.5 kg (15 lbs)	R410A x 6.5 kg (15 lbs)
Net weight	1. Jpo x ong.ilai oi	kg (lbs)	231 (510)	231 (510)	231 (510)	231 (510)	231 (510)	231 (510)
Heat exchanger		,g (103)		fin & aluminium tube		fin & aluminium tube		fin & aluminium tube
Pipe between unit	t Liquid nine	mm (in.)	9.52(3/8) Brazed	9.52 (3/8) Brazed	9.52(3/8) Brazed	9.52 (3/8) Brazed	9.52(3/8) Brazed	9.52 (3/8) Brazed
po potwoon unit			22.2(7/8) Brazed		22.2(7/8) Brazed	22.2 (7/8) Brazed	22.2(7/8) Brazed	22.2 (7/8) Brazed
and distributor	Gas nine	lmm /in \						
Ontional parts	Gas pipe	mm (in.)		22.2 (7/8) Brazed				
and distributor Optional parts	Gas pipe	mm (in.)	Outdoor Twinning I	kit: CMY-Y100VBK3 104/108/1010-G	Outdoor Twinning	kit: CMY-Y100VBK3 /104/108/1010-G	Outdoor Twinning I	kit: CMY-Y100VBK3 104/108/1010-G

Notes:

,	() ,			
	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB	35°C DB/24°C WB	7.5m (24-9/16ft.)	0m (0ft.)
Cooling	(81°F DB/66°F WB)	(95°F DB/75°F WB)	7.5111 (24-9/1011.)	OIII (OIL.)
Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

^{*3} Nominal heating conditions (subject to JIS B8615-2) Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)





Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O).

Consult your dealer about the specification when setting External static pressure option. *Due to continuing improvement, above specification may be subject to change without notice

PUHY-EP YSNW-A(-BS)



Specifications

Model			PUHY-FP550	YSNW-A (-BS)	PUHY-FP600	YSNW-A (-BS)
Power source				400-415 V 50/60 Hz		-400-415 V 50/60 Hz
Cooling capacity	*1	kW		3.0	·	9.0
(Nominal)		BTU/h		,000	235	,400
,	Power input	kW	16	.11	18	.11
	EER	kW/kW	3.	91	3.	81
	EER (ErP)+	kW/kW	4.	80	4.	67
Temp. range of	Indoor	W.B.	15.0~24.0 °	C (59~75 °F)	15.0~24.0 °	C (59~75 °F)
cooling	Outdoor	D.B.	-5.0~52.0 °C	(23~126 °F)	-5.0~52.0 °C	(23~126 °F)
Heating capacity	*2	kW	69	9.0	76	3.5
(Max)		BTU/h		,400		,000
	Power input	kW		.31	_	.47
	COP	kW/kW		23	4.	
	COP (ErP)+	kW/kW		01		84
(Nomina	al) *3	kW		3.0		9.0
		BTU/h		,000		,400
	Power input	kW		.93		.26
	COP	kW/kW	5.	28	5.	20
Taman names of	la de es	D.B.	45.0.07.0.0	C (FO 94 °F)	45.0.07.0.0	C (FO 04 °F)
Temp. range of	Indoor	W.B.		C (59~81 °F)		C (59~81 °F)
heating Indoor unit	Outdoor Total capacity	VV.D.		C (-4~60 °F) door unit capacity		°C (-4~60 °F) door unit capacity
connectable	Model / Quantity			250/2~47		250/2~50
Sound pressure le						
(measured in ane		dB <a>	63.5	/ 66.0	64.0	/ 67.5
Sound power leve						
(measured in ane		dB <a>	82.0	/ 85.0	83.0	/ 86.5
Refrigerant piping		mm (in.)	15.88(5/	B) Brazed	15.88(5/8	8) Brazed
diameter	Gas pipe	mm (in.)	28.58(1-1	/8) Brazed	28.58(1-1	/8) Brazed
Set Model						
Model			PUHY-EP250YNW-A (-BS)	PUHY-EP300YNW-A (-BS)	PUHY-EP300YNW-A (-BS)	PUHY-EP300YNW-A (-BS)
FAN	Type x Quantity	1 2	Propeller fan x 1			
	Air flow rate	m³/min	185	240	240	240
		L/s	3,083	4,000	4,000	4,000
		cfm	6,532	8,474	8,474	8,474
	Control, Driving m			rect-driven by motor		rect-driven by motor
+-	Motor output	kW	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1
Compressor	External static pro	ess.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH₂O) metic compressor	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
Compressor	Starting method		Inverter scroll nei	Inverter	Inverter scroll ner	Inverter
	Motor output	kW	7.0	7.9	7.9	7.9
	Case heater	kW	7.0	7.9	1.9	7.9
External finish	Oasc ricator	KVV		nized steel sheets	Pre-coated galva	nized steel sheets
External linion				ng for -BS type)		ng for -BS type)
				' 8/1 or similar>		/ 8/1 or similar>
External dimension	n HxWxD		1,858 (1,798 without legs) x		1,858 (1,798 without legs) x	1,858 (1,798 without legs) x
		mm	920 x 740	920 x 740	920 x 740	920 x 740
		in.	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16			
Protection	High pressure pre		High pressure sensor, High pres	sure switch at 4.15 MPa (601 psi)		sure switch at 4.15 MPa (601 psi)
devices	Inverter circuit (CO	MP./FAN)		Over-current protection		Over-current protection
	Compressor		-	-	-	-
	Fan motor		-	-	-	-
Refrigerant	Type x original ch		R410A x 6.5 kg (15 lbs)			
		kg (lbs)	231 (510)	235 (519)	235 (519)	235 (519)
Net weight		rig (ibb)		fin 2 aluminium tuba		fin & aluminium tuba

12.7 (1/2) Brazed 28.58 (1-1/8) Brazed

Salt-resistant cross fin & aluminium tube

Outdoor Twinning kit: CMY-Y100VBK3 Header: CMY-Y104/108/1010-G

Notes:

Net weight Heat exchanger

and distributor
Optional parts

Pipe between unit Liquid pipe

Gas pipe

*1.*2 Nominal conditions (subject to JIS B8615-2) + ErP Lot 21/6 calculation method to EN14825

9.52(3/8) Brazed

22.2(7/8) Brazed

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		Indoor	Outdoor	Pipe length	Level difference
	Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)
	Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

^{*3} Nominal heating conditions (subject to JIS B8615-2) Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

mm (in.)

mm (in.)



12.7(1/2) Brazed 28.58 (1-1/8) Brazed

Salt-resistant cross fin & aluminium tube

28.58 (1-1/8) Brazed 28.58 (1-1/8)
Outdoor Twinning kit: CMY-Y100VBK3
Header: CMY-Y104/108/1010-G

12.7 (1/2) Brazed



Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

*Due to continuing improvement, above specification may be subject to change without notice.

PUHY-EP YSNW-A(-BS)



Specifications

Model			PUHY-EP650YSNW-A (-BS)	PUHY-EP700YSNW-A (-BS)
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity	*1	kW	73.0	80.0
(Nominal)		BTU/h	249,100	273,000
	Power input	kW	19.46	21.44
	EER	kW/kW	3.75	3.73
	EER (ErP)+	kW/kW	4.47	4.44
Temp. range of	Indoor	W.B.	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)
cooling	Outdoor	D.B.	-5.0~52.0 °C (23~126 °F)	-5.0~52.0 °C (23~126 °F)
Heating capacity	*2	kW	81.5	88.0
(Max)		BTU/h	278,100	300,300
	Power input	kW	20.58	23.15
	COP	kW/kW	3.96	3.80
	COP (ErP)+	kW/kW	4.41	4.43
(Nomina	al) *3	kW	73.0	80.0
		BTU/h	249,100	273,000
	Power input	kW	15.08	17.02
	COP	kW/kW	4.84	4.70
l Temp. range of	Indoor	D.B.	15.0~27.0 °C (59~81 °F)	15.0~27.0 °C (59~81 °F)
neating	Outdoor	W.B.	-20.0~15.5 °C (-4~60 °F)	-20.0~15.5 °C (-4~60 °F)
ndoor unit	Total capacity		50~130% of outdoor unit capacity	50~130% of outdoor unit capacity
connectable	Model / Quantity		P15~P250/2~50	P15~P250/2~50
Sound pressure le (measured in ane		dB <a>	66.5 / 67.0	65.0 / 66.5
Sound power leve measured in and	echoic room) *4		84.0 / 86.0	83.5 / 85.5
Refrigerant piping	Liquid pipe	mm (in.)	15.88(5/8) Brazed	19.05 (3/4) Brazed
. tomgorant piping			28.58 (1-1/8) Brazed	34.93 (1-3/8) Brazed

		PUHY-EP250YNW-A (-BS)	PUHY-EP400YNW-A (-BS)	PUHY-EP350YNW-A (-BS)	PUHY-EP350YNW-A (-BS)
Type x Quantity		Propeller fan x 1	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
Air flow rate	m³/min	185	270	270	270
	L/s	3,083	4,500	4,500	4,500
	cfm	6,532	9,534	9,534	9,534
Control, Driving m	echanism	Inverter-control, Dir	ect-driven by motor	Inverter-control, Dir	ect-driven by motor
Motor output	kW	0.92 x 1	0.46 x 2	0.46 x 2	0.46 x 2
External static pr	ess.	0 Pa (0 mmH₂O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH₂O)
Туре		Inverter scroll her	metic compressor	Inverter scroll her	metic compressor
Starting method		Inverter	Inverter	Inverter	Inverter
Motor output	kW	7.0	10.9	9.8	9.8
Case heater	kW	-	-	-	-
n HxWxD	mm				1,858 (1,798 without legs) x
					1,240 x 740
	in				
					48-7/8 x 29-3/16
Inverter circuit (CC	MP./FAN)	Over-heat protection, (Over-current protection	Over-heat protection, (Over-current protection
Compressor		-	-	-	-
Fan motor		-	-	-	-
Type x original cl	harge	R410A x 6.5 kg (15 lbs)	R410A x 10.8 kg (24 lbs)	R410A x 9.8 kg (22 lbs)	R410A x 9.8 kg (22 lbs)
	kg (lbs)	231 (510)	305 (673)	285 (629)	285 (629)
		Salt-resistant cross	fin & aluminium tube	Salt-resistant cross	fin & aluminium tube
Liquid pipe	mm (in.)	9.52 (3/8) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	12.7(1/2) Brazed
Gas pipe	mm (in.)	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed
		Outdoor Twinning k	it: CMY-Y100VBK3	Outdoor Twinning I	tit: CMY-Y200VBK2
		Header: CMY-Y	104/108/1010-G	Header: CMY-Y	104/108/1010-G
	Air flow rate Control, Driving m Motor output External static pr Type Starting method Motor output Case heater HxWxD High pressure pr Inverter circuit (CC Compressor Fan motor Type x original ci	Air flow rate	Type x Quantity	Type x Quantity	Type x Quantity

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2) + ErP Lot 21/6 calculation method to EN14825

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB	35°C DB/24°C WB	7.5m (24-9/16ft.)	0m (0ft.)
0009	(81°F DB/66°F WB)	(95°F DB/75°F WB)	7.0 (2.1.0, 10.1.)	5111 (511)
Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

*3 Nominal heating conditions (subject to JIS B8615-2)
Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmHzO, 6.1 mmHzO, 8.2 mmHzO).
Consult your dealer about the specification when setting External static pressure option.

*Due to continuing improvement, above specification may be subject to change without notice.





PUHY-EP YSNW-A(-BS)



Specifications

Model			PUHY-EP750\	SNW-A (-BS)	PUHY-EP800`	YSNW-A (-BS)
Power source			3-phase 4-wire 380-	400-415 V 50/60 Hz	3-phase 4-wire 380-	400-415 V 50/60 Hz
cooling capacity	*1	kW	85	.0	90	0.0
Nominal)		BTU/h	290,	000	307	,100
	Power input	kW	23.	28	24	.59
	EER	kW/kW	3.6	65	3.	66
	EER (ErP)+	kW/kW	4.3	30	4.	40
emp. range of	Indoor	W.B.	15.0~24.0 °C	C (59~75 °F)	15.0~24.0 °C	C (59~75 °F)
ooling	Outdoor	D.B.	-5.0~52.0 °C	(23~126 °F)	-5.0~52.0 °C	(23~126 °F)
eating capacity	*2	kW	95	.0	10	0.0
/lax)		BTU/h	324,	100	341	,200
	Power input	kW	25.	33	27	.10
	COP	kW/kW	3.7	75	3.	69
	COP (ErP)+	kW/kW	4.	15	4.	29
(Nomina	1) *3	kW	85	.0	90	0.0
		BTU/h	290,	000	307	,100
	Power input	kW	18.	47	19	.27
	COP	kW/kW	4.6	60	4.	67
emp. range of	Indoor	D.B.	15.0~27.0 °C	C (59~81 °F)	15.0~27.0 °C	C (59~81 °F)
eating	Outdoor	W.B.	-20.0~15.5 °		-20.0~15.5 °	
door unit	Total capacity		50~130% of outd			loor unit capacity
nnectable	Model / Quantity		P15~P2			50/2~50
ound pressure le	evel	dB <a>	67.0 /	67.5	67.5	70.5
ound power leve neasured in ane		dB <a>	84.5 /	86.5	85.5	/ 89.5
efrigerant piping	Liquid pipe	mm (in.)	19.05 (3/4	1) Brazed	19.05 (3/-	4) Brazed
ameter	Gas pipe	mm (in.)	34.93 (1-3	/8) Brazed	34.93 (1-3	/8) Brazed
et Model					·	·
odel			PUHY-EP350YNW-A (-BS)	PUHY-EP400YNW-A (-BS)	PUHY-EP350YNW-A (-BS)	PUHY-EP450YNW-A (-BS
AN	Type x Quantity		Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Air flow rate	m³/min	270	270	270	305
		L/s	4,500	4,500	4,500	5,083
		cfm	9.534	9.534	9.534	10.770

Set Model						
Model			PUHY-EP350YNW-A (-BS)	PUHY-EP400YNW-A (-BS)	PUHY-EP350YNW-A (-BS)	PUHY-EP450YNW-A (-BS)
FAN	Type x Quantity		Propeller fan x 2			
	Air flow rate	m³/min	270	270	270	305
		L/s	4,500	4,500	4,500	5,083
		cfm	9,534	9,534	9,534	10,770
	Control, Driving n	nechanism	Inverter-control, Dir	ect-driven by motor	Inverter-control, Dir	rect-driven by motor
	Motor output	kW	0.46 x 2	0.46 x 2	0.46 x 2	0.46 x 2
*5	External static p	ress.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH₂O)	0 Pa (0 mmH₂O)
Compressor	Туре		Inverter scroll her	metic compressor	Inverter scroll her	metic compressor
	Starting method		Inverter	Inverter	Inverter	Inverter
	Motor output	kW	9.8	10.9	9.8	12.4
	Case heater	kW	-	-	-	-
External finish				nized steel sheets		nized steel sheets
			(+powder coatii			ng for -BS type)
				′ 8/1 or similar>		/ 8/1 or similar>
External dimension	n HxWxD	mm	1,858 (1,798 without legs) x			
			1,240 x 740	1,240 x 740	1,240 x 740	1,240 x 740
		in.				73-3/16 (70-13/16 without legs) x
			48-7/8 x 29-3/16	48-7/8 x 29-3/16	48-7/8 x 29-3/16	48-7/8 x 29-3/16
Protection	High pressure p					sure switch at 4.15 MPa (601 psi)
devices	Inverter circuit (CC	OMP./FAN)	Over-heat protection, 0	Over-current protection	Over-heat protection,	Over-current protection
	Compressor		-	-	-	-
	Fan motor		-	-	-	-
Refrigerant	Type x original c		R410A x 9.8 kg (22 lbs)	R410A x 10.8 kg (24 lbs)	R410A x 9.8 kg (22 lbs)	R410A x 10.8 kg (24 lbs)
Net weight		kg (lbs)		305 (673)	285 (629)	305 (673)
Heat exchanger			Salt-resistant cross	fin & aluminium tube	Salt-resistant cross	fin & aluminium tube
Pipe between uni	Liquid pipe	mm (in.)	12.7 (1/2) Brazed	15.88 (5/8) Brazed	12.7 (1/2) Brazed	15.88 (5/8) Brazed
and distributor	Gas pipe	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed
Optional parts			Outdoor Twinning k	kit: CMY-Y200VBK2	Outdoor Twinning I	kit: CMY-Y200VBK2
			Header: CMY-Y	104/108/1010-G	Header: CMY-Y	104/108/1010-G

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2) + ErP Lot 21/6 calculation method to EN14825

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

*3 Nominal heating conditions (subject to JIS B8615-2)
Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O).
Consult your dealer about the specification when setting External static pressure option.

*Due to continuing improvement, above specification may be subject to change without notice.







PUHY-EP YSNW-A(-BS)



Specifications

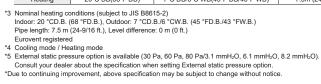
Model				PUHY-EP850	(SNW-A (-BS)	PUHY-EP900Y	(SNW-A (-BS)
Power source	ce			3-phase 4-wire 380-		3-phase 4-wire 380-	<u> </u>
Cooling cap		*1	kW	96		101	
(Nominal)	, a.o.i.y	,	BTU/h	327.		344.	
(11011111111)	F	Power input	kW	26.		27.	
		EER	kW/kW	3.5		3.6	
	Ī	EER (ErP)+	kW/kW	4.:	28	4.3	37
Temp. range		Indoor	W.B.	15.0~24.0 °C	C (59~75 °F)	15.0~24.0 °C	C (59~75 °F)
cooling		Outdoor	D.B.	-5.0~52.0 °C		-5.0~52.0 °C	
Heating cap	acity	*2	kW		8.0	113	
(Max)	,		BTU/h	368.		385,	600
, ,	F	Power input	kW	29.	.50	31.	30
	(COP	kW/kW	3.6	66	3.6	61
	(COP (ErP)+	kW/kW	4.0	05	4.1	17
(Ne	lominal)	*3	kW	96		101	
			BTU/h	327,	,600	344,	600
	F	Power input	kW	20.	.96	21.	76
	(COP	kW/kW	4.9	58	4.6	64
Tomp ====	o of	Indoor	D.B.	45.0.07.0.90	2 (E091 °E)	45.0.07.0.00	2 (E091 °E)
Temp. range heating		Indoor Outdoor	D.B. W.B.	15.0~27.0 °C -20.0~15.5 °		15.0~27.0 °C -20.0~15.5 °C	
Indoor unit	_		VV.D.	-20.0~15.5 50~130% of outd			
connectable		Total capacity Model / Quantity		915~P2		50~130% of outdoor unit capacity P15~P250/2~50	
Sound press				F 15~F2	30/2~30	F15~F2;	30/2~30
(measured in			dB <a>	68.5	71.0	68.5 /	72.5
Sound power	er level		dB <a>	86.0	/ 90 0	86.5 /	01.5
(measured i							
Refrigerant			mm (in.)	19.05 (3/4		19.05 (3/4	
diameter	(Gas pipe	mm (in.)	41.28 (1-5	/8) Brazed	41.28 (1-5)	/8) Brazed
Set Model							
Model	-	- 0 13		PUHY-EP400YNW-A (-BS)	PUHY-EP450YNW-A (-BS)	PUHY-EP450YNW-A (-BS)	PUHY-EP450YNW-A (-BS)
Model FAN		Type x Quantity	3/:	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
		Type x Quantity Air flow rate	m³/min	Propeller fan x 2 270	Propeller fan x 2 305	Propeller fan x 2 305	Propeller fan x 2 305
			L/s	Propeller fan x 2 270 4,500	Propeller fan x 2 305 5,083	Propeller fan x 2 305 5,083	Propeller fan x 2 305 5,083
	Ā	Air flow rate	L/s cfm	Propeller fan x 2 270 4,500 9,534	Propeller fan x 2 305 5,083 10,770	Propeller fan x 2 305 5,083 10,770	Propeller fan x 2 305 5,083 10,770
	<u> </u>	Air flow rate Control, Driving m	L/s cfm echanism	Propeller fan x 2 270 4,500 9,534 Inverter-control, Dir	Propeller fan x 2 305 5,083 10,770 ect-driven by motor	Propeller fan x 2 305 5,083 10,770 Inverter-control, Dir	Propeller fan x 2 305 5,083 10,770 ect-driven by motor
	<u> </u>	Air flow rate Control, Driving method of the control output	L/s cfm echanism kW	Propeller fan x 2 270 4,500 9,534 Inverter-control, Dir	Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2	Propeller fan x 2 305 5,083 10,770 Inverter-control, Dir	Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2
FAN	(1 *5	Air flow rate Control, Driving modor output External static pre	L/s cfm echanism kW	Propeller fan x 2 270 4,500 9,534 Inverter-control, Dir 0.46 x 2 0 Pa (0 mmH ₂ O)	Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O)	Propeller fan x 2 305 5,083 10,770 Inverter-control, Dir 0.46 x 2 0 Pa (0 mmH ₂ O)	Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O)
	() *5 E r	Air flow rate Control, Driving me Motor output External static pre	L/s cfm echanism kW	Propeller fan x 2 270 4,500 9,534 Inverter-control, Dir 0.46 x 2 0 Pa (0 mmH ₂ O) Inverter scroll her	Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor	Propeller fan x 2 305 5,083 10,770 Inverter-control, Dir 0.46 x 2 0 Pa (0 mmH ₂ O) Inverter scroll herr	Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor
FAN	*5 E	Air flow rate Control, Driving me Motor output External static pre Type Starting method	L/s cfm echanism kW ess.	Propeller fan x 2 270 4,500 9,534 Inverter-control, Dir 0.46 x 2 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter	Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor Inverter	Propeller fan x 2 305 5,083 10,770 Inverter-control, Dir 0.46 x 2 0 Pa (0 mmH ₂ O) Inverter scroll hen Inverter	Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor Inverter
FAN	*5 E	Control, Driving m Motor output External static pre Type Starting method Motor output	L/s cfm echanism kW ess.	Propeller fan x 2 270 4,500 9,534 Inverter-control, Dir 0.46 x 2 0 Pa (0 mmH ₂ O) Inverter scroll her	Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor	Propeller fan x 2 305 5,083 10,770 Inverter-control, Dir 0.46 x 2 0 Pa (0 mmH ₂ O) Inverter scroll herr	Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor
Compressor	*5 E	Air flow rate Control, Driving me Motor output External static pre Type Starting method	L/s cfm echanism kW ess.	Propeller fan x 2 270 4,500 9,534 Inverter-control, Dir 0.46 x 2 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter 10.9	Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor Inverter 12.4	Propeller fan x 2 305 5,083 10,770 Inverter-control, Dir 0.46 x 2 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter 12.4	Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor Inverter 12.4
FAN	*5 E	Control, Driving m Motor output External static pre Type Starting method Motor output	L/s cfm echanism kW ess.	Propeller fan x 2 270 4,500 9,534 Inverter-control, Dir 0.46 x 2 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter	Propeller fan x 2	Propeller fan x 2 305 5,083 10,770 Inverter-control, Dir 0.46 x 2 0 Pa (0 mmH ₂ O) Inverter scroll hen Inverter	Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor Inverter 12.4 nized steel sheets
Compressor	*5 E	Control, Driving m Motor output External static pre Type Starting method Motor output	L/s cfm echanism kW ess.	Propeller fan x 2 270 4,500 9,534 Inverter-control, Dir 0.46 x 2 0 Pa (0 mmH _z O) Inverter scroll her Inverter 10.9 Pre-coated galvar	Propeller fan x 2	Propeller fan x 2 305 5,083 10,770 Inverter-control, Dir 0.46 x 2 0 Pa (0 mmH ₂ O) Inverter scroll hen Inverter 12.4 - Pre-coated galvar	Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor Inverter 12.4 - nized steel sheets ng for -BS type)
Compressor External finis	*5 E	Control, Driving m Motor output External static pre Type Starting method Motor output Case heater	L/s cfm echanism kW ess.	Propeller fan x 2 270 4,500 9,534 Inverter-control, Dir 0.46 x 2 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter 10.9 - Pre-coated galvar (+powder coatir <munsell (1,798="" 1,858="" 5y="" legs)="" td="" without="" x<=""><td>Propeller fan x 2</td><td>Propeller fan x 2 305 5,083 10,770 Inverter-control, Dir 0.46 x 2 0 Pa (0 mmH₂O) Inverter scroll hen Inverter 12.4 - Pre-coated galvar (+powder coatir <munsell (1,798="" 1,858="" 5y="" legs)="" td="" without="" x<=""><td>Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH₂O) metic compressor Inverter 12.4 - nized steel sheets g for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x</td></munsell></td></munsell>	Propeller fan x 2	Propeller fan x 2 305 5,083 10,770 Inverter-control, Dir 0.46 x 2 0 Pa (0 mmH ₂ O) Inverter scroll hen Inverter 12.4 - Pre-coated galvar (+powder coatir <munsell (1,798="" 1,858="" 5y="" legs)="" td="" without="" x<=""><td>Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH₂O) metic compressor Inverter 12.4 - nized steel sheets g for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x</td></munsell>	Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor Inverter 12.4 - nized steel sheets g for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x
Compressor External finis	*5 E	Control, Driving m Motor output External static pre Type Starting method Motor output Case heater	L/s cfm echanism kW ess.	Propeller fan x 2 270 4,500 9,534 Inverter-control, Dir 0.46 x 2 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter 10.9 - Pre-coated galvar (+powder coatir <munsell (1,798="" (70-13="" 1,240="" 1,858="" 16="" 5y="" 73-3="" 740="" legs)="" td="" without="" x="" x<=""><td>Propeller fan x 2</td><td>Propeller fan x 2 305 5,083 10,770 Inverter-control, Din 0.46 x 2 0 Pa (0 mmH₂O) Inverter scroll hen Inverter 12.4 - Pre-coated galvar (+powder coatir - MUNSELL 5Y 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x</td><td>Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH₂O) metic compressor Inverter 12.4 - nized steel sheets g for -BS type) 8/1 or similar- 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x</td></munsell>	Propeller fan x 2	Propeller fan x 2 305 5,083 10,770 Inverter-control, Din 0.46 x 2 0 Pa (0 mmH ₂ O) Inverter scroll hen Inverter 12.4 - Pre-coated galvar (+powder coatir - MUNSELL 5Y 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x	Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor Inverter 12.4 - nized steel sheets g for -BS type) 8/1 or similar- 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x
Compressor External finis	*5 E	Control, Driving m Motor output External static pre Type Starting method Motor output Case heater	L/s cfm echanism kW esss. kW kW in.	Propeller fan x 2 270 4,500 9,534 Inverter-control, Dir 0.46 x 2 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter 10.9 - Pre-coated galvar (+powder coatist <munsell (1,798="" (70-13="" 1,240="" 1,858="" 16="" 16<="" 29-3="" 48-7="" 5y="" 73-3="" 740="" 8="" legs)="" td="" without="" x=""><td>Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH₂O) metic compressor Inverter 12.4 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16</td><td>Propeller fan x 2 305 5,083 10,770 Inverter-control, Dir 0.46 x 2 0 Pa (0 mmH₂O) Inverter scroll her Inverter 12.4 - Pre-coated galvar (+powder coatir <munsell (1,798="" (70-13="" 1,240="" 1,858="" 16="" 16<="" 29-3="" 48-7="" 5y="" 73-3="" 740="" 8="" legs)="" td="" without="" x=""><td>Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH₂O) metic compressor Inverter 12.4 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16</td></munsell></td></munsell>	Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor Inverter 12.4 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	Propeller fan x 2 305 5,083 10,770 Inverter-control, Dir 0.46 x 2 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter 12.4 - Pre-coated galvar (+powder coatir <munsell (1,798="" (70-13="" 1,240="" 1,858="" 16="" 16<="" 29-3="" 48-7="" 5y="" 73-3="" 740="" 8="" legs)="" td="" without="" x=""><td>Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH₂O) metic compressor Inverter 12.4 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16</td></munsell>	Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor Inverter 12.4 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16
Compressor External finis	*5 E	Control, Driving m Motor output External static pre Type Starting method Motor output Case heater	L/s cfm echanism kW ess. kW kW in.	Propeller fan x 2 270 4,500 9,534 Inverter-control, Dir 0.46 x 2 0 Pa (0 mmHzO) Inverter scroll her Inverter 10.9	Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor Inverter 12.4 nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 sure switch at 4.15 MPa (601 psi)	Propeller fan x 2 305 5,083 10,770 Inverter-control, Dir 0.46 x 2 0 Pa (0 mmH ₂ O) Inverter scroll hen Inverter 12.4 - Pre-coated galvar (+powder coatir <munsell (1,798="" (70-13="" 1,240="" 1,858="" 16="" 29-3="" 48-7="" 5y="" 73-3="" 740="" 8="" high="" legs)="" press<="" pressure="" sensor,="" td="" without="" x=""><td>Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH₂O) metic compressor Inverter 12.4 nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 sure switch at 4.15 MPa (601 psi)</td></munsell>	Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor Inverter 12.4 nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 sure switch at 4.15 MPa (601 psi)
External finis External dim	*5 E	Control, Driving m Motor output External static pre Type Starting method Motor output Case heater	L/s cfm echanism kW ess. kW kW in.	Propeller fan x 2 270 4,500 9,534 Inverter-control, Dir 0.46 x 2 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter 10.9 - Pre-coated galvar (+powder coatis <munsell (1,798="" (70-13="" 1,240="" 1,858="" 16="" 16<="" 29-3="" 48-7="" 5y="" 73-3="" 740="" 8="" legs)="" td="" without="" x=""><td>Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH₂O) metic compressor Inverter 12.4 nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 sure switch at 4.15 MPa (601 psi)</td><td>Propeller fan x 2 305 5,083 10,770 Inverter-control, Dir 0.46 x 2 0 Pa (0 mmH₂O) Inverter scroll her Inverter 12.4 - Pre-coated galvar (+powder coatir <munsell (1,798="" (70-13="" 1,240="" 1,858="" 16="" 16<="" 29-3="" 48-7="" 5y="" 73-3="" 740="" 8="" legs)="" td="" without="" x=""><td>Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH₂O) metic compressor Inverter 12.4 nized steel sheets 19 for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 sure switch at 4.15 MPa (601 psi)</td></munsell></td></munsell>	Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor Inverter 12.4 nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 sure switch at 4.15 MPa (601 psi)	Propeller fan x 2 305 5,083 10,770 Inverter-control, Dir 0.46 x 2 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter 12.4 - Pre-coated galvar (+powder coatir <munsell (1,798="" (70-13="" 1,240="" 1,858="" 16="" 16<="" 29-3="" 48-7="" 5y="" 73-3="" 740="" 8="" legs)="" td="" without="" x=""><td>Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH₂O) metic compressor Inverter 12.4 nized steel sheets 19 for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 sure switch at 4.15 MPa (601 psi)</td></munsell>	Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor Inverter 12.4 nized steel sheets 19 for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 sure switch at 4.15 MPa (601 psi)
External finis External dim	*5 E	Control, Driving m Motor output External static pro Type Starting method Motor output Case heater HxWxD High pressure pro	L/s cfm echanism kW ess. kW kW in.	Propeller fan x 2 270 4,500 9,534 Inverter-control, Dir 0.46 x 2 0 Pa (0 mmHzO) Inverter scroll her Inverter 10.9	Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor Inverter 12.4 nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 sure switch at 4.15 MPa (601 psi)	Propeller fan x 2 305 5,083 10,770 Inverter-control, Dir 0.46 x 2 0 Pa (0 mmH ₂ O) Inverter scroll hen Inverter 12.4 - Pre-coated galvar (+powder coatir <munsell (1,798="" (70-13="" 1,240="" 1,858="" 16="" 29-3="" 48-7="" 5y="" 73-3="" 740="" 8="" high="" legs)="" press<="" pressure="" sensor,="" td="" without="" x=""><td>Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH₂O) metic compressor Inverter 12.4 nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 sure switch at 4.15 MPa (601 psi)</td></munsell>	Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor Inverter 12.4 nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 sure switch at 4.15 MPa (601 psi)
External finis External dim	*5 E	Control, Driving m Motor output External static pro Type Starting method Motor output Case heater HxWxD High pressure pro Inverter circuit (CO Compressor	L/s cfm echanism kW ess. kW kW in. otection MP/FAN)	Propeller fan x 2 270 4,500 9,534 Inverter-control, Dir 0.46 x 2 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter 10.9	Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor Inverter 12.4 nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 sure switch at 4.15 MPa (601 psi)	Propeller fan x 2 305 5,083 10,770 Inverter-control, Dir 0.46 x 2 0 Pa (0 mmH ₂ O) Inverter scroll hen Inverter 12.4 - Pre-coated galvar (+powder coatir <munsell (1,798="" (70-13="" 1,240="" 1,858="" 16="" 29-3="" 48-7="" 5y="" 73-3="" 740="" 8="" high="" legs)="" press<="" pressure="" sensor,="" td="" without="" x=""><td>Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH₂O) metic compressor Inverter 12.4 nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 sure switch at 4.15 MPa (601 psi)</td></munsell>	Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor Inverter 12.4 nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 sure switch at 4.15 MPa (601 psi)
External finis External dim Protection devices	*5 E	Control, Driving m Motor output External static pre Type Starting method Motor output Case heater HxWxD High pressure pro Innerter circuit (pro Compressor Fan motor	L/s cfm echanism kW ess. kW kW in. otection MP/FAN)	Propeller fan x 2 270 4,500 9,534 Inverter-control, Dir 0.46 x 2 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter 10.9 - Pre-coated galvar (+powder coatir <munsell (1,798="" (70-13="" (<="" 1,240="" 1,858="" 16="" 29-3="" 48-7="" 5y="" 73-3="" 740="" 8="" high="" legs)="" over-heat="" press="" pressure="" protection,="" sensor,="" td="" without="" x=""><td>Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH₂O) metic compressor Inverter 12.4 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 sure switch at 4.15 MPa (601 psi) Dver-current protection -</td><td>Propeller fan x 2 305 5,083 10,770 Inverter-control, Dir 0.46 x 2 0 Pa (0 mmH₂O) Inverter scroll herr Inverter 12.4 - Pre-coated galvar (+powder coatir <munsell (1,798="" (70-13="" 1,240="" 1,858="" 16="" 29-3="" 48-7="" 5y="" 73-3="" 740="" 8="" c<="" high="" legs)="" over-heat="" press="" pressure="" protection,="" sensor,="" td="" without="" x=""><td>Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH₂O) metic compressor Inverter 12.4 nized steel sheets 12 of 1,280 x 740 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 sure switch at 4.15 MPa (601 psi) Dver-current protection</td></munsell></td></munsell>	Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor Inverter 12.4 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 sure switch at 4.15 MPa (601 psi) Dver-current protection -	Propeller fan x 2 305 5,083 10,770 Inverter-control, Dir 0.46 x 2 0 Pa (0 mmH ₂ O) Inverter scroll herr Inverter 12.4 - Pre-coated galvar (+powder coatir <munsell (1,798="" (70-13="" 1,240="" 1,858="" 16="" 29-3="" 48-7="" 5y="" 73-3="" 740="" 8="" c<="" high="" legs)="" over-heat="" press="" pressure="" protection,="" sensor,="" td="" without="" x=""><td>Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH₂O) metic compressor Inverter 12.4 nized steel sheets 12 of 1,280 x 740 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 sure switch at 4.15 MPa (601 psi) Dver-current protection</td></munsell>	Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor Inverter 12.4 nized steel sheets 12 of 1,280 x 740 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 sure switch at 4.15 MPa (601 psi) Dver-current protection
External finit External dim Protection devices Refrigerant	*5 E	Control, Driving m Motor output External static pre Type Starting method Motor output Case heater HxWxD High pressure pro Innerter circuit (pro Compressor Fan motor	L/s cfm echanism kW esss. kW kW in. otection MP/FAN)	Propeller fan x 2 270 4,500 9,534 Inverter-control, Dir 0.46 x 2 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter 10.9	Propeller fan x 2	Propeller fan x 2 305 5,083 10,770 Inverter-control, Dir 0.46 x 2 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter 12.4 - Pre-coated galvar (+powder coatir -MUNSELL 5Y 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor, High press Over-heat protection, C - R410A x 10.8 kg (24 lbs)	Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor Inverter 12.4 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 sure switch at 4.15 MPa (601 psi) Diver-current protection - R410A x 10.8 kg (24 lbs) 305 (673)
External finis External dim Protection devices Refrigerant Net weight	*5 E	Control, Driving m Motor output External static pro Type Starting method Motor output Case heater HxWxD High pressure pro Inverter circuit (CO Compressor Fan motor Type x original ch	L/s cfm echanism kW esss. kW kW in. otection MP/FAN)	Propeller fan x 2 270 4,500 9,534 Inverter-control, Dir 0.46 x 2 0 Pa (0 mmHzO) Inverter scroll her Inverter 10.9	Propeller fan x 2	Propeller fan x 2 305 5,083 10,770 Inverter-control, Dir 0.46 x 2 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter 12.4 - Pre-coated galvar (+powder coatir <-MUNSELL 5Y 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor, High press Over-heat protection, C - R410A x 10.8 kg (24 lbs) 305 (673)	Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor Inverter 12.4 - nized steel sheets g for -BS type) 8/1 or similar- 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 sure switch at 4.15 MPa (601 psi) Over-current protection - R410A x 10.8 kg (24 lbs) 305 (673) fin & aluminium tube
External finis External dim Protection devices Refrigerant Net weight Heat exchar	*5 E	Control, Driving m Motor output External static pro Type Starting method Motor output Case heater HxWxD High pressure pro Inverter circuit (CO Compressor Fan motor Type x original ch	L/s cfm echanism kW ess. kW kW mm in. otection MP/FAN)	Propeller fan x 2 270 4,500 9,534 Inverter-control, Dir 0.46 x 2 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter 10.9 - Pre-coated galvar (+powder coatir -MUNSELL 5Y 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure sensor, High press Over-heat protection, (- R410A x 10.8 kg (24 lbs) 305 (673) Salt-resistant cross	Propeller fan x 2	Propeller fan x 2 305 5,083 10,770 Inverter-control, Dir 0.46 x 2 0 Pa (0 mmH ₂ O) Inverter scroll herr Inverter 12.4	Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor Inverter 12.4 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 sure switch at 4.15 MPa (601 psi) Diver-current protection - R410A x 10.8 kg (24 lbs) 305 (673)
External finis External dim Protection devices Refrigerant Net weight Heat exchar Pipe between	*5 E r sish nension I	Control, Driving m Motor output External static pre Type Starting method Motor output Case heater HxWxD High pressure pre inverter circuit (pro Compressor Fan motor Type x original ch	L/s cfm echanism kW ess. kW kW in. otection MP/FAN) marge kg (lbs)	Propeller fan x 2 270 4,500 9,534 Inverter-control, Dir 0.46 x 2 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter 10.9 - Pre-coated galvar (+powder coatir <munsell (="" (1,798="" (24="" (5="" (673)="" (70-13="" -="" 1,240="" 1,858="" 10.8="" 15.88="" 16="" 29-3="" 305="" 48-7="" 5y="" 73-3="" 740="" 8="" 8)="" brazed<="" cross="" high="" kg="" lbs)="" legs)="" over-heat="" press="" pressure="" protection,="" r410a="" salt-resistant="" sensor,="" td="" without="" x=""><td>Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH₂O) metic compressor Inverter 12.4 nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 sure switch at 4.15 MPa (601 psi) Dver-current protection R410A x 10.8 kg (24 lbs) 305 (673) fin & aluminium tube 15.88 (5/8) Brazed 28.58 (1-1/8) Brazed</td><td>Propeller fan x 2 305 5,083 10,770 Inverter-control, Dir 0.46 x 2 0 Pa (0 mmH₂O) Inverter scroll her Inverter 12.4</td><td>Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH₂O) metic compressor Inverter 12.4 nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 sure switch at 4.15 MPa (601 psi) Dver-current protection - R410A x 10.8 kg (24 lbs) 305 (673) fin & aluminium tube 15.88 (5/8) Brazed 28.58 (1-1/8) Brazed</td></munsell>	Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor Inverter 12.4 nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 sure switch at 4.15 MPa (601 psi) Dver-current protection R410A x 10.8 kg (24 lbs) 305 (673) fin & aluminium tube 15.88 (5/8) Brazed 28.58 (1-1/8) Brazed	Propeller fan x 2 305 5,083 10,770 Inverter-control, Dir 0.46 x 2 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter 12.4	Propeller fan x 2 305 5,083 10,770 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor Inverter 12.4 nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 sure switch at 4.15 MPa (601 psi) Dver-current protection - R410A x 10.8 kg (24 lbs) 305 (673) fin & aluminium tube 15.88 (5/8) Brazed 28.58 (1-1/8) Brazed

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2) + ErP Lot 21/6 calculation method to EN14825

	Indoor	Outdoor	Pipe length	Level difference	
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)	
Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)	

Header: CMY-Y104/108/1010-G





Header: CMY-Y104/108/1010-G



PUHY-EP YSNW-A(-BS)



Specifications

Model	Model		PUHY-EP950YSNW-A (-BS)			PUHY-EP1000YSNW-A (-BS)		
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz			
Cooling capacity	*1	kW		108.0			113.0	
(Nominal)		BTU/h		368,500			385,600	
Power input kW		kW		28.34			30.21	
	EER	kW/kW		3.81		3.74		
	EER (ErP)+	kW/kW		4.57			4.46	
Temp. range of	Indoor	W.B.		5.0~24.0 °C (59~75 °F		15.0~24.0 °C (59~75 °F)		
cooling	Outdoor	D.B.		5.0~52.0 °C (23~126 °I	F)	-	5.0~52.0 °C (23~126 °l	F)
Heating capacity	*2	kW		119.5			127.0	
(Max)		BTU/h		407,700			433,300	
	Power input	kW		30.32			32.56	
	COP	kW/kW		3.94			3.90	
	COP (ErP) ⁺	kW/kW		4.63			4.42	
(Nomina	ıl) *3	kW		108.0			113.0	
,		BTU/h		368,500			385,600	
	Power input	kW		22.13			23.59	
	COP	kW/kW		4.88			4.79	
Temp. range of	Indoor	D.B.	1	5.0~27.0 °C (59~81 °F	-)	1	5.0~27.0 °C (59~81 °F	-)
heating	Outdoor	W.B.		20.0~15.5 °C (-4~60 °F	=)	-	20.0~15.5 °C (-4~60 °F	=)
Indoor unit	Total capacity		50~1	30% of outdoor unit ca	pacity	50~1	30% of outdoor unit ca	pacity
connectable	Model / Quantity			P15~P250/2~50			P15~P250/2~50	
Sound pressure le	evel	-ID -445		00 0 107 5			00.0.1.00.5	
(measured in ane	choic room) *4	dB <a>		66.0 / 67.5			68.0 / 68.5	
Sound power leve	el	4D - 4>		04 5 / 06 5		05.5.107.5		
(measured in ane	(measured in anechoic room) *4 dB <a>			84.5 / 86.5			85.5 / 87.5	
Refrigerant piping	Liquid pipe	mm (in.)		19.05(3/4) Brazed			19.05(3/4) Brazed	
		mm (in.)		41.28 (1-5/8) Brazed			41.28 (1-5/8) Brazed	
Set Model				,			,	
Model			PUHY-EP250YNW-A (-BS)	PUHY-EP350YNW-A (-BS)	PUHY-EP350YNW-A (-BS)	PUHY-EP250YNW-A (-BS)	PUHY-EP350YNW-A (-BS)	PUHY-EP400YNW-A (-BS)
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 2	Propeller fan x 2	Propeller fan x 1	Propeller fan x 2	Propeller fan x 2
	Air flow rate	m³/min	185	270	270	185	270	270
		L/s	3,083	4,500	4,500	3,083	4,500	4,500
		cfm	6,532	9,534	9,534	6,532	9,534	9,534
	Control, Driving m		Inverter	-control, Direct-driven I			-control, Direct-driven I	by motor
	Motor output	kW	0.92 x 1	0.46 x 2	0.46 x 2	0.92 x 1	0.46 x 2	0.46 x 2
*5	External static pr	ess.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
Compressor	Туре		Inverte	er scroll hermetic comp	ressor	Invert	er scroll hermetic comp	ressor
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	7.0	9.8	9.8	7.0	9.8	10.9
	Case heater	kW	-	-	-	-	-	-
External finish			Pre-co	ated galvanized steel	sheets	Pre-co	pated galvanized steel	sheets
				owder coating for -BS t		(+powder coating for -BS type)		
			<mi< td=""><td>UNSELL 5Y 8/1 or simi</td><td>ilar></td><td><m< td=""><td>UNSELL 5Y 8/1 or sim</td><td>ilar></td></m<></td></mi<>	UNSELL 5Y 8/1 or simi	ilar>	<m< td=""><td>UNSELL 5Y 8/1 or sim</td><td>ilar></td></m<>	UNSELL 5Y 8/1 or sim	ilar>
External dimension	n HxWxD	mm	1,858 (1,798 without	1,858 (1,798 without	1,858 (1,798 without	1,858 (1,798 without	1,858 (1,798 without	1,858 (1,798 without
		111111	legs) x 920 x 740	legs) x 1,240 x 740	legs) x 1,240 x 740	legs) x 920 x 740	legs) x 1,240 x 740	legs) x 1,240 x 740
		in.	73-3/16 (70-13/16 without	73-3/16 (70-13/16 without	73-3/16 (70-13/16 without	73-3/16 (70-13/16 without	73-3/16 (70-13/16 without	73-3/16 (70-13/16 without
		111.	legs) x 36-1/4 x 29-3/16	legs) x 48-7/8 x 29-3/16	legs) x 48-7/8 x 29-3/16	legs) x 36-1/4 x 29-3/16	legs) x 48-7/8 x 29-3/16	legs) x 48-7/8 x 29-3/16
Protection	High pressure pro	otection	High pressure sensor	, High pressure switch	at 4.15 MPa (601 psi)	High pressure sensor	, High pressure switch	at 4.15 MPa (601 psi)
devices	Inverter circuit (CO	MP./FAN)	Over-heat	protection, Over-currer	t protection	Over-heat	protection, Over-currer	nt protection
	Compressor		-	-	-	-	-	-
Fan motor		-	-	-	-	-	-	
Refrigerant	Type x original ch		R410A x 6.5 kg (15 lbs)		R410A x 9.8 kg (22 lbs)			R410A x 10.8 kg (24 lbs)
Net weight		kg (lbs)	231 (510)	285 (629)	285 (629)	231 (510)	285 (629)	305 (673)
	Heat exchanger		0 11 .	stant cross fin & alumir	nium tube	Salt-resi	stant cross fin & alumir	nium tube
Heat exchanger								
Heat exchanger Pipe between unit		mm (in.)	9.52 (3/8) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	9.52 (3/8) Brazed	12.7 (1/2) Brazed	15.88 (5/8) Brazed
Heat exchanger Pipe between unit and distributor	Liquid pipe Gas pipe	mm (in.) mm (in.)	9.52 (3/8) Brazed 22.2 (7/8) Brazed	12.7 (1/2) Brazed 28.58 (1-1/8) Brazed	12.7 (1/2) Brazed 28.58 (1-1/8) Brazed	9.52 (3/8) Brazed 22.2 (7/8) Brazed	12.7 (1/2) Brazed 28.58 (1-1/8) Brazed	15.88 (5/8) Brazed 28.58 (1-1/8) Brazed
Heat exchanger Pipe between unit			9.52 (3/8) Brazed 22.2 (7/8) Brazed Outdoo	12.7 (1/2) Brazed 28.58 (1-1/8) Brazed Twinning kit: CMY-Y3	12.7 (1/2) Brazed 28.58 (1-1/8) Brazed 00VBK3	9.52 (3/8) Brazed 22.2 (7/8) Brazed Outdoo	12.7 (1/2) Brazed 28.58 (1-1/8) Brazed Twinning kit: CMY-Y3	15.88 (5/8) Brazed 28.58 (1-1/8) Brazed 00VBK3
Heat exchanger Pipe between unit and distributor			9.52 (3/8) Brazed 22.2 (7/8) Brazed Outdoo	12.7 (1/2) Brazed 28.58 (1-1/8) Brazed	12.7 (1/2) Brazed 28.58 (1-1/8) Brazed 00VBK3	9.52 (3/8) Brazed 22.2 (7/8) Brazed Outdoo	12.7 (1/2) Brazed 28.58 (1-1/8) Brazed	15.88 (5/8) Brazed 28.58 (1-1/8) Brazed 00VBK3

Notes:

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

^{*3} Nominal heating conditions (subject to JIS B8615-2) Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B.6 °CW.B. (45 °FD.B./43 °FW.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
Eurovent registered
*4 Cooling mode / Heating mode
*5 External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O).
Consult your dealer about the specification when setting External static pressure option.
*Due to continuing improvement, above specification may be subject to change without notice.





OUTDOOR UNIT Y Series - High efficiency PUHY-EP YSNW-A(-BS)

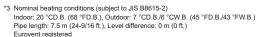


Specifications

Model			PIII	HY-EP1050YSNW-A (-	BS)	PII	HY-EP1100YSNW-A (-	BS)
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz			3-phase 4-wire 380-400-415 V 50/60 Hz		
Cooling capacity	*1	kW	- F11312	118.0		, , , , , , , , , , , , , , , , , , ,	124.0	
(Nominal)		BTU/h		402,600			423,100	
(Power input	kW		32.06		33.78		
	EER	kW/kW		3.68			3.67	
	EER (ErP)+	kW/kW		4.36			4.34	
Temp. range of	Indoor	W.B.	1	15.0~24.0 °C (59~75 °F	-)		15.0~24.0 °C (59~75 °F	1
cooling	Outdoor	D.B.		5.0~52.0 °C (23~126 °F		_	5.0~52.0 °C (23~126 °F	=)
Heating capacity	*2			132.0	1	· ·	140.0	.1
(Max)	-	BTU/h		450,400			477,700	
(IVIAX)	Power input	kW		34.19			37.13	
	COP	kW/kW		3.86			3.77	
	COP (ErP) ⁺	kW/kW		4.22			4.24	
(Nomina		kW		118.0			124.0	
(INOITIII)	ıı) 3	BTU/h		402,600			423,100	
	Power input			25.05			26.78	
	COP	kW					4.63	
	COP	kW/kW		4.71			4.03	
T	In de en	D.B.		E 0 07 0 90 /F0 04 9F	-\		15.0.07.0.90./50.04.95	-\
Temp. range of	Indoor			5.0~27.0 °C (59~81 °F			15.0~27.0 °C (59~81 °F	
heating	Outdoor	W.B.		20.0~15.5 °C (-4~60 °F			20.0~15.5 °C (-4~60 °F	
Indoor unit	Total capacity		50~1	30% of outdoor unit cap	pacity	50~1	30% of outdoor unit ca	pacity
connectable	Model / Quantity	1		P15~P250/3~50			P15~P250/3~50	
Sound pressure le (measured in ane	choic room) *4	dB <a>		68.5 / 69.0		68.5 / 69.0		
Sound power level (measured in anechoic room) *4 dB <a>		dB <a>	86.0 / 88.0			86.0 / 89.0		
Refrigerant piping		mm (in.)		19.05(3/4) Brazed			19.05(3/4) Brazed	
diameter	Gas pipe	mm (in.)		41.28 (1-5/8) Brazed			41.28 (1-5/8) Brazed	
Set Model				, ,				
Model			PUHY-EP250YNW-A (-BS)	PUHY-EP400YNW-A (-BS)	PUHY-EP400YNW-A (-BS)	PUHY-EP350YNW-A (-BS)	PUHY-EP350YNW-A (-BS)	PUHY-EP400YNW-A (-BS)
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Air flow rate	m³/min	185	270	270	270	270	270
		L/s	3,083	4,500	4,500	4,500	4,500	4,500
		cfm	6,532	9,534	9,534	9,534	9,534	9,534
	Control, Driving m	echanism	Inverter	-control, Direct-driven b	by motor	Inverter	-control, Direct-driven I	by motor
	Motor output	kW	0.92 x 1	0.46 x 2	0.46 x 2	0.46 x 2	0.46 x 2	0.46 x 2
*5	External static pr	ess.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH₂O)	0 Pa (0 mmH₂O)	0 Pa (0 mmH₂O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH₂O)
Compressor	Туре			er scroll hermetic comp			er scroll hermetic comp	
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	7.0	10.9	10.9	9.8	9.8	10.9
	Case heater	kW	-	-	-	-	-	-
External finish	Cuco moutor		Pre-co	pated galvanized steel:	sheets	Pre-cr	pated galvanized steel	sheets
Extorrial limbri				owder coating for -BS t			owder coating for -BS t	
				UNSELL 5Y 8/1 or simi			UNSELL 5Y 8/1 or simi	
External dimension	n HxWxD	mm		1,858 (1,798 without legs) x 1,240 x 740				1,858 (1,798 without legs) x 1,240 x 740
			73-3/16 (70-13/16 without		73-3/16 (70-13/16 without			73-3/16 (70-13/16 without
		in.	legs) x 36-1/4 x 29-3/16	legs) x 48-7/8 x 29-3/16	legs) x 48-7/8 x 29-3/16	legs) x 48-7/8 x 29-3/16	legs) x 48-7/8 x 29-3/16	legs) x 48-7/8 x 29-3/16
Protection	High pressure pr	otootion					r, High pressure switch	
devices	Inverter circuit (CO			protection, Over-curren			protection, Over-curren	
UC VICES	Compressor	nvii/1 /\\(\)	- Over-near	Drotection, Over-curren	it protection	- Over-near	protection, Over-curren	it protection
	Fan motor		-	-	-	-	-	-
Refrigerant	Type x original ch	arge	R410A x 6.5 kg (15 lbs)	P4104 v 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)	R410A x 9.8 kg (22 lbs)	R410A x 9.8 kg (22 lbs)	R410A x 10.8 kg (24 lbs)
	Trype x original cr		231 (510)	305 (673)	305 (673)	285 (629)	285 (629)	305 (673)
Net weight Heat exchanger		kg (lbs)		stant cross fin & alumin				
	I I im sid min a	mana (is- \						
Pipe between uni		mm (in.)	9.52 (3/8) Brazed	15.88 (5/8) Brazed		12.7 (1/2) Brazed	12.7 (1/2) Brazed	15.88 (5/8) Brazed
and distributor	Gas pipe	mm (in.)	22.2 (7/8) Brazed		28.58 (1-1/8) Brazed		28.58 (1-1/8) Brazed	
Optional parts				r Twinning kit: CMY-Y3 der: CMY-Y104/108/10			r Twinning kit: CMY-Y3 der: CMY-Y104/108/10	

Notes:

,	. , ,			
	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB	35°C DB/24°C WB	7.5m (24-9/16ft.)	0m (0ft.)
Occiling	(81°F DB/66°F WB)	(95°F DB/75°F WB)	7.511 (24-5/101.)	l oii (oii.)
Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)







Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O). Consult your dealer about the specification when setting External static pressure option. *Due to continuing improvement, above specification may be subject to change without notice.

PUHY-EP YSNW-A(-BS)



Specifications

Model			PUHY-EP1150YSNW-A (-BS)		PUHY-EP1200YSNW-A (-BS)			
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz			
Cooling capacity	*1	kW		130.0			136.0	
(Nominal)		BTU/h		443,600			464,000	
,	Power input	kW		35.91			38.09	
	EER	kW/kW		3.62			3.57	
	EER (ErP)*	kW/kW		4.25			4.17	
Temp. range of	Indoor	W.B.	1	5.0~24.0 °C (59~75 °F	-)	1	5.0~24.0 °C (59~75 °F	:)
cooling	Outdoor	D.B.	-{	5.0~52.0 °C (23~126 °F	F)	-5.0~52.0 °C (23~126 °F)		-)
Heating capacity	*2			145.0			150.0	
(Max)		BTU/h		494,700			511,800	
	Power input	kW		38.77			40.43	
	COP	kW/kW		3.74			3.71	
	COP (ErP)*	kW/kW		4.07			3.91	
(Nomina	I) *3	kW		130.0			136.0	
		BTU/h		443,600			464,000	
	Power input	kW		28.50			30.22	
	COP	kW/kW		4.56			4.50	
Temp. range of	Indoor	D.B.		5.0~27.0 °C (59~81 °F			5.0~27.0 °C (59~81 °F	
heating	Outdoor	W.B.		20.0~15.5 °C (-4~60 °F			20.0~15.5 °C (-4~60 °F	
Indoor unit	Total capacity		50~1.	30% of outdoor unit cap	pacity	50~1.	30% of outdoor unit cap	Dacity
connectable Sound pressure le	Model / Quantity			P15~P250/3~50			P15~P250/3~50	
(measured in aned		dB <a>		69.0 / 69.5			70.0 / 70.5	
Sound power leve								
	(measured in anechoic room) *4 dB <a>		86.5 / 88.5		87.5 / 89.5			
Refrigerant piping		mm (in.)		19.05(3/4) Brazed			19.05(3/4) Brazed	
diameter	Gas pipe	mm (in.)		41.28 (1-5/8) Brazed			41.28 (1-5/8) Brazed	
Set Model	Odo pipo	, , , , , , , , , , , , , , , , , , ,		+1.20 (1 0/0) Brazea			41.20 (1 0/0) Brazoa	
Model			PUHY-EP350YNW-A (-BS)	PUHY-EP400YNW-A (-BS)	PUHY-EP400YNW-A (-BS)	PUHY-EP400YNW-A (-BS)	PUHY-EP400YNW-A (-BS)	PUHY-EP400YNW-A (-BS)
FAN	Type x Quantity		Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Air flow rate	m³/min	270	270	270	270	270	270
		L/s	4,500	4,500	4,500	4,500	4,500	4,500
		cfm	9,534	9,534	9,534	9,534	9,534	9,534
	Control, Driving m	echanism	Inverter-	-control, Direct-driven b	by motor	Inverter-	-control, Direct-driven b	by motor
	Motor output	kW	0.46 x 2	0.46 x 2	0.46 x 2	0.46 x 2	0.46 x 2	0.46 x 2
*5	External static pre	ess.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
Compressor	Туре		Inverte	er scroll hermetic comp	ressor	Inverte	er scroll hermetic comp	
·	Starting method		Inverter					ressor
	Motor output			Inverter	Inverter	Inverter	Inverter	ressor Inverter
	INIOIOI OUIPUI	kW	9.8	Inverter 10.9	Inverter 10.9	Inverter 10.9		
	Case heater	kW kW					Inverter	Inverter
External finish			9.8	10.9	10.9	10.9	Inverter 10.9	Inverter 10.9
External finish			9.8 - Pre-cc (+pc	10.9 - pated galvanized steel sowder coating for -BS to	10.9 - sheets ype)	10.9 - Pre-cc (+pc	Inverter 10.9 - pated galvanized steel steel sowder coating for -BS tr	Inverter 10.9 - sheets ype)
	Case heater		9.8 - Pre-cc (+pc <mi< td=""><td>10.9 - pated galvanized steel sowder coating for -BS to JNSELL 5Y 8/1 or similar to the steel st</td><td>10.9 - sheets ype) ilar></td><td>10.9 - Pre-cc (+pc <mi< td=""><td>Inverter 10.9 - pated galvanized steel stowder coating for -BS to UNSELL 5Y 8/1 or similar to the steel stowers.</td><td>Inverter 10.9 - sheets /pe) lar></td></mi<></td></mi<>	10.9 - pated galvanized steel sowder coating for -BS to JNSELL 5Y 8/1 or similar to the steel st	10.9 - sheets ype) ilar>	10.9 - Pre-cc (+pc <mi< td=""><td>Inverter 10.9 - pated galvanized steel stowder coating for -BS to UNSELL 5Y 8/1 or similar to the steel stowers.</td><td>Inverter 10.9 - sheets /pe) lar></td></mi<>	Inverter 10.9 - pated galvanized steel stowder coating for -BS to UNSELL 5Y 8/1 or similar to the steel stowers.	Inverter 10.9 - sheets /pe) lar>
External finish External dimension	Case heater	kW	9.8 - Pre-cc (+pc <mi 1,858 (1,798 without</mi 	10.9 - pated galvanized steel steel steel coating for -BS truly JNSELL 5Y 8/1 or similar 1,858 (1,798 without	10.9 - sheets ype) ilar> 1,858 (1,798 without	10.9 - Pre-cc (+pc <mi 1,858 (1,798 without</mi 	Inverter 10.9 - pated galvanized steel sowder coating for -BS to UNSELL 5Y 8/1 or similar, 1,858 (1,798 without	Inverter 10.9 - sheets ype) lar> 1,858 (1,798 without
	Case heater		9.8 - Pre-cc (+pc <mi 1,858 (1,798 without legs) x 1,240 x 740</mi 	10.9	10.9 - sheets ype) ilar> 1,858 (1,798 without legs) x 1,240 x 740	10.9 - Pre-cc (+pc <mi 1,858 (1,798 without legs) x 1,240 x 740</mi 	Inverter 10.9 Dated galvanized steel owder coating for -BS trunsELL SY 8/1 or simil 1,858 (1,798 without legs) x 1,240 x 740	Inverter 10.9 - sheets /pe) lar> 1,858 (1,798 without legs) x 1,240 x 740
	Case heater	kW	9.8 Pre-cc (+pc <mi (1,798="" (70-13="" 1,240="" 1,858="" 16="" 73-3="" 740="" legs)="" td="" without="" without<="" x=""><td>10.9</td><td>10.9 - sheets ype) ilar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without</td><td>10.9 Pre-cc (+pc <mi (1,798="" (70-13="" 1,240="" 1.858="" 16="" 73-3="" 740="" legs)="" td="" without="" without<="" x=""><td>Inverter 10.9 aled galvanized steel owder coating for -BS t UNSELL 5Y 8/1 or simi 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without</td><td>Inverter 10.9 - sheets (pe) lar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without</td></mi></td></mi>	10.9	10.9 - sheets ype) ilar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without	10.9 Pre-cc (+pc <mi (1,798="" (70-13="" 1,240="" 1.858="" 16="" 73-3="" 740="" legs)="" td="" without="" without<="" x=""><td>Inverter 10.9 aled galvanized steel owder coating for -BS t UNSELL 5Y 8/1 or simi 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without</td><td>Inverter 10.9 - sheets (pe) lar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without</td></mi>	Inverter 10.9 aled galvanized steel owder coating for -BS t UNSELL 5Y 8/1 or simi 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without	Inverter 10.9 - sheets (pe) lar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without
External dimension	Case heater	mm in.	9.8	10.9 pated galvanized steel swder coating for -BS translated State (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	10.9 - sheets ype) ilar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	10.9	Inverter 10.9	Inverter 10.9 - sheets ype) lar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16
External dimension	Case heater n HxWxD High pressure pre	mm in.	9.8	ated galvanized steel: owder coating for -BS ty JNSELL 5Y 8/1 or simi 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch	10.9 - sheets ype) llar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi)	10.9	Inverter 10.9	Inverter 10.9 - sheets ype) lar> 1,858 (1,798 without legs) x 1,240 x 740 173-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi)
External dimension	Case heater n HxWxD High pressure pre Inverter circuit (CO	mm in.	9.8	10.9 pated galvanized steel swder coating for -BS translated State (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	10.9 - sheets ype) llar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi)	10.9	Inverter 10.9	Inverter 10.9 - sheets ype) lar> 1,858 (1,798 without legs) x 1,240 x 740 173-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi)
External dimension	Case heater n HxWxD High pressure pre Inverter circuit (CO Compressor	mm in.	9.8	ated galvanized steel: owder coating for -BS ty JNSELL 5Y 8/1 or simi 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch	10.9 - sheets ype) llar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi)	10.9	Inverter 10.9	Inverter 10.9 - sheets ype) lar> 1,858 (1,798 without legs) x 1,240 x 740 173-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi)
External dimension Protection devices	n HxWxD High pressure pre Inverter circuit (CO Compressor Fan motor	mm in. otection MP./FAN)	9.8	10.9 pated galvanized steel syder coating for -BS ty UNSELL 5Y 8/1 or simi 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16, High pressure switch protection, Over-current	10.9 - sheets ype) ilar> 1,858 (1,798 without legs) x 1,240 x 740 73.3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi) tt protection	10.9	Inverter 10.9 ated galvanized steel owder coating for -BS trussell. 5Y 8/1 or simi 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 trussell. High pressure switch protection, Over-curren	Inverter 10.9 - sheets ype) lar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi) t protection
External dimension Protection devices Refrigerant	Case heater n HxWxD High pressure pre Inverter circuit (CO Compressor	mm in. otection MP/FAN)	9.8	10.9 pated galvanized steel swder coating for -BS ty JNSELL 5Y 8/1 or simi 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16, High pressure switch protection, Over-curren -R410A x 10.8 kg (24 lbs)	10.9 - sheets ype) lar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi) tt protection - R410A x 10.8 kg (24 lbs)	10.9	Inverter 10.9	Inverter 10.9
Protection devices Refrigerant Net weight	n HxWxD High pressure pre Inverter circuit (CO Compressor Fan motor	mm in. otection MP./FAN)	9.8	10.9	10.9 - sheets ype) ilar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 at 1.5 MPa (601 psi) tt protection - R410A x 10.8 kg (24 lbs) 305 (673)	10.9 - Pre-cc (+pc (+pc (+pc (+pc (+pc (+pc (+pc (+	Inverter 10.9 ated galvanized steel buder coating for -BS to UNSELL 5Y 8/1 or simil 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16, High pressure switch protection, Over-curren R410A x 10.8 kg (24 lbs) 305 (673)	Inverter 10.9
Protection devices Refrigerant Net weight Heat exchanger	Case heater n HxWxD High pressure pre Inverter circuit (CO Compressor Fan motor Type x original ch	mm in. otection MP/FAN) harge kg (lbs)	9.8	10.9	10.9 - sheets ype) illar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi) tt protection R410A x 10.8 kg (24 lbs) 305 (673)	10.9	Inverter 10.9 anted galvanized steel souder coating for -BS to UNSELL 5Y 8/1 or simil 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 , High pressure switch protection, Over-curren R410A x 10.8 kg (24 lbs) 305 (673) stant cross fin & alumin	Inverter 10.9 - sheets (pe) Iar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi) t protection - R410A x 10.8 kg (24 lbs) 305 (673) ium tube
Protection devices Refrigerant Net weight Heat exchanger Pipe between unit	Case heater In HxWxD High pressure pre Inverter circuit (CO Compressor Fan motor Type x original children in the compressor Fan motor Type x original children in the compressor Fan motor Type x original children in the compressor Fan motor Type x original children in the compressor Fan motor Type x original children in the compressor Fan motor Type x original children in the compressor Fan motor Type x original children in the compressor Fan motor Type x original children in the compressor Fan	mm in. otection MP/FAN) marge kg (lbs) mm (in.)	9.8	ated galvanized steel: by order coating for -BS ty JNSELL 5Y 8/1 or simi 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 thigh pressure switch protection, Over-curren	10.9 - sheets ype) ilar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi) at protection R410A x 10.8 kg (24 lbs) 305 (673) ilium tube 15.88 (5/8) Brazed	10.9	Inverter 10.9 Jated galvanized steel swder coating for -BS t UNSELL 5Y 8/1 or simi 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 , High pressure switch protection, Over-curren	Inverter 10.9
Protection devices Refrigerant Net weight Heat exchanger Pipe between unit and distributor	Case heater n HxWxD High pressure pre Inverter circuit (CO Compressor Fan motor Type x original ch	mm in. otection MP/FAN) harge kg (lbs)	9.8	10.9 ated galvanized steel swder coating for -BS translated galvanized steel swder coating for -BS translated states (1,858 (1,798 without legs) x 1,240 x 740 (70-13/16 without legs) x 48-7/8 x 29-3/16 , High pressure switch protection, Over-curren - R410A x 10.8 kg (24 lbs) 305 (673) stant cross fin & alumin 15.88 (5/8) Brazed 28.58 (1-1/8) Brazed	10.9 - sheets ype) ilar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi) it protection	10.9	Inverter 10.9	Inverter 10.9
Protection devices Refrigerant Net weight Heat exchanger Pipe between unit	Case heater In HxWxD High pressure pre Inverter circuit (CO Compressor Fan motor Type x original children in the compressor Fan motor Type x original children in the compressor Fan motor Type x original children in the compressor Fan motor Type x original children in the compressor Fan motor Type x original children in the compressor Fan motor Type x original children in the compressor Fan motor Type x original children in the compressor Fan motor Type x original children in the compressor Fan	mm in. otection MP/FAN) marge kg (lbs) mm (in.)	9.8	ated galvanized steel: by order coating for -BS ty JNSELL 5Y 8/1 or simi 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 thigh pressure switch protection, Over-curren	10.9 - sheets ype) ilar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 at 4.15 MPa (601 psi) tt protection - R410A x 10.8 kg (24 lbs) 305 (673) nium tube 15.88 (5/8) Brazed 28.58 (1-1/8) Brazed 00VBK3	10.9	Inverter 10.9 Jated galvanized steel swder coating for -BS t UNSELL 5Y 8/1 or simi 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 , High pressure switch protection, Over-curren	Inverter 10.9

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2) + ErP Lot 21/6 calculation method to EN14825

	Indoor	Outdoor	Pipe length	Level difference	
Cooling	27°C DB/19°C WB	35°C DB/24°C WB	7.5m (24-9/16ft.)	0m (0ft.)	
	(81°F DB/66°F WB)	(95°F DB/75°F WB)	` ′	` ′	
Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)	

*3 Nominal heating conditions (subject to JIS B8615-2) Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)





<sup>Pipe lengin: 7.5 in (24-9) to 1.5, Exerci sinesciolo. 7 in (24-9)

Curovent registered

Cooling mode / Heating mode

Society of the static pressure option is available (30 Pa, 80 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O). Consult your dealer about the specification when setting External static pressure option.

Due to continuing improvement, above specification may be subject to change without notice.</sup>

PUHY-EP YSNW-A(-BS)



Specifications

Model			PU	HY-EP1250YSNW-A (-	·BS)	PU	HY-EP1300YSNW-A (-	BS)
Power source			3-phase	4-wire 380-400-415 V	50/60 Hz	3-phase	4-wire 380-400-415 V	50/60 Hz
Cooling capacity	*1	kW	·	140.0		· ·	146.0	
(Nominal)		BTU/h		477.700			498.200	
,	Power input	kW		38.99		40.55		
	EER	kW/kW	3.59		3.60			
	EER (ErP)+	kW/kW		4.24		4.31		
Temp. range of	Indoor	W.B.	1	5.0~24.0 °C (59~75 °F	=)	1	15.0~24.0 °C (59~75 °F	=)
cooling	Outdoor	D.B.		5.0~52.0 °C (23~126 °I			5.0~52.0 °C (23~126 °l	
	*2				Γ)	-		Γ)
Heating capacity	2			156.5			163.0	
(Max)		BTU/h		534,000			556,200	
	Power input	kW		42.52			44.78	
	COP	kW/kW		3.68			3.64	
	COP (ErP)+	kW/kW		4.01			4.09	
(Nomina	al) *3	kW		140.0			146.0	
		BTU/h		477,700			498,200	
	Power input	kW		30.76			31.71	
	COP	kW/kW		4.55			4.60	
Temp. range of	Indoor	D.B.	1	5.0~27.0 °C (59~81 °F	=)	1	15.0~27.0 °C (59~81 °F	-)
heating	Outdoor	W.B.		20.0~15.5 °C (-4~60 °F			20.0~15.5 °C (-4~60 °F	
Indoor unit		VV.D.		30% of outdoor unit ca			30% of outdoor unit ca	
	Total capacity		50~ I		pacity	50~1		pacity
connectable	Model / Quantity			P15~P250/3~50			P15~P250/3~50	
Sound pressure le		dB <a>		70.0 / 72.0			70.0 / 73.5	
(measured in ane								
Sound power leve		dB <a>		87.5 / 91.0			88.0 / 92.5	
(measured in ane								
	Refrigerant piping Liquid pipe mm (in.)			19.05(3/4) Brazed			19.05(3/4) Brazed	
diameter	Gas pipe	mm (in.)		41.28 (1-5/8) Brazed			41.28 (1-5/8) Brazed	
Set Model								
Model			PUHY-EP400YNW-A (-BS)	PUHY-EP400YNW-A (-BS)	PUHY-EP450YNW-A (-BS)	PUHY-EP400YNW-A (-BS)	PUHY-EP450YNW-A (-BS)	PUHY-EP450YNW-A (-BS)
FAN	Type x Quantity		Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Air flow rate	m³/min	270	270	305	270	305	305
		L/s	4,500	4.500	5.083	4.500	5.083	5.083
		cfm	9,534	9,534	10,770	9,534	10,770	10,770
	Control, Driving m			-control. Direct-driven b			-control. Direct-driven I	
	Motor output	kW	0.46 x 2	0.46 x 2	0.46 x 2	0.46 x 2	0.46 x 2	0.46 x 2
*5								
		ess.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH₂O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
Compressor	Туре			er scroll hermetic comp			er scroll hermetic comp	
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	10.9	10.9	12.4	10.9	12.4	12.4
	Case heater	kW	-	-	-	-	-	-
External finish			Pre-co	ated galvanized steel	sheets	Pre-co	pated galvanized steel	sheets
			(+pc	owder coating for -BS t	ype)	(+pc	owder coating for -BS t	ype)
			<mi< td=""><td>UNSELL 5Y 8/1 or simi</td><td>ilar></td><td><m></m></td><td>UNSELL 5Y 8/1 or sim</td><td>ilar></td></mi<>	UNSELL 5Y 8/1 or simi	ilar>	<m></m>	UNSELL 5Y 8/1 or sim	ilar>
External dimension	n HxWxD		1.858 (1.798 without	1,858 (1,798 without	1.858 (1.798 without	1,858 (1,798 without	1,858 (1,798 without	1,858 (1,798 without
		mm	legs) x 1,240 x 740	legs) x 1,240 x 740	legs) x 1,240 x 740	legs) x 1,240 x 740	legs) x 1,240 x 740	legs) x 1,240 x 740
					73-3/16 (70-13/16 without			73-3/16 (70-13/16 without
		in.	legs) x 48-7/8 x 29-3/16	legs) x 48-7/8 x 29-3/16	legs) x 48-7/8 x 29-3/16	legs) x 48-7/8 x 29-3/16	legs) x 48-7/8 x 29-3/16	legs) x 48-7/8 x 29-3/16
Protection	High pressure pr	ata ati a n						
					at 4.15 MPa (601 psi)		High pressure switch	
devices	Inverter circuit (CO	IVIP./FAIN)		protection, Over-curren	it protection		protection, Over-currer	it protection
	Compressor		-	-	-	-	-	-
	Fan motor		-	-	-	-	-	-
Refrigerant	Type x original ch					R410A x 10.8 kg (24 lbs)		
		kg (lbs)	305 (673)	305 (673)	305 (673)	305 (673)	305 (673)	305 (673)
Net weight		119 (120)						
		1 1.9 (1.00)	Salt-resi:	stant cross fin & alumir	nium tube	Salt-resi	stant cross fin & alumir	nium tube
Net weight Heat exchanger	t Liquid pipe	mm (in.)			nium tube 15.88 (5/8) Brazed	15.88 (5/8) Brazed		
Net weight Heat exchanger Pipe between unit		mm (in.)	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed
Net weight Heat exchanger Pipe between unit and distributor	Liquid pipe Gas pipe	mm (in.)	15.88 (5/8) Brazed 28.58 (1-1/8) Brazed	15.88 (5/8) Brazed 28.58 (1-1/8) Brazed	15.88 (5/8) Brazed 28.58 (1-1/8) Brazed	15.88 (5/8) Brazed 28.58 (1-1/8) Brazed	15.88 (5/8) Brazed 28.58 (1-1/8) Brazed	15.88 (5/8) Brazed 28.58 (1-1/8) Brazed
Net weight Heat exchanger Pipe between unit		mm (in.)	15.88 (5/8) Brazed 28.58 (1-1/8) Brazed Outdoo	15.88 (5/8) Brazed	15.88 (5/8) Brazed 28.58 (1-1/8) Brazed 00VBK3	15.88 (5/8) Brazed 28.58 (1-1/8) Brazed Outdoo	15.88 (5/8) Brazed	15.88 (5/8) Brazed 28.58 (1-1/8) Brazed 00VBK3

Notes:

٠,	, 2 Normal conduction (cas) out to the 20010 2, 12 2012 No calculation method to 2111 1020									
	Indoor		Indoor Outdoor		Level difference					
	Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)					
	Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)					









^{*} Cooling Induce Treating Induce *5 External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O). Consult your dealer about the specification when setting External static pressure option.
*Due to continuing improvement, above specification may be subject to change without notice.

PUHY-EP YSNW-A(-BS)



Specifications

Model				PUHY-EP1350YSNW-A (-BS)	
Power source		Î		3-phase 4-wire 380-400-415 V 50/60 Hz	
Cooling capacity	*1	kW		150.0	
Nominal)		BTU/h		511,800	
	Power input	kW		41.55	
	EER	kW/kW		3.61	
	EER (ErP)+	kW/kW	4.37		
emp. range of	Indoor	W.B.		15.0~24.0 °C (59~75 °F)	
ooling	Outdoor	D.B.		-5.0~52.0 °C (23~126 °F)	
leating capacity	*2	kW		168.0	
Max)		BTU/h		573,200	
	Power input	kW		46.53	
	COP	kW/kW		3.61	
	COP (ErP)+	kW/kW		4.17	
(Nominal) *3 k		kW		150.0	
		BTU/h	511,800		
	Power input	kW	32.32		
	Current input	Α	54.5-51.8-49.9		
	COP	kW/kW		4.64	
emp. range of	Indoor	D.B.		15.0~27.0 °C (59~81 °F)	
eating	Outdoor	W.B.		-20.0~15.5 °C (-4~60 °F)	
door unit	Total capacity			50~130% of outdoor unit capacity	
onnectable	Model / Quantity			P15~P250/3~50	
Sound pressure le measured in ane		dB <a>	70.5 / 74.5		
ound power leve	el	dB <a>		88.5 / 93.5	
efrigerant piping		mm (in.)		19.05(3/4) Brazed	
ameter	Gas pipe	mm (in.)		41.28 (1-5/8) Brazed	
et Model					
lodel			PUHY-EP450YNW-A (-BS)	PUHY-EP450YNW-A (-BS)	PUHY-EP450YNW-A (-BS)
ΔN	Type x Quantity		Propeller fan x 2	Propeller fan x 2	Propeller fan y 2

Set Model							
Model			PUHY-EP450YNW-A (-BS)	PUHY-EP450YNW-A (-BS)	PUHY-EP450YNW-A (-BS)		
FAN	AN Type x Quantity		Propeller fan x 2	Propeller fan x 2	Propeller fan x 2		
	Air flow rate	m³/min	305	305	305		
		L/s	5,083	5,083	5,083		
		cfm	10,770	10,770	10,770		
	Control, Driving	mechanism		Inverter-control, Direct-driven by motor			
	Motor output	kW	0.46 x 2	0.46 x 2	0.46 x 2		
	*5 External static p	ress.	0 Pa (0 mmH₂O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)		
Compressor	Туре		Inverter scroll hermetic compressor				
	Starting method		Inverter	Inverter	Inverter		
	Motor output	kW	12.4	12.4	12.4		
	Case heater	kW	-	-	-		
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type)				
				<munsell 1="" 5y="" 8="" or="" similar=""></munsell>			
External dimens	sion HxWxD	mm	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740		
		in.	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16		
Protection	otection High pressure protection		High pres	sure sensor, High pressure switch at 4.15 MP	a (601 psi)		

LACCITICI GITTCHSIOTT TIAVVAD		1111111	1,000 (1,700 Williout logs) x 1,240 x 740	1,000 (1,700 Without legs) x 1,240 x 740	1,000 (1,700 Without legs) x 1,240 x 740		
		in.	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16		
Protection	High pressure pro	otection	High press	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			
devices	Inverter circuit (CO	MP./FAN)		Over-heat protection, Over-current protection			
	Compressor		-	=	-		
	Fan motor		-	-	-		
Refrigerant	Type x original charge		R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)		
Net weight		kg (lbs)	305 (673)	305 (673)	305 (673)		
Heat exchanger				Salt-resistant cross fin & aluminium tube			
Pipe between unit	Liquid pipe	mm (in.)	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed		
and distributor	Gas pipe	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed		
Optional parts			Outdoor Twinning kit: CMY-Y300VBK3				
				Header: CMY-Y104/108/1010-G			

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2) + ErP Lot 21/6 calculation method to EN14825

*	()				
	Indoor	Outdoor	Pipe length	Level difference	
Cooling	27°C DB/19°C WB	35°C DB/24°C WB	7.5m (24-9/16ft.)	0m (0ft.)	
Cooming	(81°F DB/66°F WB)	(95°F DB/75°F WB)	7.511 (24-5/1616.)	om (oic)	
Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)	

*3 Nominal heating conditions (subject to JIS B8615-2) Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

Consult your dealer about the specification when setting External static pressure option. *Due to continuing improvement, above specification may be subject to change without notice.





Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O).

R2 (Heat Recovery) series



Simultaneous Heating and Cooling

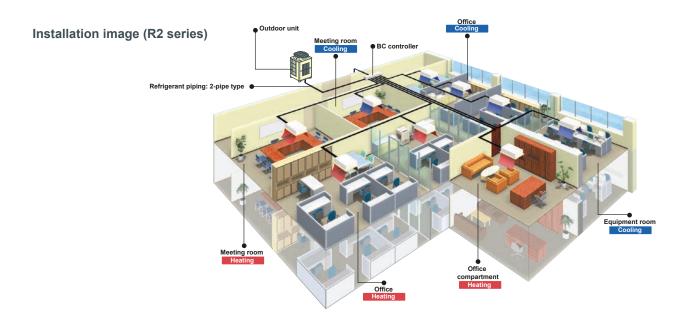
R2 series — PURY-P YNW-A(-BS) PURY-P YSNW-A(-BS)

PURY-EP YNW-A(-BS) PURY-EP YSNW-A(-BS)

The world's first two-pipe system that Simultaneously Heats and Cools

CITY MULTI R2 series offers the ultimate in freedom and flexibility, able to heat one zone while cooling another. Our exclusive BC controller makes two-pipe simultaneous cooling and heating possible. The BC controller is the technological heart of the CITY MULTI R2 series. It houses a liquid and gas separator, allowing the outdoor unit to deliver a mixture of hot gas for heating and liquid for cooling, all through the same pipe.

This innovation results in virtually no energy wasted by being expelled outdoors. Depending on capacity, up to 50 indoor units can be connected with up to 150% connected capacity.



System Pipe Lengths [P200-P1100 (R2 Series)]

.....550 [1,804]

[541(623)]

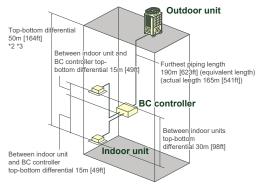
..... 40-90 [131-295]

..... 800 [2,624]

*Maximum total length is dependent upon the distance between the outdoor unit and the single/main BC Controller.

Vertical differentials between units Maximum meters [Feet] Indoor/outdoor (outdoor higher) · · · · · 50 [164]*3
Indoor/outdoor (outdoor lower) · · · · · 40 [131]*3 *Maximum length between single/main BC controller and indoor is dependent upon the vertical differential between the single/main BC controller and the indoor unit. Indoor/indoor ··············30 [98]
Main BC Controller/Sub-BC Controller ··· 15 [49]

*22HP (P550) can be used only in combination with others



*1 When you install a sub-BC controller, please refer to DATABOOK for full details.



Refrigerant Piping Lengths

Maximum allowable length · · · · · · ·

Maximum length between single/mai

BC controller and indoor ····

and sub-BC controller*1

Maximum length between outdoor and single/main BC controller · · · · · · 110 [360]

Total piping length P200-P300 · · · · · ·

P700-P1,100···

^{*2} When the outdoor unit is installed below the indoor unit, top-bottom differential is 40m [131ft].

*3 Depending on the model and installation conditions, top-bottom differential is 40m [295ft] (o/u above) and 60m [196ft] (o/u below) is available. For more detailed information, please contact your nearest sales office or distributor.

*4 Distance of Indoor sized P200, P250 from BC must be less than 10m [32ft], if any.

*5 Distance of Indoor sized P200, P250 from BC must be less than 20m [65ft], if any.

PURY-P YNW-A(-BS)



Specifications

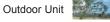
Model			PURY-P200YNW-A (-BS)	PURY-P250YNW-A (-BS)	PURY-P300YNW-A (-BS)	PURY-P350YNW-A (-BS)
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz			
Cooling capacity	*1	kW	22.4	28.0	33.5	40.0
(Nominal)		BTU/h	76,400	95,500	114,300	136,500
	Power input	kW	5.62	7.46	9.15	10.86
	EER	kW/kW	3.98	3.75	3.66	3.68
	EER (ErP)+	kW/kW	5.05	4.69	4.44	3.98
Temp. range of	Indoor	W.B.	15.0~24.0 °C (59~75 °F)			
cooling	Outdoor	D.B.	-5.0~52.0 °C (23~126 °F)			
Heating capacity	*2	kW	25.0	31.5	37.5	45.0
(Max)		BTU/h	85,300	107,500	128,000	153,500
	Power input	kW	5.98	7.68	9.97	11.50
	COP	Α	4.18	4.10	3.76	3.91
	COP (ErP)+	kW/kW	5.30	5.19	4.47	4.21
(Nomina	1) *3	kW	22.4	28.0	33.5	40.0
	D	BTU/h	76,400	95,500	114,300	136,500
	Power input	kW	4.14	5.27	6.8	8.84
	COP	kW/kW	5.41	5.31	4.92	4.52
Temp. range of	Indoor	D.B.	15.0~27.0 °C (59~81 °F)			
heating	Outdoor	W.B.	-20.0~15.5 °C (-4~60 °F)			
Indoor unit		VV.B.	50~150%	50~150%	50~150%	50~150%
	Total capacity		P15~P250/1~20	P15~P250/1~25	P15~P250/1~30	P15~P250/1~35
connectable Model / Quantity Sound pressure level			P15~P250/1~20	P 15~P250/ 1~25	P 15~P250/1~30	P15~P250/1~35
(measured in ane		dB <a>	59.0 / 59.0	60.5 / 61.0	61.0 / 67.0	62.5 / 64.0
Sound power leve	3110101001111					
(measured in ane		dB <a>	76.0 / 78.0	78.5 / 80.0	80.0 / 86.5	81.0 / 83.0
Refrigerant piping	311010100111) 1	mm (in.)	15.88 (5/8) Brazed	19.05 (3/4) Brazed	19.05 (3/4) Brazed	19.05 (3/4) Brazed
diameter	Low pressure	mm (in.)	19.05 (3/4) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed
FAN	Type x Quantity	111111 (111.)	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 2
IAN	Air flow rate	m³/min	170	185	240	250
	All llow rate	L/s	2,833	3,083	4,000	4,167
		cfm	6,003	6,532	8,474	8,828
	Control Driving m		Inverter-control, Direct-driven by motor			
	Motor output kW		0.92 x 1	0.92 x 1	0.92 x 1	0.46 x 2
*5			0.92 X 1 0 Pa (0 mmH ₂ O)	0.92 X 1 0 Pa (0 mmH ₂ O)	0.92 X 1 0 Pa (0 mmH ₂ O)	0.40 X 2 0 Pa (0 mmH₂O)
Compressor	Type	C33.			Inverter scroll hermetic compressor	
Compressor	Starting method		Inverter	Inverter	Inverter	Inverter
	Motor output	kW	5.6	7.0	7.9	10.2
	Case heater	kW	-	-	-	-
External finish	Oasc ricator	KVV			Pre-coated galvanized steel sheets	
External lillion			(+powder coating for -BS type)			
			<munsell 1="" 5y="" 8="" or="" similar=""></munsell>			
External dimensio	n HxWxD		1,858 (1,798 without legs) x			
zatornar amionoro		mm	920 x 740	920 x 740	920 x 740	1,240 x 740
					73-3/16 (70-13/16 without legs) x	
		in.	36-1/4 x 29-3/16	36-1/4 x 29-3/16	36-1/4 x 29-3/16	48-7/8 x 29-3/16
Protection	High pressure pro	otection			High pressure sensor, High pressure	
devices			switch at 4.15 MPa (601 psi)			
	Inverter circuit (CO	MP./FAN)	Over-heat protection.	Over-heat protection.	Over-heat protection.	Over-heat protection.
	(,	Over-current protection	Over-current protection	Over-current protection	Over-current protection
	Compressor		- '	-	- '	-
	Fan motor		-	-	-	-
Refrigerant	Type x original ch	narge	R410A x 5.2 kg (12 lbs)	R410A x 5.2 kg (12 lbs)	R410A x 5.2 kg (12 lbs)	R410A x 8.0 kg (18 lbs)
Net weight	, ,,	kg (lbs)	229 (505)	229 (505)	231 (510)	273 (602)
Heat exchanger		1 ()	Salt-resistant cross fin & copper tube			
Optional parts				Joint: CMY-R160-J1 BC controller: CMB-	P104,106,108, 1016V-J 12,1016V-JA, KA	

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2) + ErP Lot 21/6 calculation method to EN14825

	Indoor	Outdoor	Pipe length	Level difference	
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)	
Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)	

*3 Nominal heating conditions (subject to JIS B8615-2) Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B.(6 °CW.B. (45 °FD.B./43 °FW.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)



Pipe lengui. 7.3 in (24-5) to Lf., Local anisolosis. 5 in (24-5). Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30Pa, 60Pa, 80Pa / 3.1mmHzO, 6.1mmHzO, 8.2mmHzO).

Consult your dealer about the specification when setting External static pressure option.

*Due to continuing improvement, above specification may be subject to change without notice.

PURY-P YNW-A(-BS)



Specifications

Model			PURY-P400YNW-A (-BS)	PURY-P450YNW-A (-BS)	PURY-P500YNW-A (-BS)
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity	*1	kW	45.0	50.0	56.0
(Nominal)		BTU/h	153,500	170,600	191,100
,	Power input	kW	12.93	14.92	16.23
	EER	kW/kW	3.48	3.35	3.45
	EER (ErP)+	kW/kW	3.88	4.04	4.40
Temp. range of		W.B.	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)
	Indoor		-5.0~52.0 °C (23~126 °F)	-5.0~52.0 °C (23~126 °F)	
cooling	Outdoor	D.B.			-5.0~52.0 °C (23~126 °F)
Heating capacity	*2		50.0	56.0	63.0
Max)		BTU/h	170,600	191,100	215,000
	Power input	kW	13.92	16.47	16.23
	COP	Α	3.59	3.40	3.88
	COP (ErP)+	kW/kW	3.66	4.15	4.12
(Nominal) *3	kW	45.0	50.0	56.0
`	,	BTU/h	153,500	170,600	191.100
	Power input	kW	10.29	10.91	12.09
	COP				
	COP	kW/kW	4.37	4.58	4.63
			45.0.07.0.90 (50.04.05)	45.0.07.0.90 (50.01.05)	45.0.07.0.00 (50.04.05)
Temp. range of	Indoor	D.B.	15.0~27.0 °C (59~81 °F)	15.0~27.0 °C (59~81 °F)	15.0~27.0 °C (59~81 °F)
eating Outdoor W.B.		W.B.	-20.0~15.5 °C (-4~60 °F)	-20.0~15.5 °C (-4~60 °F)	-20.0~15.5 °C (-4~60 °F)
ndoor unit	door unit Total capacity		50~150%	50~150%	50~150%
connectable	Model / Quantity		P15~P250/1~40	P15~P250/1~45	P15~P250/1~50
Sound pressure le measured in anec		dB <a>	65.0 / 69.0	65.5 / 70.0	63.5 / 64.5
Sound power level measured in aned	,	dB <a>	83.0 / 88.0	83.0 / 89.0	82.0 / 84.0
Refrigerant piping		mm (in.)	22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed
liameter		()	00 50 (4 4(0) P	00 50 (4 4/0) Dans d	00 50 (4 4(0) Dans d
		mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed
-AN	Type x Quantity		Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Air flow rate	m³/min	315	315	295
		L/s	5,250	5,250	4,917
		cfm	11,123	11,123	10,416
	Control, Driving m	echanism	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.46 x 2	0.46 x 2	0.92 x 2
*5	External static pr		0 Pa (0 mmH₂O)		
Compressor	Type	000.	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	0 Pa (0 mmH ₂ O) Inverter scroll hermetic compressor
Joinpressor	Starting method		Inverter	Inverter	Inverter
		1.3.87	10.9	12.4	13.0
	Motor output	kW	10.9	12.4	13.0
	Case heater	kW	-	-	-
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <munsell 1="" 5y="" 8="" or="" similar=""></munsell>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <munsell 1="" 5y="" 8="" or="" similar=""></munsell>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <munsell 1="" 5y="" 8="" or="" similar=""></munsell>
External dimension	n HxWxD	mm	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x1,750 x 740
			73-3/16 (70-13/16 without legs) x	73-3/16 (70-13/16 without legs) x	73-3/16 (70-13/16 without legs) x
		in.	48-7/8 x 29-3/16	48-7/8 x 29-3/16	68-15/16 x 29-3/16
Protection devices	High pressure pro	otection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	
4011003	Inverter circuit (CO	MD /EARI	Over-heat protection,	Over-heat protection,	Over-heat protection,
	,	WP./FAN)	Over-neat protection, Over-current protection	Over-neat protection, Over-current protection	Over-neat protection, Over-current protection
Compressor			-	-	-
	Fan motor		-	-	-
Refrigerant	Type x original ch	narge	R410A x 8.0 kg (18 lbs)	R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)
Net weight	,,ga. or	kg (lbs)	273 (602)	293 (646)	337 (743)
leat exchanger		1.9 (103)	Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
Optional parts			San-resistant cross in a copper tube	Joint: CMY-R160-J1 Main BC controller:	Cart-resistant cross in a copper tube
				CMB-P108,1012,1016V-JA, CMB-P1016V-KA Sub BC controller: CMB-P104V-KB	

Notes:

,		()				
		Indoor	Outdoor	Pipe length	Level difference	
Ī	Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)	
_		((
	Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)	



^{*3} Nominal heating conditions (subject to JIS B8615-2)
Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
Eurovent registered
*4 Cooling mode / Heating mode
*5 External static pressure option is available (30Pa, 60Pa, 80Pa / 3.1mmH₂O, 6.1mmH₂O, 8.2mmH₂O).
Consult your dealer about the specification when setting External static pressure option.
*Due to continuing improvement, above specification may be subject to change without notice.

PURY-P YSNW-A(-BS)



Specifications

Model			PURY-P400Y	SNW-A (-BS)	PURY-P450Y	SNW-A (-BS)	PURY-P500Y	SNW-A (-BS)
Power source				400-415 V 50/60 Hz		400-415 V 50/60 Hz		-400-415 V 50/60 Hz
Cooling capacity	*1	kW		5.0		0.0		3.0
(Nominal)		BTU/h		,500		,600		,100
(Nominal)	Power input	kW		1.65	13.33		15.38	
	EER	kW/kW		.86	3.7			64
	EER (ErP)*	kW/kW		90		72		55
Temp. range of	Indoor	W.B.	15.0~24.0 °C (59~75 °F)		15.0~24.0 °C			C (59~75 °F)
cooling	Outdoor	D.B.	-5.0~52.0 °C		-5.0~52.0 °C			C (23~126 °F)
	*2			0.0		6.0		3.0
Heating capacity	2			,600		,100		,000
(Max)	D	BTU/h				.93		
	Power input	kW	12.					.82
	COP	kW/kW	4.0		4.0			98
(NI - main -	COP (ErP)*	kW/kW		14		09		03
(Nomina	al) "3	kW		5.0		0.0		3.0
	BTU/h			,500		,600		,100
	Power input	kW		58		63		.87
	COP	kW/kW	5	24	5.	19	5.	15
	l		450.0750	0 (50 04 %E)	450.0750	0 (50 04 %E)	450.0750	0 (50 04 %5)
Temp. range of	Indoor	D.B.	15.0~27.0 °C		15.0~27.0 °C			C (59~81 °F)
heating	Outdoor	W.B.		C (-4~60 °F)	-20.0~15.5 °			°C (-4~60 °F)
Indoor unit	Total capacity			door unit capacity		door unit capacity		door unit capacity
connectable	Model / Quantity		P15~P2	50/1~40	P15~P2	50/1~45	P15~P2	250/1~50
Sound pressure le		dB <a>	62.0	/ 62.0	63.0	/ 63.5	63.5	/ 64.0
(measured in ane		ub 71	02.07		00.0		00.0	
Sound power leve		dB <a>	79.0	/ 81 በ	80.5	/ 82.5	81.5 / 83.0	
	(measured in anechoic room) *4 dB <a>							
	Refrigerant piping High pressure mm (in.)			B) Brazed	22.2 (7/8			B) Brazed
diameter	Low pressure	mm (in.)	28.58 (1-1	/8) Brazed	28.58 (1-1	/8) Brazed	28.58 (1-1	/8) Brazed
Set Model								
Model				PURY-P200YNW-A (-BS)		PURY-P250YNW-A (-BS)		PURY-P250YNW-A (-BS)
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1
	Air flow rate	m³/min	170	170	170	185	185	185
		L/s	2,833	2,833	2,833	3,083	3,083	3,083
		cfm	6,003	6,003	6,003	6,532	6,532	6,532
	Control, Driving m	nechanism		ect-driven by motor		ect-driven by motor		rect-driven by motor
	Motor output	kW	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1
*5	External static p	ress.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH₂O)
Compressor	Туре			metic compressor		metic compressor		metic compressor
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	5.6	5.6	5.6	7.0	7.0	7.0
	Case heater	kW	-	-	-	-	-	-
External finish			Pre-coated galvar	nized steel sheets	Pre-coated galva	nized steel sheets	Pre-coated galva	nized steel sheets
			(+powder coatii	ng for -BS type)	(+powder coati	ng for -BS type)	(+powder coati	ng for -BS type)
			<munsell 5y<="" td=""><td>' 8/1 or similar></td><td><munsell 5y<="" td=""><td>' 8/1 or similar></td><td><munsell 5\<="" td=""><td>/ 8/1 or similar></td></munsell></td></munsell></td></munsell>	' 8/1 or similar>	<munsell 5y<="" td=""><td>' 8/1 or similar></td><td><munsell 5\<="" td=""><td>/ 8/1 or similar></td></munsell></td></munsell>	' 8/1 or similar>	<munsell 5\<="" td=""><td>/ 8/1 or similar></td></munsell>	/ 8/1 or similar>
External dimension	n HxWxD		1,858 (1,798 without	1,858 (1,798 without	1,858 (1,798 without	1,858 (1,798 without	1,858 (1,798 without	1,858 (1,798 without
		mm	legs) x 920 x 740	legs) x 920 x 740	legs) x 920 x 740	legs) x 920 x 740	legs) x 920 x 740	legs) x 920 x 740
			73-3/16 (70-13/16 without	73-3/16 (70-13/16 without	73-3/16 (70-13/16 without	73-3/16 (70-13/16 without	73-3/16 (70-13/16 without	73-3/16 (70-13/16 without
		in.	legs) x 36-1/4 x 29-3/16	legs) x 36-1/4 x 29-3/16	legs) x 36-1/4 x 29-3/16	legs) x 36-1/4 x 29-3/16	legs) x 36-1/4 x 29-3/16	legs) x 36-1/4 x 29-3/16
Protection	High pressure pr	otection	High pressure sensor,	High pressure switch	High pressure sensor	High pressure switch	High pressure sensor	High pressure switch
devices	•		at 4.15 MP	a (601 psi)	at 4.15 MF	Pa (601 psi)	at 4.15 MF	Pa (601 psi)
Inverter circui		MP./FAN)	Over-heat protection, 0	Over-current protection	Over-heat protection,	Over-current protection	Over-heat protection,	Over-current protection
	Compressor		-	-	-	-	-	-
	Fan motor		-	-	-	-	-	-
Refrigerant	Type x original c	harge	R410A x 5.2	2 kg (12 lbs)	R410A x 5.2	2 kg (12 lbs)	R410A x 5.	2 kg (12 lbs)
Net weight	. ,,g	kg (lbs)	229 (505)	229 (505)	229 (505)	229 (505)	229 (505)	229 (505)
Heat exchanger		5 ()		s fin & copper tube		s fin & copper tube		s fin & copper tube
Pipe between unit	High pressure	mm (in.)	15.88 (5/8) Brazed		15.88 (5/8) Brazed		19.05 (3/4) Brazed	
and distributor	Low pressure	mm (in.)	19.05 (3/4) Brazed	19.05 (3/4) Brazed	19.05 (3/4) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed
Optional parts	LOW Prossuic	141111 (111.)		cit: CMY-R100VBK4		kit: CMY-R100VBK4		kit: CMY-R100VBK4
Spiloriai parto			Joint: CMY-R160-J1	MIL. OWN 1-17 TOU V DITA	Joint: CMY-R160-J1	MIL OWN 1=11 100 V DI14	Joint: CMY-R160-J1	AIL OWITH TOUVERN
				1012.1016V-JA.CMB-P1016V-KA		1012,1016V-JA,CMB-P1016V-KA		1012,1016V-JA,CMB-P1016V-KA
				r: CMB-P104V-KB	Sub BC controller			r: CMB-P104V-KB
			220 00 0011101101		Cab DO contione		Cab bo controlle	

Notes:

	Indoor	Outdoor	Pipe length	Level difference	
Cooling	27°C DB/19°C WB	35°C DB/24°C WB	7.5m (24-9/16ft.)	0m (0ft.)	
Cooming	(81°F DB/66°F WB)	(95°F DB/75°F WB)	,	. (. ,	
Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)	



^{*3} Nominal heating conditions (subject to JIS B8615-2)
Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B.)6 °CW.B. (45 °FD.B./43 °FW.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
Eurovent registered
*4 Cooling mode / Heating mode
*5 External static pressure option is available (30Pa, 60Pa, 80Pa / 3.1mmH₂O, 6.1mmH₂O, 8.2mmH₂O).
Consult your dealer about the specification when setting External static pressure option.
*Due to continuing improvement, above specification may be subject to change without notice.

PURY-P YSNW-A(-BS)



Specifications

Model			PURY-P550Y			SNW-A (-BS)	PURY-P650Y	
Power source		,		400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz	
Cooling capacity	*1	kW	63		69.0			3.0
(Nominal)		BTU/h	215	,000	235	,400	249	,100
	Power input	kW	17	.54	19.43		20.50	
	EER	kW/kW	3.	59	3.	55	3.	56
	EER (ErP)+	kW/kW	4.	35	4.	15	4.	01
Temp. range of	Indoor	W.B.	15.0~24.0 °C	C (59~75 °F)	15.0~24.0 °	C (59~75 °F)	15.0~24.0 °C	C (59~75 °F)
cooling	Outdoor	D.B.	-5.0~52.0 °C	(23~126 °F)	-5.0~52.0 °C	(23~126 °F)	-5.0~52.0 °C	(23~126 °F)
Heating capacity	*2	kW		0.0		3.5	81	.5
(Max)		BTU/h	235	400	261	,000	278	,100
` ,	Power input	kW	18	.11	20	.95	21	.90
	COP	kW/kW	3.	81	3.	65	3.	72
	COP (ErP)+	kW/kW	4.	69	4.	34	4.:	21
(Nomina	ıl) *3	kW	63	3.0	69	9.0	73	3.0
,	,	BTU/h	215	.000	235	,400	249	.100
	Power input	kW	13			.26	16	
	COP	kW/kW	4.			52		45
						? –		
Temp. range of	Indoor	D.B.	15.0~27.0 °C	C (59~81 °F)	15.0~27.0 °	C (59~81 °F)	15.0~27.0 °C	C (59~81 °F)
heating	Outdoor	W.B.	-20.0~15.5 °			C (-4~60 °F)	-20.0~15.5 °	
Indoor unit	Total capacity	,		loor unit capacity		door unit capacity	50~150% of outo	
connectable	Model / Quantity		P15~P2			50/2~50		50/2~50
Sound pressure le								
(measured in ane		dB <a>	64.0	68.0	64.0	/ 70.0	65.0	69.0
Sound power leve								
(measured in ane		dB <a>	82.5	87.5	83.0 / 89.5		83.5 / 88.5	
Refrigerant piping	0110101001111		22 2 (7/8) Brazed (1-	1/8 (28.58) Brazed for	r 22.2 (7/8) Brazed (1-1/8 (28.58) Brazed for		00.50 (4.4%) 5	
diameter			the part that e			exceeds 65 m)	28.58 (1-1/8) Brazed	
didiffictor	Low pressure	mm (in.)		/8) Brazed		/8) Brazed	28.58 (1-1	/8) Brazed
Set Model			,	,	,		,	
Model			PURY-P250YNW-A (-BS)	PURY-P300YNW-A (-BS)	PURY-P300YNW-A (-BS)	PURY-P300YNW-A (-BS)	PURY-P300YNW-A (-BS)	PURY-P350YNW-A (-BS)
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 2
	Air flow rate	m³/min	185	240	240	240	240	250
		L/s	3,083	4,000	4,000	4,000	4,000	4,167
		cfm	6,532	8,474	8,474	8,474	8,474	8,828
	Control, Driving m	echanism	Inverter-control, Dir	ect-driven by motor	Inverter-control, Dir	ect-driven by motor	Inverter-control, Dir	ect-driven by motor
	Motor output	kW	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.46 x 2
*5	External static pro	ess.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
Compressor	Туре		Inverter scroll her	metic compressor	Inverter scroll her	metic compressor	Inverter scroll her	metic compressor
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	7.0	7.9	7.9	7.9	7.9	10.2
	Case heater	kW	-	-	-	-	-	-
External finish	•		Pre-coated galva	nized steel sheets	Pre-coated galva	nized steel sheets	Pre-coated galvar	nized steel sheets
			(+powder coati	ng for -BS type)	(+powder coati	ng for -BS type)	(+powder coat	ing for -BS type)
			<munsell 5y<="" td=""><td>8/1 or similar></td><td><munsell 5\<="" td=""><td>' 8/1 or similar></td><td><munsell 5y<="" td=""><td>8/1 or similar></td></munsell></td></munsell></td></munsell>	8/1 or similar>	<munsell 5\<="" td=""><td>' 8/1 or similar></td><td><munsell 5y<="" td=""><td>8/1 or similar></td></munsell></td></munsell>	' 8/1 or similar>	<munsell 5y<="" td=""><td>8/1 or similar></td></munsell>	8/1 or similar>
External dimensio	n HxWxD		1,858 (1,798 without	1,858 (1,798 without	1,858 (1,798 without	1,858 (1,798 without	1,858 (1,798 without	1,858 (1,798 without
		mm	legs) x 920 x 740	legs) x 920 x 740	legs) x 920 x 740	legs) x 920 x 740	legs) x 920 x 740	legs) x 1,240 x 740
				73-3/16 (70-13/16 without		73-3/16 (70-13/16 without	73-3/16 (70-13/16 without	
		in.	legs) x 36-1/4 x 29-3/16	legs) x 36-1/4 x 29-3/16	legs) x 36-1/4 x 29-3/16	legs) x 36-1/4 x 29-3/16	legs) x 36-1/4 x 29-3/16	legs) x 48-7/8 x 29-3/16
Protection	High pressure pro	otection	High pressure sensor	High pressure switch	High pressure sensor	High pressure switch	High pressure sensor.	
devices			at 4.15 MP	a (601 psi)	at 4.15 MF	a (601 psi)	at 4.15 MP	a (601 psi)
	Inverter circuit (CO	MP./FAN)	Over-heat protection, (Over-current protection	Over-heat protection,	Over-current protection	Over-heat protection, 0	Over-current protection
	Compressor		-	-	-	-	-	-
	Fan motor		-	-	-	-	-	-
Refrigerant	Type x original ch	narge	R410A x 5.2 kg (12 lbs)	R410A x 5.2 kg (12 lbs)	R410A x 5.2 kg (12 lbs)	R410A x 5.2 kg (12 lbs)	R410A x 5.2 kg (12 lbs)	R410A x 8.0 kg (18 lbs
Net weight	, ,,	kg (lbs)	229 (505)	231 (510)	231 (510)	231 (510)	231 (510)	273 (602)
Heat exchanger	-			s fin & copper tube		s fin & copper tube		s fin & copper tube
Pipe between unit	High pressure	mm (in.)	19.05 (3/4) Brazed	19.05 (3/4) Brazed	19.05 (3/4) Brazed	19.05 (3/4) Brazed	19.05 (3/4) Brazed	19.05 (3/4) Brazed
and distributor	Low pressure	mm (in.)	22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed		28.58 (1-1/8) Brazed
Optional parts	1-211 p. 500010	(!!!.)		it: CMY-R100VBK4		kit: CMY-R100VBK4	Outdoor Twinning k	
- para para			Joint: CMY-R160-J1	III. OWITH TOUVEN	Joint: CMY-R160-J1	W. ONIT-111001DIN	Joint: CMY-R160-J1	ONIT-11100VDIN4
				012,1016V-JA,CMB-P1016V-KA		1012 1016V-JA CMR-P1016V-KA	Main BC controller: CMB-P108,1	012 1016V-JA CMR-P1016V-K
				- CMR-P104V-KR		r: CMR_P104V_KR		- CMR-P104V-KR

Sub BC controller: CMB-P104V-KB

Sub BC controller: CMB-P104V-KB

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2) + ErP Lot 21/6 calculation method to EN14825

		Indoor	Outdoor	Pipe length	Level difference	
	Cooling	27°C DB/19°C WB	35°C DB/24°C WB	7.5m (24-9/16ft.)	0m (0ft.)	
Cooming	(81°F DB/66°F WB)	(95°F DB/75°F WB)	7.011 (2.1.0/1012)	0 (0.1)		
	Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)	

Sub BC controller: CMB-P104V-KB

*3 Nominal heating conditions (subject to JIS B8615-2) Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)



Eurovent registered
*4 Cooling mode / Heating mode

⁴ Cooling mode? Healing mode
5 External static pressure option is available (30Pa, 60Pa, 80Pa / 3.1mmH₂O, 6.1mmH₂O, 8.2mmH₂O).
Consult your dealer about the specification when setting External static pressure option.

*Due to continuing improvement, above specification may be subject to change without notice.

PURY-P YSNW-A(-BS)



Specifications

Model				PURY-P700Y		PURY-P750YSNW-A (-BS)		PURY-P800YSNW-A (-BS)	
Power source				3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz	
Cooling capacity	,	*1	kW	80		85.0			0.0
(Nominal)			BTU/h	273.		290,000		307,100	
	Power input		kW	22.	.47		.56		.62
	EER		kW/kW	3.5	56	3.4	46		38
	EER (ErP)*		kW/kW	3.8	86	3.	81	3.	76
Temp. range of Indoor W.B.		W.B.	15.0~24.0 °C	C (59~75 °F)	15.0~24.0 °C	C (59~75 °F)	15.0~24.0 °	C (59~75 °F)	
cooling	Outdoor		D.B.	-5.0~52.0 °C	(23~126 °F)	-5.0~52.0 °C	(23~126 °F)	-5.0~52.0 °C	(23~126 °F)
Heating capacity *2 kW		88	3.0	95	5.0	10	0.0		
(Max)			BTU/h	300.	.300	324	.100	341	,200
()	Power input	\neg	kW		.21		.09		.73
	COP		kW/kW	3.7		3.6			48
	COP (ErP)*		kW/kW	4.0		3.			55
(Nomina	1)	*3 k	ζM	80		85			0.0
(1401111114	,		BTU/h		,000		,000		,100
	Power input		ςW		.25		.71		.22
	COP		kW/kW	4.3		4.			24
	COP	K	KVV/KVV	4.,	30	4.	31	4.	24
Tomp range of	Indoor	+	D.B.	15.0~27.0 °C	^ (50~81 °E)	15.0~27.0 °C	^ (50~81 °E)	15.0~27.0 %	C (59~81 °F)
Temp. range of heating	Outdoor	+	<u> </u>	-20.0~15.5 °		-20.0~15.5 °			C (-4~60 °F)
			VV.B.		loor unit capacity	-20.0~15.5 50~150% of outo			door unit capacity
Indoor unit	Total capacity	4							
connectable	Model / Quanti	ιy		P15~P2	50/2~50	P15~P2	50/2~50	P15~P2	50/2~50
Sound pressure le			dB <a>	65.5	67.0	67.0	70.5	68.0	/ 72.0
(measured in ane		*4							
Sound power leve		,	dB <a>	84.0 /	/ 86.0	85.5	/ 89.5	86.0	/ 91.0
(measured in ane	onolo roomij	-4							
Refrigerant piping High pressure mm (in.)		28.58 (1-1		28.58 (1-1		28.58 (1-1/8) Brazed			
diameter	Low pressure	r	mm (in.)	34.93 (1-3	/8) Brazed	34.93 (1-3	/8) Brazed	34.93 (1-3	/8) Brazed
Set Model									1
Model						PURY-P350YNW-A (-BS)			
FAN	Type x Quantity			Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Air flow rate		m³/min	250	250	250	315	315	315
		L	L/s	4,167	4,167	4,167	5,250	5,250	5,250
			cfm	8,828	8,828	8,828	11,123	11,123	11,123
	Control, Driving	med	chanism	Inverter-control, Dir	ect-driven by motor	Inverter-control, Dir	ect-driven by motor	Inverter-control, Di	ect-driven by motor
	Motor output		kW	0.46 x 2	0.46 x 2	0.46 x 2	0.46 x 2	0.46 x 2	0.46 x 2
*5	External static	pres	SS.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
Compressor	Туре			Inverter scroll her	metic compressor	Inverter scroll her	metic compressor	Inverter scroll her	metic compressor
	Starting metho	d		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output		kW	10.2	10.2	10.2	10.9	10.9	10.9
	Case heater		kW	-	-	-	-	-	-
External finish				Pre-coated galvar	nized steel sheets	Pre-coated galvar	nized steel sheets	Pre-coated galva	nized steel sheets
				(+powder coatir	ng for -BS type)	(+powder coati	ng for -BS type)	(+powder coati	ng for -BS type)
					8/1 or similar>		′ 8/1 or similar>		' 8/1 or similar>
External dimensio	n HxWxD			1.858 (1.798 without	1.858 (1.798 without	1.858 (1.798 without	1.858 (1.798 without	1.858 (1.798 without	1.858 (1.798 without
			mm	legs) x 1,240 x 740	legs) x 1,240 x 740	legs) x 1,240 x 740	legs) x 1,240 x 740	legs) x 1,240 x 740	legs) x 1,240 x 740
					73-3/16 (70-13/16 without		73-3/16 (70-13/16 without		
			in.	legs) x 48-7/8 x 29-3/16	legs) x 48-7/8 x 29-3/16	legs) x 48-7/8 x 29-3/16		legs) x 48-7/8 x 29-3/16	legs) x 48-7/8 x 29-3/16
Protection	High pressure	prot	tection		High pressure switch		High pressure switch		High pressure switch
devices	J			at 4.15 MP		at 4.15 MP			Pa (601 psi)
	Inverter circuit (C	COM	IP/FAN)		Over-current protection		Over-current protection		Over-current protection
	Compressor		, . ,,	-	-	-	-	-	-
	Fan motor			_	_	_	_	_	_
Refrigerant	Type x original	cho	rne	R410A x 8 0 kg (18 lbc)	R410A x 8.0 kg (18 lbs)	R410A x 8.0 kg (18 lbs)	R410A x 8.0 kg (18 lbs)		R410A x 8.0 kg (18 lbs)
Net weight	Trype v original		kg (lbs)	273 (602)	273 (602)	273 (602)	273 (602)	273 (602)	273 (602)
Heat exchanger			rg (ibs)		s fin & copper tube		s fin & copper tube		s fin & copper tube
	I limb mr	Τ.		19.05 (3/4) Brazed		19.05 (3/4) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed
Pipe between unit			mm (in.)						
and distributor	Low pressure	Jr	nm (in.)			28.58 (1-1/8) Brazed			28.58 (1-1/8) Brazed
Optional parts				Outdoor Twinning k	at: CMY-R200VBK4	Outdoor Twinning k	at: CMY-R200VBK4		kit: CMY-R200VBK4
				Joint: CMY-R160-J1	040 40401/ 14 0545 54040****	Joint: CMY-R160-J1	1040 40401/ 14 0245 54040:	Joint: CMY-R160-J1	1040 4040// 14 CMD D4040:
					012,1016V-JA,CMB-P1016V-KA		012,1016V-JA,CMB-P1016V-KA		1012,1016V-JA,CMB-P1016V-KA
				Sub BC controller	: UMB-P104V-KB	Sub BC controller	: UMB-P104V-KB	Sub BC controlle	r: CMB-P104V-KB

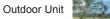
Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2) + ErP Lot 21/6 calculation method to EN14825

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

^{*3} Nominal heating conditions (subject to JIS B8615-2)

Indoor: 20° CD.B. (68° FD.B.), Outdoor: 7° CD.B./6° CW.B. (45° FD.B./43° FW.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)



Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30Pa, 60Pa, 80Pa / 3.1mmH₂O, 6.1mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

^{*}Due to continuing improvement, above specification may be subject to change without notice.

PURY-P YSNW-A(-BS)



Specifications

Model				SNW-A (-BS)	PURY-P900Y		PURY-P950Y	
Power source			3-phase 4-wire 380-	400-415 V 50/60 Hz	3-phase 4-wire 380-	400-415 V 50/60 Hz	3-phase 4-wire 380-	-400-415 V 50/60 Hz
Cooling capacity	*	1 kW	96	3.0	10	1.0	10	8.0
(Nominal)		BTU/h	327	,600	344,600		368	,500
,	Power input	kW	29	.00	31	.07	33	.23
	EER	kW/kW	3.3	31	3.2	25	3.	25
	EER (ErP)+	kW/kW	3.	84	3.	92	4.	09
Temp. range of	Indoor	W.B.	15.0~24.0 °C	C (59~75 °F)	15.0~24.0 °C		15.0~24.0 °C	C (59~75 °F)
cooling	Outdoor	D.B.		(23~126 °F)	-5.0~52.0 °C			(23~126 °F)
Heating capacity		2 kW		8.0		3.0		9.5
(Max)		BTU/h		.500		,600		,700
(Max)	Power input	kW		.85		.24		.85
	COP	kW/kW	3.3		3.3			53
	COP (ErP)+	kW/kW		79	4.			01
(Nomina		3 kW		3.0		1.0		8.0
(NOITIIIIa)	BTU/h		,600		,600		,500
	Power input	kW		, 000 .11		.74		.15
	COP	kW/kW						. 15 47
	COP	KVV/KVV	4.	34	4.	44	4.	47
Town source of	Indees	100	450.0700	2 (E0 04 °E)	450.0700	2 /E0 04 °E\	450.0700	C /EO 04 %E\
Temp. range of	Indoor	D.B.		C (59~81 °F)	15.0~27.0 °C			C (59~81 °F)
heating	Outdoor W.B.			C (-4~60 °F)	-20.0~15.5 °			C (-4~60 °F)
Indoor unit	Total capacity			door unit capacity		loor unit capacity		door unit capacity
connectable	Model / Quantity	/	P15~P2	50/2~50	P15~P2	50/2~50	P15~P2	250/2~50
Sound pressure le		dB <a>	68.5	/ 72.5	68.5	73.0	68.0	/ 71.5
(measured in ane		4 45 76	00.0	7.2.0	00.0		00.0	7 1.0
Sound power leve		dB <a>	86.0	/ 91.5	86.0	/ 92 0	85.5	/ 90.5
	(measured in anechoic room) *4 dB <a>							
Refrigerant piping	Refrigerant piping High pressure mm (in.)			/8) Brazed	28.58 (1-1		28.58 (1-1/8) Brazed	
diameter	diameter Low pressure mm (in.)		41.28 (1-5	/8) Brazed	41.28 (1-5	/8) Brazed	41.28 (1-5	i/8) Brazed
Set Model								
Model				PURY-P450YNW-A (-BS)		PURY-P450YNW-A (-BS)		PURY-P500YNW-A (-BS)
FAN	Type x Quantity		Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Air flow rate	m³/min	315	315	315	315	315	295
		L/s	5,250	5,250	5,250	5,250	5,250	4,917
		cfm	11,123	11,123	11,123	11,123	11,123	10,416
	Control, Driving r	nechanism	Inverter-control, Dir	ect-driven by motor	Inverter-control, Dir	ect-driven by motor	Inverter-control, Dir	rect-driven by motor
	Motor output	kW	0.46 x 2	0.46 x 2	0.46 x 2	0.46 x 2	0.46 x 2	0.92 x 2
*5	External static p	ress.	0 Pa (0 mmH₂O)	0 Pa (0 mmH₂O)	0 Pa (0 mmH₂O)	0 Pa (0 mmH₂O)	0 Pa (0 mmH₂O)	0 Pa (0 mmH₂O)
Compressor	Туре		Inverter scroll her	metic compressor	Inverter scroll her	metic compressor	Inverter scroll her	metic compressor
·	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	10.9	12.4	12.4	12.4	12.4	13.0
	Case heater	kW	-	-	-	-	-	-
External finish	•		Pre-coated galva	nized steel sheets	Pre-coated galva	nized steel sheets	Pre-coated galva	nized steel sheets
				ng for -BS type)		ng for -BS type)		ng for -BS type)
				' 8/1 or similar>		' 8/1 or similar>		/ 8/1 or similar>
External dimensio	n HxWxD			1,858 (1,798 without		1,858 (1,798 without		1,858 (1,798 without
		mm	legs) x 1,240 x 740	legs) x 1,240 x 740	legs) x 1,240 x 740	legs) x 1,240 x 740	legs) x 1,240 x 740	legs) x 1,750 x 740
				73-3/16 (70-13/16 without		73-3/16 (70-13/16 without		
		in.	legs) x 48-7/8 x 29-3/16	legs) x 48-7/8 x 29-3/16	legs) x 48-7/8 x 29-3/16			legs) x 68-15/16 x 29-3/16
Protection	High pressure p	rotection		High pressure switch		High pressure switch		
devices	riigii picaadic p	TOLCCLION		a (601 psi)	at 4.15 MP			Pa (601 psi)
devices	Inverter circuit (C	OMD /EANI)		Over-current protection		Over-current protection		
		OWF./FAIN)						Over-current protection
	Compressor		-	-	-	-	-	-
Defrience	Fan motor	haus-		- D440A v 40 0 l ··· (04 ")	- D440A v 40 0 l ··· (04 !! .)	- D440A v 40 0 l ··· (04 ")		D4404 × 40 0 1 = - (04 "
Refrigerant	Type x original						R410A x 10.8 kg (24 lbs)	
Net weight		kg (lbs)	273 (602)	293 (646)	293 (646)	293 (646)	293 (646)	337 (743)
Heat exchanger	T			s fin & copper tube		s fin & copper tube		s fin & copper tube
Pipe between unit		mm (in.)		22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed
and distributor	Low pressure	mm (in.)			28.58 (1-1/8) Brazed			
						:L OM/ D000/D1/4	I Outstand Testing in a 1	AL ONLY DOGGN /DIZA
Optional parts				kit: CMY-R200VBK4	Outdoor Twinning k	III: UMY-RZUUVBK4		kit: CMY-R200VBK4
Optional parts			Joint: CMY-R160-J1		Joint: CMY-R160-J1		Joint: CMY-R160-J1	
Optional parts			Joint: CMY-R160-J1 Main BC controller: CMB-P108,			1012,1016V-JA,CMB-P1016V-KA	Joint: CMY-R160-J1 Main BC controller	r: CMB-P1016V-KA

Sub BC controller: CMB-P104V-KB

Sub BC controller: CMB-P104V-KB

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2) + ErP Lot 21/6 calculation method to EN14825

-					
	Indoor	Outdoor	Pipe length	Level difference	
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)	
Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)	

Sub BC controller: CMB-P104V-KB

*3 Nominal heating conditions (subject to JIS B8615-2) Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)



Eurovent registered
*4 Cooling mode / Heating mode

^{*5} External static pressure option is available (30Pa, 60Pa, 80Pa / 3.1mmH₂O, 6.1mmH₂O, 8.2mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

*Due to continuing improvement, above specification may be subject to change without notice.

PURY-P YSNW-A(-BS)



Specifications

Cooling capacity (Nominal)	0-400-415 V 50/60 Hz 24.0 3,100 7.69 .60 8.81 °C (59~75 °F) C (23~126 °F) 40.0 7.794 .92 3.73 24.0 3,100 9.30 4.23 °C (59~81 °F) °C (4~60 °F) 40.0 17.73.0
Nominal Power input	3,100 7.69 .60 8.81 °C (59~75 °F) C (23~126 °F) 40.0 7,700 7.94 .92 3.73 24.0 3,100 9.30 4.23 °C (59~81 °F) °C (-4~60 °F) tdoor unit capacity 250/3~50
Power input	7.69 .60 .80 .81 °C (59~75 °F) C (23~126 °F) 40.0 7.700 7.94 .92 .8.73 24.0 3,100 9,30 4.23 °C (59~81 °F) °C (-4~60 °F) tdoor unit capacity 250/3~50
EER	.60 3.81 °C (59~75 °F) C (23~126 °F) 40.0 7,700 7,94 .92 3.73 24.0 3,100 9.30 4.23 °C (59~81 °F) °C (-4~60 °F) tdoor unit capacity 250/3~50
EER (ErP)	8.81 °C (59~75 °F) C (23~126 °F) 40.0 7,700 7,94 92 3.73 24.0 3,100 9.30 4.23 °C (59~81 °F) °C (-4~60 °F) tdoor unit capacity 250/3~50
Temp. range of cooling	°C (59~75 °F) C (23~126 °F) 40.0 7,700 7,94 .92 3.73 24.0 3,100 9.30 1.23 °C (59~81 °F) °C (4~60 °F) tdoor unit capacity 250/3~50
Cooling	C (23~126 °F) 40.0 7,700 7,94 .92 3,73 24.0 3,100 9,30 1,23 °C (59~81 °F) °C (-4~60 °F) tdoor unit capacity 250/3~50
Heating capacity	40.0 7,700 7,794 .92 8.73 24.0 3,100 9.30 4.23 °C (59~81 °F) °C (-4-60 °F) tdoor unit capacity 250/3~50
Max Power input KW 33.77 39.52	7,700 7,94 92 3,73 24.0 3,100 9,30 4.23 °C (59~81 °F) °C (4~60 °F) tdoor unit capacity 250/3~50
Power input RW 33.77 39.52	7.94 .92 .3.73 .24.0 .3.100 .9.30 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1.23 .1
COP (ErP)* kW/kW	.92 3.73 24.0 3.100 9.30 1.23 °C (59~81 °F) °C (-4~60 °F) tdoor unit capacity 250/3~50
COP (ErP)* KW/KW 4.00 3.87	3.73 24.0 3,100 9.30 4.23 °C (59~81 °F) °C (-4~60 °F) tdoor unit capacity 250/3~50
Nominal **3	24.0 3,100 9.30 1.23 °C (59~81 °F) °C (-4~60 °F) tdoor unit capacity 250/3~50
BTU/h 385,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,600 402,60	3,100 9.30 1.23 °C (59~81 °F) °C (-4~60 °F) tdoor unit capacity 250/3~50
Power input	9.30 4.23 °C (59~81 °F) °C (-4~60 °F) tdoor unit capacity 250/3~50
COP	4.23 °C (59~81 °F) °C (-4~60 °F) tdoor unit capacity (250/3~50
Temp. range of Indoor D.B. 15.0~27.0 °C (59~81 °F) 15.0~20.0	°C (59~81 °F) °C (-4~60 °F) tdoor unit capacity 250/3~50
Neating Outdoor W.B. -20.0~15.5 °C (4~60 °F) -20.0~15.5 °C (°C (-4~60 °F) tdoor unit capacity 250/3~50
Neating	°C (-4~60 °F) tdoor unit capacity 250/3~50
Total capacity	tdoor unit capacity 250/3~50
connectable Model / Quantity P15~P250/2~50 P15~P250/3~50 P25~P250/3~50 P25~P25	250/3~50
Sound pressure level (measured in anechoic room) *4 dB < A > 66.5 / 67.5 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 68.0 / 73.0 73.0 73.0 73.0 73.0 73.0 73.0 73.0 73.0 73.0 73.0 73.0 73.0 73.0 73.0 73.0 73.0 73.0 73.0 73.0 73.0 73.0 73.0 73.0 73.0 73.0 73.0 73.0 73.0 73.0 73.0 73.0 73.0 73.	
Model Pury-Psouynw-A (-Bs) Pury-Psouynw	170.0
Macaured in anechoic room	17.73 ()
Model	1773.0
Refrigerant piping High pressure mm (in.) 28.58 (1-1/8) Brazed 34.93 (1-3/8) Brazed 34.93 (1-3/8) Brazed 34.93 (1-3/8) Brazed 34.93 (1-3/8) Brazed 41.28 (1-5/8) Brazed 34.93 (1-5/8) Brazed 41.28 (1-5/8) Braz	5 / 92.0
Down Description Descrip	17 92.0
Node Pury-P500YNW-A (-BS) Pury-P500YM-A (-BS) Pury-P500YN-A (-BS) Pury-P500YM-A (-BS) Pury-P500YM-A (-BS) Pury-P500YM-A (-	3/8) Brazed
Node PURY-P500YNW-A (-BS) PURY-P500YNW-A (-BS) PURY-P550YNW-A (-BS) PTC-S04FQ PAS	·5/8) Brazed
Type x Quantity	
Air flow rate	* PURY-P550YNW-A (-BS
L/s 4,917 4,917 4,917 6,833 6,833	Propeller fan x 2
Control, Driving mechanism Inverter-control, Direct-driven by motor Inverter-control, Direct-driven by mo	410
Control, Driving mechanism Inverter-control, Direct-driven by motor Inverter	6,833
Motor output	14,477
*5 External static press.	irect-driven by motor
Type	0.92 x 2
Starting method Inverter Inver	0 Pa (0 mmH ₂ O)
Motor output kW 13.0 13.0 13.0 14.3 14.3 Case heater kW - - - - - - External finish Pre-coated galvanized steel sheets (+powder coating for -BS type) Pre-coated galvanized steel sheets (+powder coating for -BS type) Pre-coated galvanized steel sheets (+powder coating for -BS type) (+powder coating for -BS type) (+powder coating for -BS type)	ermetic compressor
Case heater kW	Inverter
External finish Pre-coated galvanized steel sheets Pre-coated galvanized steel sheets (+powder coating for -BS type) (+powder coating for -BS type) (+powder coating for -BS type)	14.3
(+powder coating for -BS type) (+powder coating for -BS type) (+powder co	-
	anized steel sheets
MINSELL 5V 8/1 or similar MINSELL 5V 8/1 or similar MINSELL	ting for -BS type)
	Y 8/1 or similar>
	t 1,858 (1,798 withou
legs) x 1,750 x 740 legs) x 1,750 x 1,	
	it 73-3/16 (70-13/16 withou
legs) x 68-15/16 x 29-3/16 legs) x 68-15/16 x 29	6 legs) x 68-15/16 x 29-3/1
	or, High pressure switch
	Pa (601 psi)
	Over-current protection
Compressor	_
Fan motor	
Refrigerant Type x original charge R410A x 10.8 kg (24 lbs) R410A x 10.	-
Net weight kg (lbs) 337 (743) 337 (743) 337 (743) 337 (743) 337 (743)	-) R410A x 10.8 kg (24 lbs
	-) R410A x 10.8 kg (24 lbs 337 (743)
Pipe between unit High pressure mm (in.) 22.2 (7/8) Brazed 22.2 (7	-) R410A x 10.8 kg (24 lbs 337 (743) ss fin & copper tube
and distributor Low pressure mm (in.) 28.58 (1-1/8) Brazed 2	-) R410A x 10.8 kg (24 lbs 337 (743) ss fin & copper tube 22.2 (7/8) Brazed
	-) R410A x 10.8 kg (24 lbs 337 (743) ss fin & copper tube 22.2 (7/8) Brazed 1 28.58 (1-1/8) Brazee
	-) R410A x 10.8 kg (24 lbs 337 (743) ss fin & copper tube 22.2 (7/8) Brazed d 28.58 (1-1/8) Brazet kit: CMY-R200VBK4
	- R410A x 10.8 kg (24 lbs 337 (743) ss fin & copper tube 22.2 (7/8) Brazed 1 28.58 (1-1/8) Brazer kit: CMY-R200VBK4 WY-Y102LS-G2,CMY-R160-J
Sub BC controller: CMB-P104V-KB Sub BC controller: CMB-P104V-K	-) R410A x 10.8 kg (24 lbs 337 (743) ss fin & copper tube 22.2 (7/8) Brazed 1 28.58 (1-1/8) Brazer kit: CMY-R200VBK4 MY-Y102LS-G2,CMY-R160-Jer: CMB-P1016V-KA

Notes:

^{*1,*2} Nominal conditions (subject to JIS B8615-2) + ErP Lot 21/6 calculation method to EN14825

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

*3 Nominal heating conditions (subject to JIS B8615-2) Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)



Fige length. 7.3 In (24-3) to (1.7), Everet uniteracte. 0 Int (0 ft.)

Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30Pa, 60Pa, 80Pa / 3.1mmHzO, 6.1mmHzO, 8.2mmHzO).

Consult your dealer about the specification when setting External static pressure option.

*Due to continuing improvement, above specification may be subject to change without notice.

*22HP (P550) can be used only in combination with others.

PURY-EP YNW-A(-BS)



Specifications

Model			PURY-EP200YNW-A (-BS)	PURY-EP250YNW-A (-BS)	PURY-EP300YNW-A (-BS)	PURY-EP350YNW-A (-BS)
Power source					3-phase 4-wire 380-400-415 V 50/60 Hz	
Cooling capacity	*1	kW	22.4	28.0	33.5	40.0
(Nominal)		BTU/h	76,400	95,500	114,300	136,500
` ,	Power input	kW	5.38	7.00	8.98	10.49
	EER	kW/kW	4.16	4.00	3.73	3.81
	EER (ErP)+	kW/kW	5.29	4.98	4.53	4.54
Temp. range of	Indoor	W.B.	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)
cooling	Outdoor	D.B.	-5.0~52.0 °C (23~126 °F)	-5.0~52.0 °C (23~126 °F)	-5.0~52.0 °C (23~126 °F)	-5.0~52.0 °C (23~126 °F)
Heating capacity	*2	kW	25.0	31.5	37.5	45.0
(Max)		BTU/h	85,300	107,500	128,000	153,500
	Power input	kW	5.88	7.59	9.94	11.59
	COP	kW/kW	4.25	4.15	3.77	3.88
	COP (ErP)+	kW/kW	5.47	5.26	4.48	4.39
(Nomina	I) EUROVENT *3	kW	22.4	28.0	33.5	40.0
`	,	BTU/h	76,400	95,500	114,300	136,500
	Power input	kW	3.95	5.23	6.80	8.78
	COP	kW/kW	5.67	5.35	4.92	4.55
1	100.					
Temp. range of	Indoor	D.B.	15.0~27.0 °C (59~81 °F)	15.0~27.0 °C (59~81 °F)	15.0~27.0 °C (59~81 °F)	15.0~27.0 °C (59~81 °F)
heating	Outdoor	W.B.	-20.0~15.5 °C (-4~60 °F)	-20.0~15.5 °C (-4~60 °F)	-20.0~15.5 °C (-4~60 °F)	-20.0~15.5 °C (-4~60 °F)
Indoor unit	Total capacity		50~150%	50~150%	50~150%	50~150%
connectable	Model / Quantity		P15~P250/1~20	P15~P250/1~25	P15~P250/1~30	P15~P250/1~35
Sound pressure le						
(measured in ane		dB <a>	59.0 / 59.0	60.5 / 61.0	61.0 / 67.0	62.5 / 64.0
Sound power leve						
(measured in ane		dB <a>	76.0 / 78.0	78.5 / 80.0	80.0 / 86.5	81.0 / 83.0
Refrigerant piping	311010100111) 1	mm (in.)	15.88 (5/8) Brazed	19.05 (3/4) Brazed	19.05 (3/4) Brazed	19.05 (3/4) Brazed
diameter	Low pressure	mm (in.)	19.05 (3/4) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed
FAN	Type x Quantity	111111 (111.)	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 2
IAN	Air flow rate	m³/min	170	185	240	250
	All llow rate	L/s	2,833	3,083	4.000	4,167
		cfm	6,003	6,532	8,474	8,828
					Inverter-control, Direct-driven by motor	
			0.92 x 1	0.92 x 1	0.92 x 1	0.46 x 2
*5	Motor output kW 5 External static press.					
		ess.	0 Pa (0 mmH₂O)	0 Pa (0 mmH₂O)	0 Pa (0 mmH₂O)	0 Pa (0 mmH ₂ O)
Compressor	Туре		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	
	Starting method	134/	Inverter	Inverter	Inverter	Inverter 10.2
	Motor output	kW	5.6	7.0	7.9	
F . 16 . 1	Case heater	kW		Pro aceted religional steel shoots	Pro costs d solvenized etcal about	- Pre-coated galvanized steel sheets
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type)	Pre-coated galvanized steel sheets (+powder coating for -BS type)	Pre-coated galvanized steel sheets (+powder coating for -BS type)	(+powder coating for -BS type)
			<pre><munsell 1="" 5y="" 8="" or="" similar=""></munsell></pre>	(*powder coaling for -BS type) <munsell 1="" 5y="" 8="" or="" similar=""></munsell>	<munsell 1="" 5y="" 8="" or="" similar=""></munsell>	(*powder coaling for -bS type) <munsell 1="" 5y="" 8="" or="" similar=""></munsell>
External dimension	n HvWvD		1.858 (1.798 without leas) x	1.858 (1.798 without leas) x	1,858 (1,798 without legs) x	1.858 (1.798 without leas) x
External dimension	IIIIAWAD	mm	920 x 740	920 x 740	920 x 740	1,240 x 740
					73-3/16 (70-13/16 without legs) x	
		in.	36-1/4 x 29-3/16	36-1/4 x 29-3/16	36-1/4 x 29-3/16	48-7/8 x 29-3/16
Protection	High pressure pro	tection			High pressure sensor, High pressure	
devices	r light pressure pro	Jiection	switch at 4.15 MPa (601 psi)	switch at 4.15 MPa (601 psi)	switch at 4.15 MPa (601 psi)	switch at 4.15 MPa (601 psi)
devices	Inverter circuit (CO	MP/FAN)	Over-heat protection,	Over-heat protection,	Over-heat protection,	Over-heat protection,
	Inverter direat (00	.,,,,,,,,	Over-current protection	Over-current protection	Over-current protection	Over-current protection
	Compressor					-
	Fan motor		-	-	-	-
Refrigerant	Type x original ch	argo	R410A x 5.2 kg (12 lbs)	R410A x 5.2 kg (12 lbs)	R410A x 5.2 kg (12 lbs)	R410A x 8.0 kg (18 lbs)
Net weight	Type x original ci	kg (lbs)	234 (516)	234 (516)	236 (521)	279 (616)
Heat exchanger		ry (ine)	Salt-resistant cross fin &	Salt-resistant cross fin &	Salt-resistant cross fin &	Salt-resistant cross fin &
rical chorialiyel			aluminium tube	aluminium tube	aluminium tube	aluminium tube
Optional parts				Joint: CMY-R160-J1 BC controller: CMB-	P104,106,108, 1016V-J 12,1016V-JA,	
				Sub BC controller: C		
				Jub Do cortifolier. C	1810-1 104 V-IVD	

Notes:

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	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB	35°C DB/24°C WB	7.5m (24-9/16ft.)	0m (0ft.)
Cooming	(81°F DB/66°F WB)	(95°F DB/75°F WB)	7.511 (24-5/1010)	J GIII (GIE.)
Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)





^{*3} Nominal heating conditions (subject to JIS B8615-2)
Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
Eurovent registered
*4 Cooling mode / Heating mode
*5 External static pressure option is available (30Pa, 60Pa, 80Pa / 3.1mmH₂O, 6.1mmH₂O, 8.2mmH₂O).
Consult your dealer about the specification when setting External static pressure option.
*Due to continuing improvement, above specification may be subject to change without notice.

PURY-EP YNW-A(-BS)



Specifications

Model			PURY-EP400YNW-A (-BS)	PURY-EP450YNW-A (-BS)	PURY-EP500YNW-A (-BS)
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity	*1	kW	45.0	50.0	56.0
(Nominal)		BTU/h	153,500	170,600	191,100
,	Power input	kW	12.82	13.55	16.09
	EER	kW/kW	3.51	3.69	3.48
	EER (ErP)+	kW/kW	3.97	4.66	4.41
Temp. range of	Indoor	W.B.	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)
cooling Outdoor D.B.			-5.0~52.0 °C (23~126 °F)	-5.0~52.0 °C (23~126 °F)	-5.0~52.0 °C (23~126 °F)
	*2				
Heating capacity	2		50.0	56.0	63.0
(Max)		BTU/h	170,600	191,100	215,000
	Power input	kW	13.26	15.86	15.14
	COP	kW/kW	3.77	3.53	4.16
	COP (ErP) ⁺	kW/kW	3.85	4.26	4.43
(Nomina	1) *3	kW	45.0	50.0	56.0
`	,	BTU/h	153,500	170,600	191,100
	Power input	kW	10.24	10.01	11.78
	COP	kW/kW	4.39	4.99	4.75
	001	KVV/KVV	4.00	4.55	4.75
Temp. range of	Indoor	D.B.	15.0~27.0 °C (59~81 °F)	15.0~27.0 °C (59~81 °F)	15.0~27.0 °C (59~81 °F)
heating	Outdoor	W.B.	-20.0~15.5 °C (-4~60 °F)	-20.0~15.5 °C (-4~60 °F)	-20.0~15.5 °C (-4~60 °F)
Indoor unit	Total capacity		50~150%	50~150%	50~150%
connectable	Model / Quantity		P15~P250/1~40	P15~P250/1~45	P15~P250/1~50
Sound pressure le (measured in ane		dB <a>	65.0 / 69.0	65.5 / 70.0	63.5 / 64.5
Sound power leve		dB <a>	83.0 / 88.0	83.0 / 89.0	82.0 / 84.0
Refrigerant piping			22.2 (7/0) Broad	22.2 (7/0) Broad	22.2 (7/0) Propert
diameter	Low pressure	mm (in.)	22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed
	1 1		28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed
FAN	Type x Quantity	1 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Air flow rate	m³/min	315	315	295
		L/s	5,250	5,250	4,917
		cfm	11,123	11,123	10,416
	Control, Driving m	echanism	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.46 x 2	0.46 x 2	0.92 x 2
*5	External static pr	ess.	0 Pa (0 mmH₂O)	0 Pa (0 mmH₂O)	0 Pa (0 mmH₂O)
Compressor	Type		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
00p. 0000.	Starting method		Inverter	Inverter	Inverter
	Motor output	kW	10.9	12.4	13.0
	Case heater	kW	10.9	12.4	13.0
<u> </u>	Case neater	KVV			
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <munsell 1="" 5y="" 8="" or="" similar=""></munsell>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <munsell 1="" 5y="" 8="" or="" similar=""></munsell>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <munsell 1="" 5y="" 8="" or="" similar=""></munsell>
External dimensio	n HyWyD	mm	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,750 x 740
omai aimonsio			73-3/16 (70-13/16 without legs) x	73-3/16 (70-13/16 without legs) x	73-3/16 (70-13/16 without legs) x
		in.	48-7/8 x 29-3/16	48-7/8 x 29-3/16	68-15/16 x 29-3/16
Protection devices	High pressure pr		at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	at 4.15 MPa (601 psi)
	Inverter circuit (CO	MP./FAN)	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection
	Compressor				
			•	-	-
	Fan motor				
Refrigerant	Type x original cl		R410A x 8.0 kg (18 lbs)	R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)
Net weight		kg (lbs)	282 (622)	306 (675)	345 (761)
Heat exchanger			Salt-resistant cross fin & aluminium tube	Salt-resistant cross fin & aluminium tube	Salt-resistant cross fin & aluminium tube
Optional parts				Joint: CMY-R160-J1 Main BC controller: CMB-P108,1012,1016V-JA, CMB-P1016V-KA	
				Sub BC controller: CMB-P104V-KB	

Notes:

*1.*2 Nominal conditions (subject to JIS B8615-2) + ErP Lot 21/6 calculation method to EN14825

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

*3 Nominal heating conditions (subject to JIS B8615-2)
Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
Eurovent registered
*4 Cooling mode / Heating mode
*5 External static pressure option is available (30Pa, 60Pa, 80Pa / 3.1mmHzO, 6.1mmHzO, 8.2mmHzO).
Consult your dealer about the specification when setting External static pressure option.
*Due to continuing improvement, above specification may be subject to change without notice.







PURY-EP YSNW-A(-BS)



Sub BC controller: CMB-P104V-KB

Specifications

Model			PURY-EP400`			YSNW-A (-BS)	PURY-EP500`	
Power source				400-415 V 50/60 Hz		400-415 V 50/60 Hz		400-415 V 50/60 Hz
Cooling capacity	*1			5.0		0.0		3.0
(Nominal)		BTU/h	153	,500	170	,600	191	,100
	Power input	kW	11	1.13	12	.62	14	.43
	EER	kW/kW	4.	04	3.	96	3.	88
	EER (ErP)+	kW/kW	5.	13	4.	98	4.	83
Temp. range of	Indoor	W.B.	15.0~24.0 °(C (59~75 °F)	15.0~24.0 °C	C (59~75 °F)	15.0~24.0 °C	C (59~75 °F)
cooling	Outdoor	D.B.		(23~126 °F)		(23~126 °F)		(23~126 °F)
Heating capacity	*2			0.0		6.0		3.0
(Max)	-	BTU/h		,600		.100		,000
(max)	Power input	kW		2.13		.75		.63
	COP	kW/kW		12	4.		4.0	
	COP (ErP)+	kW/kW		30		20		10
(Nomina		kW		5.0		0.0		5.0
(Nomina	11)			,500		,600		,100
		BTU/h						
	Power input	kW		17		35		.78
	COP	kW/kW	5.	50	5.	34	5.	19
			150 5		150 5-11		150 5	
Temp. range of	Indoor	D.B.		C (59~81 °F)		C (59~81 °F)		C (59~81 °F)
heating	Outdoor	W.B.		C (-4~60 °F)		C (-4~60 °F)		C (-4~60 °F)
Indoor unit	Total capacity		50~150% of outo			door unit capacity		door unit capacity
connectable	Model / Quantity		P15~P2	50/1~40	P15~P2	50/1~45	P15~P2	50/1~50
Sound pressure le		dB <a>	62.0	/ 62.0	63.0	/ 63.5	63.5	/ 64.0
(measured in ane	choic room) *4	ub \A>	02.07	7 02.0	03.0	7 03.3	03.3	7 04.0
Sound power leve		4D - 4>	79.0	/ 0.4 0	90.5	/ 82.5	01.5	1020
(measured in ane	choic room) *4	dB <a>	79.0	/ 81.0	80.5	/ 82.5	81.5	/ 83.0
Refrigerant piping	High pressure	mm (in.)	22.2 (7/8	3) Brazed	22.2 (7/8	B) Brazed	22.2 (7/8	3) Brazed
diameter	Low pressure	mm (in.)		/8) Brazed		/8) Brazed		/8) Brazed
Set Model		()		, ,		, , ,		,
Model			PURY-FP200YNW-A (-BS)	PURY-EP200YNW-A (-BS)	PURY-FP200YNW-A (-BS)	PURY-EP250YNW-A (-BS)	PURY-EP250YNW-A (-BS)	PURY-EP250YNW-A (-BS)
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1
	Air flow rate	m³/min	170	170	170	185	185	185
	7 til liow rato	L/s	2,833	2,833	2,833	3,083	3,083	3,083
		cfm	6.003	6.003	6.003	6.532	6.532	6.532
	Control, Driving m		-,	ect-driven by motor	-,	rect-driven by motor		ect-driven by motor
	Motor output	kW	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1
*5	External static pr		0.92 X 1 0 Pa (0 mmH ₂ O)	0.92 X 1 0 Pa (0 mmH ₂ O)	0.92 X 1 0 Pa (0 mmH ₂ O)	0.92 X 1 0 Pa (0 mmH ₂ O)	0.92 X 1 0 Pa (0 mmH ₂ O)	0.92 X 1 0 Pa (0 mmH ₂ O)
		ess.		metic compressor		metic compressor		metic compressor
Compressor	Туре							
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	5.6	5.6	5.6	7.0	7.0	7.0
	Case heater	kW		-	-	-		
External finish				nized steel sheets		nized steel sheets		nized steel sheets
				ng for -BS type)		ng for -BS type)		ng for -BS type)
				′ 8/1 or similar>		′ 8/1 or similar>		′ 8/1 or similar>
External dimensio	n HxWxD	mm		1,858 (1,798 without		1,858 (1,798 without	1,858 (1,798 without	
			legs) x 920 x 740	legs) x 920 x 740	legs) x 920 x 740	legs) x 920 x 740	legs) x 920 x 740	legs) x 920 x 740
		in.		73-3/16 (70-13/16 without		73-3/16 (70-13/16 without	73-3/16 (70-13/16 without	
		111.	legs) x 36-1/4 x 29-3/16	legs) x 36-1/4 x 29-3/16	legs) x 36-1/4 x 29-3/16	legs) x 36-1/4 x 29-3/16	legs) x 36-1/4 x 29-3/16	legs) x 36-1/4 x 29-3/16
Protection	High pressure pr	otection	High pressure sensor	High pressure switch	High pressure sensor	High pressure switch	High pressure sensor	High pressure switch
devices			at 4.15 MP	Pa (601 psi)	at 4.15 MP	Pa (601 psi)	at 4.15 MF	a (601 psi)
	Inverter circuit (CC	MP./FAN)	Over-heat protection, (
	Compressor	,	-	-	-	-	-	_
	Fan motor		-	-	-	-	-	-
Refrigerant	Type x original cl	narne	R410A x 5 2 kg (12 lbs)	R410A x 5 2 kg (12 lbe)	R410A x 5.2 kg (12 lbs)	R410A x 5 2 kg (12 lbe)	R410A x 5.2 kg (12 lbs)	R410A x 5 2 kg (12 lbs
Net weight	1 1 ypc x original or	kg (lbs)	234 (516)	234 (516)	234 (516)	234 (516)	234 (516)	234 (516)
Heat exchanger		ry (ins)		fin & aluminium tube		fin & aluminium tube		fin & aluminium tube
	I link manager:	mama (is- \						
Pipe between unit		mm (in.)	15.88 (5/8) Brazed		15.88 (5/8) Brazed	19.05 (3/4) Brazed	19.05 (3/4) Brazed	19.05 (3/4) Brazed
and distributor	Low pressure	mm (in.)	19.05 (3/4) Brazed		19.05 (3/4) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed
	Low pressure	mm (in.)	Outdoor Twinning k		Outdoor Twinning k	it: CMY-R100VBK4	Outdoor Twinning I	it: CMY-R100VBK4
and distributor	Low pressure	mm (in.)	Outdoor Twinning k Joint: CMY-R160-J1	kit: CMY-R100VBK4	Outdoor Twinning k Joint: CMY-R160-J1	kit: CMY-R100VBK4	Outdoor Twinning I Joint: CMY-R160-J1	kit: CMY-R100VBK4
and distributor	Low pressure	mm (in.)	Outdoor Twinning k Joint: CMY-R160-J1	iit: CMY-R100VBK4 I012,1016V-JA,CMB-P1016V-KA	Outdoor Twinning k	kit: CMY-R100VBK4 1012,1016V-JA,CMB-P1016V-KA	Outdoor Twinning I Joint: CMY-R160-J1	kit: CMY-R100VBK4 1012,1016V-JA,CMB-P1016V-F

Sub BC controller: CMB-P104V-KB

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2) + ErP Lot 21/6 calculation method to EN14825

	Indoor	Outdoor	Pipe length	Level difference
Clin-	27°C DB/19°C WB	35°C DB/24°C WB	7.5m (24-9/16ft.)	0 (06)
Cooling	(81°F DB/66°F WB)	(95°F DB/75°F WB)	7.5111 (24-9/1611.)	0m (0ft.)
Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

Sub BC controller: CMB-P104V-KB

*3 Nominal heating conditions (subject to JIS B8615-2)

Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

Eurovent registered





Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30Pa, 60Pa, 80Pa / 3.1mmH₂O, 6.1mmH₂O, 8.2mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

*Due to continuing improvement, above specification may be subject to change without notice.

PURY-EP YSNW-A(-BS)



Specifications

			PURY-EP550		PURY-EP600`		PURY-EP650	
Power source				400-415 V 50/60 Hz		400-415 V 50/60 Hz		400-415 V 50/60 Hz
Cooling capacity	*1	kW		3.0		9.0		3.0
(Nominal)		BTU/h	215	,000	235	,400	249	,100
	Power input	kW	16	.80	19	.06	19	.94
	EER	kW/kW	3.7	75	3.	62	3.	66
	EER (ErP)+	kW/kW		61		39		40
Temp. range of	Indoor	W.B.	15.0~24.0 °C			C (59~75 °F)	15.0~24.0 °C	
	Outdoor	D.B.		(23~126 °F)		(23~126 °F)		
cooling							-5.0~52.0 °C	
Heating capacity	*2	kW		9.0		3.5		.5
(Max)		BTU/h		,400		,000		,100
	Power input	kW		.96		.90	21	
	COP	kW/kW	3.	84	3.0	66	3.	71
	COP (ErP)+	kW/kW	4.	72	4.	35	4.	30
(Nomina	1) *3	kW	63	3.0	69	9.0	73	3.0
(-,	BTU/h		,000		,400	249	
	Power input	kW		.64		.46		.89
	COP			98		77	4.	
	COP	kW/kW	4.	98	4.	11	4.	59
Taman	Indees	D 5	45.0.07.0.00	2 (E0 04 °E)	450.0700	2 (E0 04 °E)	450.0700	2 (FO 04 °F)
Temp. range of	Indoor	D.B.	15.0~27.0 °C			C (59~81 °F)	15.0~27.0 °C	
heating	Outdoor	W.B.		C (-4~60 °F)		C (-4~60 °F)	-20.0~15.5 °	
Indoor unit	Total capacity			door unit capacity		door unit capacity	50~150% of outo	
connectable	Model / Quantity		P15~P2	50/2~50	P15~P2	50/2~50	P15~P2	50/2~50
Sound pressure le	evel	15 .4.	24.0	1000	04.0	170.0	25.0	1000
(measured in aned	choic room) *4	dB <a>	64.0	/ 68.0	64.0	/ 70.0	65.0	69.0
Sound power leve								
(measured in aned		dB <a>	82.5	/ 87.5	83.0 / 89.5		83.5	/ 88.5
Refrigerant piping			00 0 (7/0) Dropped (4 :	1/8 (28.58) Brazed for	22.2 (7/0) Promod (4	1/8 (28.58) Brazed for		
diameter	i ligit pressure	mm (in.)			the part that exceeds 65 m)		28.58 (1-1/8) Brazed	
ulametei		, ,		exceeds 65 m)			,	
	Low pressure	mm (in.)	28.58 (1-1	/8) Brazed	28.58 (1-1	/8) Brazed	28.58 (1-1	/8) Brazed
Set Model								
Model				PURY-EP300YNW-A (-BS)		PURY-EP300YNW-A (-BS)		PURY-EP350YNW-A (-BS)
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 2
	Air flow rate	m³/min	185	240	240	240	240	250
		L/s	3,083	4,000		4,000	4.000	
				4.000	4.000		4.000	4.167
					4,000 8 474		4,000 8 474	4,167 8,828
	Control Driving m	cfm	6,532	8,474	8,474	8,474	8,474	8,828
	Control, Driving me	cfm echanism	6,532 Inverter-control, Dir	8,474 rect-driven by motor	8,474 Inverter-control, Dir	8,474 rect-driven by motor	8,474 Inverter-control, Dir	8,828 ect-driven by motor
*5	Motor output	cfm echanism kW	6,532 Inverter-control, Dir 0.92 x 1	8,474 rect-driven by motor 0.92 x 1	8,474 Inverter-control, Dir 0.92 x 1	8,474 rect-driven by motor 0.92 x 1	8,474 Inverter-control, Dir 0.92 x 1	8,828 rect-driven by motor 0.46 x 2
	Motor output External static pro	cfm echanism kW	6,532 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH ₂ O)	8,474 rect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O)	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH ₂ O)	8,474 rect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O)	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH ₂ O)	8,828 rect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O)
	Motor output External static pro	cfm echanism kW	6,532 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH ₂ O) Inverter scroll her	8,474 rect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O) metic compressor	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH ₂ O) Inverter scroll her	8,474 rect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O) metic compressor	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH ₂ O) Inverter scroll her	8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor
	Motor output External static pro Type Starting method	cfm echanism kW ess.	6,532 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter	8,474 rect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O) metic compressor Inverter	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter	8,474 rect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O) metic compressor Inverter	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter	8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor Inverter
	Motor output External static pro	cfm echanism kW	6,532 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH ₂ O) Inverter scroll her	8,474 rect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O) metic compressor	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH ₂ O) Inverter scroll her	8,474 rect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O) metic compressor	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH ₂ O) Inverter scroll her	8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor
	Motor output External static pro Type Starting method	cfm echanism kW ess.	6,532 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter	8,474 rect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O) metic compressor Inverter	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter	8,474 rect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O) metic compressor Inverter	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter	8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor Inverter
Compressor	Motor output External static pre Type Starting method Motor output	cfm echanism kW ess.	6,532 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.0	8,474 rect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O) metic compressor Inverter	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.9	8,474 rect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O) metic compressor Inverter	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter 7.9	8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor Inverter
Compressor	Motor output External static pre Type Starting method Motor output	cfm echanism kW ess.	6,532 Inverter-control, Dir 0.92 x1 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter 7.0 - Pre-coated galvar	8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O) metic compressor Inverter 7.9	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter 7.9 Pre-coated galva	8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmHzO) metic compressor Inverter 7.9	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter 7.9 Pre-coated galval	8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ 0) metic compressor Inverter 10.2
	Motor output External static pre Type Starting method Motor output	cfm echanism kW ess.	6,532 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.0 - Pre-coated galvar (+powder coati	8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O) metic compressor Inverter 7.9 - nized steel sheets ng for -BS type)	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter 7.9 - Pre-coated galva (+powder coati	8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O) metic compressor Inverter 7.9 - nized steel sheets ng for -BS type)	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter 7.9 - Pre-coated galvai (+powder coatii	8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type)
Compressor External finish	Motor output External static pro Type Starting method Motor output Case heater	cfm echanism kW ess. kW	6,532 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.0 - Pre-coated galvat (+powder coatiat <munsell 5y<="" td=""><td>8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH₂O) metic compressor Inverter 7.9</td><td>8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH₂O) Inverter scroll her Inverter 7.9 - Pre-coated galva (+powder coatic</td><td>8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH₂O) metic compressor Inverter 7.9</td><td>8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH₂O) Inverter scroll her Inverter 7.9 - Pre-coated galvati (+powder coatial <munsell 5y<="" td=""><td>8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmHz0) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar></td></munsell></td></munsell>	8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O) metic compressor Inverter 7.9	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter 7.9 - Pre-coated galva (+powder coatic	8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O) metic compressor Inverter 7.9	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter 7.9 - Pre-coated galvati (+powder coatial <munsell 5y<="" td=""><td>8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmHz0) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar></td></munsell>	8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmHz0) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar>
Compressor External finish	Motor output External static pro Type Starting method Motor output Case heater	cfm echanism kW ess.	6,532 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.0 - Pre-coated galvar (+powder coatit <munsell (1,798="" 1,858="" 5y="" td="" without<=""><td>8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH₂O) metic compressor Inverter 7.9 nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without</td><td>8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.9 - Pre-coated galva (+powder coati <munsell (1,798="" 1,858="" sy="" td="" without<=""><td>8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH₂O) metic compressor Inverter 7.9 nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without</td><td>8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.9 - Pre-coated galvat (+powder coatit <munsell (1,798="" 1,858="" 5y="" td="" without<=""><td>8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH₂O) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without</td></munsell></td></munsell></td></munsell>	8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O) metic compressor Inverter 7.9 nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.9 - Pre-coated galva (+powder coati <munsell (1,798="" 1,858="" sy="" td="" without<=""><td>8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH₂O) metic compressor Inverter 7.9 nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without</td><td>8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.9 - Pre-coated galvat (+powder coatit <munsell (1,798="" 1,858="" 5y="" td="" without<=""><td>8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH₂O) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without</td></munsell></td></munsell>	8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O) metic compressor Inverter 7.9 nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.9 - Pre-coated galvat (+powder coatit <munsell (1,798="" 1,858="" 5y="" td="" without<=""><td>8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH₂O) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without</td></munsell>	8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without
Compressor External finish	Motor output External static pro Type Starting method Motor output Case heater	cfm echanism kW ess. kW	6,532 Inverter-control, Dir 0.92 x1 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter 7.0 - Pre-coated galvar (+powder coatir - (+powder coatir - (+) (+) (+) (+) (+) (+) (+) (+) (+) (+)	8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O) metic compressor Inverter 7.9 nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 920 x 740	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter 7.9	8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O) metic compressor Inverter 7.9 nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 920 x 740	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter 7.9	8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor Inverter 10.2 nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740
Compressor	Motor output External static pro Type Starting method Motor output Case heater	cfm echanism kW ess. kW	6,532 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.0 - Pre-coated galvar (+powder coatist <munsell (1,798="" (70-13="" 1,858="" 16="" 5y="" 73-3="" 740="" 920="" legs)="" td="" without="" without<="" x=""><td>8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH₂O) metic compressor Inverter 7.9</td><td>8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH₂O) Inverter scroll her Inverter 7.9 Pre-coated galva (+powder coati <munsell (1,798="" (70-13="" 1,858="" 16="" 5y="" 73-3="" 740="" 920="" legs)="" td="" without="" without<="" x=""><td>8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmHzO) metic compressor Inverter 7.9</td><td>8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.9</td><td>8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH₂0) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without)</td></munsell></td></munsell>	8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O) metic compressor Inverter 7.9	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter 7.9 Pre-coated galva (+powder coati <munsell (1,798="" (70-13="" 1,858="" 16="" 5y="" 73-3="" 740="" 920="" legs)="" td="" without="" without<="" x=""><td>8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmHzO) metic compressor Inverter 7.9</td><td>8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.9</td><td>8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH₂0) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without)</td></munsell>	8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmHzO) metic compressor Inverter 7.9	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.9	8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ 0) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without)
Compressor External finish External dimension	Motor output External static pri Type Starting method Motor output Case heater	cfm echanism kW ess. kW mm in.	6,532 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.0 - Pre-coated galvat (+powder coatit <munsell (1,798="" (70-13="" 1,858="" 16="" 16<="" 29-3="" 36-1="" 4="" 57="" 73-3="" 740="" 920="" legs)="" td="" without="" x=""><td>8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH₂O) metic compressor Inverter 7.9 -inized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16</td><td>8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH₂O) Inverter scroll her Inverter 7.9</td><td>8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH₂O) metic compressor Inverter 7.9 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16</td><td>8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH₂O) Inverter scroll her Inverter 7.9</td><td>8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH₂0) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 7-3-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16</td></munsell>	8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O) metic compressor Inverter 7.9 -inized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter 7.9	8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O) metic compressor Inverter 7.9 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter 7.9	8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ 0) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 7-3-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16
Compressor External finish External dimension	Motor output External static pro Type Starting method Motor output Case heater	cfm echanism kW ess. kW mm in.	6,532 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.0 Pre-coated galvar (+powder coatir <munsell (1,798="" (70-13="" 1,858="" 16="" 29-3="" 36-1="" 4="" 5y="" 73-3="" 740="" 920="" high="" legs)="" pressure="" sensor,<="" td="" without="" x=""><td>8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH₂O) metic compressor Inverter 7.9 nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16 High pressure switch</td><td>8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.9 Pre-coated galva (+powder coati <munsell (1,798="" (70-13="" 1,858="" 16="" 29-3="" 36-1="" 4="" 5y="" 73-3="" 740="" 920="" high="" legs)="" pressure="" sensor<="" td="" without="" x=""><td>8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH₂O) metic compressor Inverter 7.9 nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16 High pressure switch</td><td>8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.9 Pre-coated galvai (+powder coatii <munsell (1,798="" (70-13="" 1,858="" 16="" 29-3="" 36-1="" 4="" 5y="" 73-3="" 740="" 920="" high="" legs)="" pressure="" sensor<="" td="" without="" x=""><td>8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH₂O) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch</td></munsell></td></munsell></td></munsell>	8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O) metic compressor Inverter 7.9 nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16 High pressure switch	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.9 Pre-coated galva (+powder coati <munsell (1,798="" (70-13="" 1,858="" 16="" 29-3="" 36-1="" 4="" 5y="" 73-3="" 740="" 920="" high="" legs)="" pressure="" sensor<="" td="" without="" x=""><td>8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH₂O) metic compressor Inverter 7.9 nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16 High pressure switch</td><td>8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.9 Pre-coated galvai (+powder coatii <munsell (1,798="" (70-13="" 1,858="" 16="" 29-3="" 36-1="" 4="" 5y="" 73-3="" 740="" 920="" high="" legs)="" pressure="" sensor<="" td="" without="" x=""><td>8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH₂O) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch</td></munsell></td></munsell>	8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O) metic compressor Inverter 7.9 nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16 High pressure switch	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.9 Pre-coated galvai (+powder coatii <munsell (1,798="" (70-13="" 1,858="" 16="" 29-3="" 36-1="" 4="" 5y="" 73-3="" 740="" 920="" high="" legs)="" pressure="" sensor<="" td="" without="" x=""><td>8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH₂O) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch</td></munsell>	8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch
Compressor External finish External dimension	Motor output External static pri Type Starting method Motor output Case heater HxWxD	cfm echanism kW ess. kW kW in.	6,532 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter 7.0 - Pre-coated galvar (+powder coatir <munsell (1,798="" (70-13="" 1,858="" 16="" 29-3="" 36-1="" 4="" 4.15="" 5y="" 73-3="" 740="" 920="" at="" high="" legs)="" mp<="" pressure="" sensor,="" td="" without="" x=""><td>8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH₂O) metic compressor Inverter 7.9 -inized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16, High pressure switch a (601 psi)</td><td>8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH:O) Inverter scroll her Inverter 7.9 - Pre-coated galva (+powder coati <munsell (1,798="" (70-13="" 1,858="" 16="" 29-3="" 36-1="" 4="" 4.15="" 5y="" 73-3="" 740="" 920="" at="" high="" legs)="" mf<="" pressure="" sensor="" td="" without="" x=""><td>8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH₂O) metic compressor Inverter 7.9 -inized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16, High pressure switch a (601 psi)</td><td>8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH₂O) Inverter scroll her Inverter 7.9 - Pre-coated galvai (+powder coatii <munsell (1,798="" (70-13="" 1,858="" 16="" 29-3="" 36-1="" 4="" 4.15="" 5y="" 73-3="" 740="" 920="" at="" high="" legs)="" mp<="" pressure="" sensor="" td="" without="" x=""><td>8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH₂O) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch a (601 psi)</td></munsell></td></munsell></td></munsell>	8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O) metic compressor Inverter 7.9 -inized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16, High pressure switch a (601 psi)	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH:O) Inverter scroll her Inverter 7.9 - Pre-coated galva (+powder coati <munsell (1,798="" (70-13="" 1,858="" 16="" 29-3="" 36-1="" 4="" 4.15="" 5y="" 73-3="" 740="" 920="" at="" high="" legs)="" mf<="" pressure="" sensor="" td="" without="" x=""><td>8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH₂O) metic compressor Inverter 7.9 -inized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16, High pressure switch a (601 psi)</td><td>8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH₂O) Inverter scroll her Inverter 7.9 - Pre-coated galvai (+powder coatii <munsell (1,798="" (70-13="" 1,858="" 16="" 29-3="" 36-1="" 4="" 4.15="" 5y="" 73-3="" 740="" 920="" at="" high="" legs)="" mp<="" pressure="" sensor="" td="" without="" x=""><td>8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH₂O) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch a (601 psi)</td></munsell></td></munsell>	8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O) metic compressor Inverter 7.9 -inized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16, High pressure switch a (601 psi)	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter 7.9 - Pre-coated galvai (+powder coatii <munsell (1,798="" (70-13="" 1,858="" 16="" 29-3="" 36-1="" 4="" 4.15="" 5y="" 73-3="" 740="" 920="" at="" high="" legs)="" mp<="" pressure="" sensor="" td="" without="" x=""><td>8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH₂O) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch a (601 psi)</td></munsell>	8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch a (601 psi)
Compressor External finish External dimension	Motor output External static pri Type Starting method Motor output Case heater	cfm echanism kW ess. kW kW in.	6,532 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter 7.0 - Pre-coated galvar (+powder coatir <munsell (1,798="" (70-13="" 1,858="" 16="" 29-3="" 36-1="" 4="" 4.15="" 5y="" 73-3="" 740="" 920="" at="" high="" legs)="" mp<="" pressure="" sensor,="" td="" without="" x=""><td>8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH₂O) metic compressor Inverter 7.9 -inized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16, High pressure switch a (601 psi)</td><td>8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH:O) Inverter scroll her Inverter 7.9 - Pre-coated galva (+powder coati <munsell (1,798="" (70-13="" 1,858="" 16="" 29-3="" 36-1="" 4="" 4.15="" 5y="" 73-3="" 740="" 920="" at="" high="" legs)="" mf<="" pressure="" sensor="" td="" without="" x=""><td>8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH₂O) metic compressor Inverter 7.9 -inized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16, High pressure switch a (601 psi)</td><td>8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.9 Pre-coated galvai (+powder coatii <munsell (1,798="" (70-13="" 1,858="" 16="" 29-3="" 36-1="" 4="" 5y="" 73-3="" 740="" 920="" high="" legs)="" pressure="" sensor<="" td="" without="" x=""><td>8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH₂O) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch a (601 psi)</td></munsell></td></munsell></td></munsell>	8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O) metic compressor Inverter 7.9 -inized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16, High pressure switch a (601 psi)	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH:O) Inverter scroll her Inverter 7.9 - Pre-coated galva (+powder coati <munsell (1,798="" (70-13="" 1,858="" 16="" 29-3="" 36-1="" 4="" 4.15="" 5y="" 73-3="" 740="" 920="" at="" high="" legs)="" mf<="" pressure="" sensor="" td="" without="" x=""><td>8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH₂O) metic compressor Inverter 7.9 -inized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16, High pressure switch a (601 psi)</td><td>8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.9 Pre-coated galvai (+powder coatii <munsell (1,798="" (70-13="" 1,858="" 16="" 29-3="" 36-1="" 4="" 5y="" 73-3="" 740="" 920="" high="" legs)="" pressure="" sensor<="" td="" without="" x=""><td>8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH₂O) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch a (601 psi)</td></munsell></td></munsell>	8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O) metic compressor Inverter 7.9 -inized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16, High pressure switch a (601 psi)	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.9 Pre-coated galvai (+powder coatii <munsell (1,798="" (70-13="" 1,858="" 16="" 29-3="" 36-1="" 4="" 5y="" 73-3="" 740="" 920="" high="" legs)="" pressure="" sensor<="" td="" without="" x=""><td>8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH₂O) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch a (601 psi)</td></munsell>	8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch a (601 psi)
Compressor External finish External dimension	Motor output External static pri Type Starting method Motor output Case heater HxWxD	cfm echanism kW ess. kW kW in.	6,532 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter 7.0 - Pre-coated galvar (+powder coatir <munsell (1,798="" (70-13="" 1,858="" 16="" 29-3="" 36-1="" 4="" 4.15="" 5y="" 73-3="" 740="" 920="" at="" high="" legs)="" mp<="" pressure="" sensor,="" td="" without="" x=""><td>8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH₂O) metic compressor Inverter 7.9 -inized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16, High pressure switch a (601 psi)</td><td>8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH:O) Inverter scroll her Inverter 7.9 - Pre-coated galva (+powder coati <munsell (1,798="" (70-13="" 1,858="" 16="" 29-3="" 36-1="" 4="" 4.15="" 5y="" 73-3="" 740="" 920="" at="" high="" legs)="" mf<="" pressure="" sensor="" td="" without="" x=""><td>8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH₂O) metic compressor Inverter 7.9 -inized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16, High pressure switch a (601 psi)</td><td>8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH₂O) Inverter scroll her Inverter 7.9 - Pre-coated galvai (+powder coatii <munsell (1,798="" (70-13="" 1,858="" 16="" 29-3="" 36-1="" 4="" 4.15="" 5y="" 73-3="" 740="" 920="" at="" high="" legs)="" mp<="" pressure="" sensor="" td="" without="" x=""><td>8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH₂O) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch a (601 psi)</td></munsell></td></munsell></td></munsell>	8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O) metic compressor Inverter 7.9 -inized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16, High pressure switch a (601 psi)	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH:O) Inverter scroll her Inverter 7.9 - Pre-coated galva (+powder coati <munsell (1,798="" (70-13="" 1,858="" 16="" 29-3="" 36-1="" 4="" 4.15="" 5y="" 73-3="" 740="" 920="" at="" high="" legs)="" mf<="" pressure="" sensor="" td="" without="" x=""><td>8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH₂O) metic compressor Inverter 7.9 -inized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16, High pressure switch a (601 psi)</td><td>8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH₂O) Inverter scroll her Inverter 7.9 - Pre-coated galvai (+powder coatii <munsell (1,798="" (70-13="" 1,858="" 16="" 29-3="" 36-1="" 4="" 4.15="" 5y="" 73-3="" 740="" 920="" at="" high="" legs)="" mp<="" pressure="" sensor="" td="" without="" x=""><td>8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH₂O) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch a (601 psi)</td></munsell></td></munsell>	8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O) metic compressor Inverter 7.9 -inized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16, High pressure switch a (601 psi)	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter 7.9 - Pre-coated galvai (+powder coatii <munsell (1,798="" (70-13="" 1,858="" 16="" 29-3="" 36-1="" 4="" 4.15="" 5y="" 73-3="" 740="" 920="" at="" high="" legs)="" mp<="" pressure="" sensor="" td="" without="" x=""><td>8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH₂O) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch a (601 psi)</td></munsell>	8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch a (601 psi)
Compressor External finish External dimension	Motor output External static pri Type Starting method Motor output Case heater High pressure pri Inverter circuit (CO	cfm echanism kW ess. kW kW in.	6,532 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.0 - Pre-coated galvar (+powder coatis MUNSELL 5y 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16 High pressure sensor, at 4.15 MP Over-heat protection, 6	8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O) metic compressor Inverter 7.9 ized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16 High pressure switch a (601 psi) Over-current protection	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter 7.9	8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O) metic compressor Inverter 7.9 initiated steel sheets ng for -BS type) 78/1 or similar- 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16 High pressure switch 'a (601 psi) Over-current protection	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter 7.9 - Pre-coated galvai (+powder coatii <munsell (1,798="" (70-13="" 1,858="" 16="" 29-3="" 36-1="" 4="" 4.15="" 5y="" 73-3="" 740="" 920="" at="" high="" legs)="" mp<="" pressure="" sensor="" td="" without="" x=""><td>8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH₂O) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch a (601 psi) Over-current protectio</td></munsell>	8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch a (601 psi) Over-current protectio
External finish External dimension Protection devices	Motor output External static pri Type Starting method Motor output Case heater I High pressure pro Inverter circuit (CO Compressor Fan motor	cfm echanism kW ess. kW mm in. otection MP/FAN)	6,532 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.0 Pre-coated galvar (+powder coatir <munsell (1,798="" (70-13="" 0<="" 1,858="" 16="" 29-3="" 36-1="" 4="" 4.15="" 5y="" 73-3="" 740="" 920="" at="" high="" legs)="" mp="" over-heat="" pressure="" protection,="" sensor,="" td="" without="" x=""><td>8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH₂O) metic compressor Inverter 7.9 nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16 High pressure switch a (601 psi) Over-current protection</td><td>8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.9 Pre-coated galva (+powder coati <munsell (1,798="" (70-13="" 1,858="" 16="" 29-3="" 36-1="" 4="" 4.15="" 5y="" 73-3="" 740="" 920="" at="" high="" i<="" legs)="" mf="" over-heat="" pressure="" protection,="" sensor="" td="" without="" x=""><td>8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmHzO) metic compressor Inverter 7.9 nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16 High pressure switch a (601 psi) Over-current protection</td><td>8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.9</td><td>8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH₂O) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch (601 psi) Over-current protectio</td></munsell></td></munsell>	8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O) metic compressor Inverter 7.9 nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16 High pressure switch a (601 psi) Over-current protection	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.9 Pre-coated galva (+powder coati <munsell (1,798="" (70-13="" 1,858="" 16="" 29-3="" 36-1="" 4="" 4.15="" 5y="" 73-3="" 740="" 920="" at="" high="" i<="" legs)="" mf="" over-heat="" pressure="" protection,="" sensor="" td="" without="" x=""><td>8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmHzO) metic compressor Inverter 7.9 nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16 High pressure switch a (601 psi) Over-current protection</td><td>8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.9</td><td>8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH₂O) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch (601 psi) Over-current protectio</td></munsell>	8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmHzO) metic compressor Inverter 7.9 nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16 High pressure switch a (601 psi) Over-current protection	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.9	8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch (601 psi) Over-current protectio
External finish External dimension Protection devices Refrigerant	Motor output External static pri Type Starting method Motor output Case heater High pressure pro Inverter circuit (CO Compressor	cfm echanism kW ess. kW kW kW mm in. otection MP/FAN)	6,532 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.0	8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O) metic compressor Inverter 7.9 inverter 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16 High pressure switch a (601 psi) Over-current protection R410A x 5.2 kg (12 lbs)	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.9 Pre-coated galva (+powder coati <munsell (1,798="" (12="" (70-13="" 1="" 1,858="" 16="" 29-3="" 36-1="" 4="" 4.15="" 5.2="" 5y="" 73-3="" 740="" 920="" at="" high="" kg="" lbs)<="" legs)="" mf="" over-heat="" pressure="" protection,="" r410a="" sensor="" td="" without="" x=""><td>8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmHzO) metic compressor</td><td>8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter roroll her Inverter roroll her Inverter roroll her 1,79</td><td>8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH₂O) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch a (601 psi) Diver-current protection - R410A x 8.0 kg (18 lbs)</td></munsell>	8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmHzO) metic compressor	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter roroll her Inverter roroll her Inverter roroll her 1,79	8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch a (601 psi) Diver-current protection - R410A x 8.0 kg (18 lbs)
External finish External dimension Protection devices Refrigerant Net weight	Motor output External static pri Type Starting method Motor output Case heater I High pressure pro Inverter circuit (CO Compressor Fan motor	cfm echanism kW ess. kW mm in. otection MP/FAN)	6,532 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.0 Pre-coated galvat (+powder coatist <munsell (0-14)="" (1,798="" (12="" (516)<="" (70-13="" 1,858="" 16="" 234="" 29-3="" 36-1="" 4="" 4.15="" 5.2="" 5y="" 73-3="" 740="" 920="" at="" high="" kg="" lbs)="" legs)="" mp="" over-heat="" pressure="" protection,="" r410a="" sensor,="" td="" without="" x=""><td>8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH₂O) metic compressor Inverter 7.9 - 1.358 (1,798 without legs) x 920 x 740 73.3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16 High pressure switch 26 (601 psi) Over-current protection R410A x 5.2 kg (12 lbs) 236 (521)</td><td>8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH₂O) Inverter scroll her Inverter 7.9</td><td>8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH₂O) metic compressor Inverter 7.9 - 1.358 (1,798 without legs) x 920 x 740 73.3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16 High pressure switch 26 (601 psi) Over-current protection R410A x 5.2 kg (12 lbs) 236 (521)</td><td>8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.9</td><td>8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH₂O) metic compressor Inverter 10.2 - inzed steel sheets ing for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch 26 (601 psi) Over-current protectio - R410A x 8.0 kg (18 lbs) 279 (616)</td></munsell>	8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O) metic compressor Inverter 7.9 - 1.358 (1,798 without legs) x 920 x 740 73.3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16 High pressure switch 26 (601 psi) Over-current protection R410A x 5.2 kg (12 lbs) 236 (521)	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter 7.9	8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O) metic compressor Inverter 7.9 - 1.358 (1,798 without legs) x 920 x 740 73.3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16 High pressure switch 26 (601 psi) Over-current protection R410A x 5.2 kg (12 lbs) 236 (521)	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.9	8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor Inverter 10.2 - inzed steel sheets ing for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch 26 (601 psi) Over-current protectio - R410A x 8.0 kg (18 lbs) 279 (616)
External finish External dimension Protection devices Refrigerant Net weight Heat exchanger	Motor output External static pri Type Starting method Motor output Case heater High pressure pri Inverter circuit (CO Compressor Fan motor Type x original ch	cfm echanism kW ess. kW kW in. otection MP/FAN)	6,532 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.0 - Pre-coated galvat (+powder coatit <munsell (1,798="" (12="" (516)="" (70-13="" -="" 0="" 1,858="" 16="" 234="" 29-3="" 36-1="" 4="" 4.15="" 5.2="" 57="" 7-3-3="" 740="" 920="" at="" cross<="" high="" kg="" lbs)="" legs)="" mp="" over-heat="" pressure="" protection,="" r410a="" salt-resistant="" sensor,="" td="" without="" x=""><td>8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH₂O) metic compressor Inverter 7.9</td><td>8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.9</td><td>8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmHzO) metic compressor Inverter 7.9</td><td>8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.9</td><td>8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH₂O) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch a (601 psi) Over-current protectio - R410A x 8.0 kg (18 lbs 279 (616) fin & aluminium tube</td></munsell>	8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O) metic compressor Inverter 7.9	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.9	8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmHzO) metic compressor Inverter 7.9	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.9	8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch a (601 psi) Over-current protectio - R410A x 8.0 kg (18 lbs 279 (616) fin & aluminium tube
External finish External dimension Protection devices Refrigerant Net weight Heat exchanger Pipe between unit	Motor output External static pri Type Starting method Motor output Case heater In HxWxD High pressure pro Inverter circuit (CO Compressor Fan motor Type x original ch	cfm echanism kW ess. kW kW mm in. otection MP/FAN) marge kg (lbs)	6,532 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.0 Pre-coated galvar (+powder coatir <munsell (1,798="" (12="" (3="" (516)="" (70-13="" 0="" 1,858="" 16="" 19.05="" 234="" 29-3="" 36-1="" 4="" 4)="" 4.15="" 5.2="" 5y="" 73-3="" 740="" 920="" at="" brazed<="" cross:="" high="" kg="" lbs)="" legs)="" mp="" over-heat="" pressure="" protection,="" r410a="" salt-resistant="" sensor,="" td="" without="" x=""><td>8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH₂O) metic compressor Inverter 7.9 nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16 High pressure switch a (601 psi) Dver-current protection R410A x 5.2 kg (12 lbs) 236 (521) fin & aluminium tube 19.05 (3/4) Brazed</td><td>8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.9 Pre-coated galva (+powder coati <munsell (1,798="" (70-13="" (<="" 1,858="" 16="" 29-3="" 36-1="" 4="" 4.15="" 5y="" 73-3="" 740="" 920="" at="" high="" legs)="" mf="" over-heat="" pressure="" protection,="" sensor="" td="" without="" x=""><td>8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmHzO) metic compressor Inverter 7.9 nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16 High pressure switch a (601 psi) Over-current protection - R410A x 5.2 kg (12 lbs) 236 (521) fin & aluminium tube 19.05 (3/4) Brazed</td><td>8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.9 Pre-coated galvai (+powder coatii <munsell (1,798="" (70-13="" 0<="" 1,858="" 16="" 29-3="" 36-1="" 4="" 4.15="" 5y="" 73-3="" 740="" 920="" at="" high="" legs)="" mp="" over-heat="" pressure="" protection,="" sensor="" td="" without="" x=""><td>8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH₂O) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch a (601 psi) Over-current protectio - R410A x 8.0 kg (18 lbs) 279 (616) fin & aluminium tube 19.05 (3/4) Brazed</td></munsell></td></munsell></td></munsell>	8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O) metic compressor Inverter 7.9 nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16 High pressure switch a (601 psi) Dver-current protection R410A x 5.2 kg (12 lbs) 236 (521) fin & aluminium tube 19.05 (3/4) Brazed	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.9 Pre-coated galva (+powder coati <munsell (1,798="" (70-13="" (<="" 1,858="" 16="" 29-3="" 36-1="" 4="" 4.15="" 5y="" 73-3="" 740="" 920="" at="" high="" legs)="" mf="" over-heat="" pressure="" protection,="" sensor="" td="" without="" x=""><td>8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmHzO) metic compressor Inverter 7.9 nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16 High pressure switch a (601 psi) Over-current protection - R410A x 5.2 kg (12 lbs) 236 (521) fin & aluminium tube 19.05 (3/4) Brazed</td><td>8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.9 Pre-coated galvai (+powder coatii <munsell (1,798="" (70-13="" 0<="" 1,858="" 16="" 29-3="" 36-1="" 4="" 4.15="" 5y="" 73-3="" 740="" 920="" at="" high="" legs)="" mp="" over-heat="" pressure="" protection,="" sensor="" td="" without="" x=""><td>8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH₂O) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch a (601 psi) Over-current protectio - R410A x 8.0 kg (18 lbs) 279 (616) fin & aluminium tube 19.05 (3/4) Brazed</td></munsell></td></munsell>	8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmHzO) metic compressor Inverter 7.9 nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16 High pressure switch a (601 psi) Over-current protection - R410A x 5.2 kg (12 lbs) 236 (521) fin & aluminium tube 19.05 (3/4) Brazed	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.9 Pre-coated galvai (+powder coatii <munsell (1,798="" (70-13="" 0<="" 1,858="" 16="" 29-3="" 36-1="" 4="" 4.15="" 5y="" 73-3="" 740="" 920="" at="" high="" legs)="" mp="" over-heat="" pressure="" protection,="" sensor="" td="" without="" x=""><td>8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH₂O) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch a (601 psi) Over-current protectio - R410A x 8.0 kg (18 lbs) 279 (616) fin & aluminium tube 19.05 (3/4) Brazed</td></munsell>	8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch a (601 psi) Over-current protectio - R410A x 8.0 kg (18 lbs) 279 (616) fin & aluminium tube 19.05 (3/4) Brazed
External finish External dimension Protection devices Refrigerant Net weight Heat exchanger Pipe between unit and distributor	Motor output External static pri Type Starting method Motor output Case heater High pressure pri Inverter circuit (CO Compressor Fan motor Type x original ch	cfm echanism kW ess. kW kW in. otection MP/FAN)	6,532 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.0	8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O) metic compressor Inverter 7.9 inverter 7.9 inverter 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16 High pressure switch a (601 psi) over-current protection - R410A x 5.2 kg (12 lbs) 236 (521) fin & aluminium tube 19.05 (3/4) Brazed 22.2 (7/8) Brazed	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter 7.9	8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O) metic compressor Inverter 7.9 initial sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16 High pressure switch a (601 psi) Over-current protection - R410A x 5.2 kg (12 lbs) 236 (521) fin & aluminium tube 19.05 (3/4) Brazed 22.2 (7/8) Brazed	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter roroll her Inverter rorol	8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmHz0) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch a (601 psi) Dver-current protection - R410A x 8.0 kg (18 lbs) 279 (616) fin & aluminium tube 19.05 (3/4) Brazed 28.58 (1-1/8) Brazed
Compressor External finish	Motor output External static pri Type Starting method Motor output Case heater In HxWxD High pressure pro Inverter circuit (CO Compressor Fan motor Type x original ch	cfm echanism kW ess. kW kW mm in. otection MP/FAN) marge kg (lbs)	6,532 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.0 Pre-coated galvar (+powder coatir <munsell (1,798="" (12="" (3="" (516)="" (70-13="" 0="" 1,858="" 16="" 19.05="" 234="" 29-3="" 36-1="" 4="" 4)="" 4.15="" 5.2="" 5y="" 73-3="" 740="" 920="" at="" brazed<="" cross:="" high="" kg="" lbs)="" legs)="" mp="" over-heat="" pressure="" protection,="" r410a="" salt-resistant="" sensor,="" td="" without="" x=""><td>8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH₂O) metic compressor Inverter 7.9 inverter 7.9 inverter 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16 High pressure switch a (601 psi) over-current protection - R410A x 5.2 kg (12 lbs) 236 (521) fin & aluminium tube 19.05 (3/4) Brazed 22.2 (7/8) Brazed</td><td>8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH₂O) Inverter scroll her Inverter 7.9</td><td>8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmHzO) metic compressor Inverter 7.9 nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16 High pressure switch a (601 psi) Over-current protection - R410A x 5.2 kg (12 lbs) 236 (521) fin & aluminium tube 19.05 (3/4) Brazed</td><td>8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.9 Pre-coated galvai (+powder coatii <munsell (1,798="" (70-13="" 0<="" 1,858="" 16="" 29-3="" 36-1="" 4="" 4.15="" 5y="" 73-3="" 740="" 920="" at="" high="" legs)="" mp="" over-heat="" pressure="" protection,="" sensor="" td="" without="" x=""><td>8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmHz0) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch a (601 psi) Dver-current protection - R410A x 8.0 kg (18 lbs) 279 (616) fin & aluminium tube 19.05 (3/4) Brazed 28.58 (1-1/8) Brazed</td></munsell></td></munsell>	8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O) metic compressor Inverter 7.9 inverter 7.9 inverter 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16 High pressure switch a (601 psi) over-current protection - R410A x 5.2 kg (12 lbs) 236 (521) fin & aluminium tube 19.05 (3/4) Brazed 22.2 (7/8) Brazed	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter 7.9	8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmHzO) metic compressor Inverter 7.9 nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16 High pressure switch a (601 psi) Over-current protection - R410A x 5.2 kg (12 lbs) 236 (521) fin & aluminium tube 19.05 (3/4) Brazed	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.9 Pre-coated galvai (+powder coatii <munsell (1,798="" (70-13="" 0<="" 1,858="" 16="" 29-3="" 36-1="" 4="" 4.15="" 5y="" 73-3="" 740="" 920="" at="" high="" legs)="" mp="" over-heat="" pressure="" protection,="" sensor="" td="" without="" x=""><td>8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmHz0) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch a (601 psi) Dver-current protection - R410A x 8.0 kg (18 lbs) 279 (616) fin & aluminium tube 19.05 (3/4) Brazed 28.58 (1-1/8) Brazed</td></munsell>	8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmHz0) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch a (601 psi) Dver-current protection - R410A x 8.0 kg (18 lbs) 279 (616) fin & aluminium tube 19.05 (3/4) Brazed 28.58 (1-1/8) Brazed
External finish External dimension Protection devices Refrigerant Net weight Heat exchanger Pipe between unit and distributor	Motor output External static pri Type Starting method Motor output Case heater In HxWxD High pressure pro Inverter circuit (CO Compressor Fan motor Type x original ch	cfm echanism kW ess. kW kW mm in. otection MP/FAN) marge kg (lbs)	6,532 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.0	8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O) metic compressor Inverter 7.9 inverter 7.9 inverter 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16 High pressure switch a (601 psi) over-current protection - R410A x 5.2 kg (12 lbs) 236 (521) fin & aluminium tube 19.05 (3/4) Brazed 22.2 (7/8) Brazed	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH ₂ O) Inverter scroll her Inverter 7.9	8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O) metic compressor Inverter 7.9 initial sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16 High pressure switch a (601 psi) Over-current protection - R410A x 5.2 kg (12 lbs) 236 (521) fin & aluminium tube 19.05 (3/4) Brazed 22.2 (7/8) Brazed	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter roroll her Inverter rorol	8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmHz0) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch a (601 psi) Dver-current protection - R410A x 8.0 kg (18 lbs) 279 (616) fin & aluminium tube 19.05 (3/4) Brazed 28.58 (1-1/8) Brazed
External finish External dimension Protection devices Refrigerant Net weight Heat exchanger Pipe between unit and distributor	Motor output External static pri Type Starting method Motor output Case heater In HxWxD High pressure pro Inverter circuit (CO Compressor Fan motor Type x original ch	cfm echanism kW ess. kW kW mm in. otection MP/FAN) marge kg (lbs)	6,532 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.0	8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O) metic compressor Inverter 7.9 inverter 7.9 inverter 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16 High pressure switch a (601 psi) over-current protection - R410A x 5.2 kg (12 lbs) 236 (521) fin & aluminium tube 19.05 (3/4) Brazed 22.2 (7/8) Brazed	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmHzO) Inverter scroll her Inverter 7.9	8,474 ect-driven by motor 0.92 x 1 0 Pa (0 mmH ₂ O) metic compressor Inverter 7.9 initial sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16 High pressure switch a (601 psi) Over-current protection - R410A x 5.2 kg (12 lbs) 236 (521) fin & aluminium tube 19.05 (3/4) Brazed 22.2 (7/8) Brazed	8,474 Inverter-control, Dir 0.92 x 1 0 Pa (0 mmH2O) Inverter scroll her Inverter rosel rosel her Inverter rosel rosel her Inverter rosel rosel her Inverter rosel rosel rosel her Inverter rosel r	8,828 ect-driven by motor 0.46 x 2 0 Pa (0 mmH ₂ O) metic compressor Inverter 10.2 - nized steel sheets ng for -BS type) 8/1 or similar> 1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16 High pressure switch a (601 psi) Over-current protectio R410A x 8.0 kg (18 lbs 279 (616) fin & aluminium tube 19.05 (3/4) Brazed 28.58 (1-1/8) Brazed it: CMY-R100VBK4

Notes:

*1.*2 Nominal conditions (subject to JIS B8615-2) + ErP Lot 21/6 calculation method to EN14825

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		Indoor	Outdoor	Pipe length	Level difference
Ī	Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)
	Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

*3 Nominal heating conditions (subject to JIS B8615-2) Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.)

Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

Eurovent registered

*4 Cooling mode / Heating mode





^{*5} External static pressure option is available (30Pa, 60Pa, 80Pa / 3.1mmH₂O, 6.1mmH₂O, 8.2mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

*Due to continuing improvement, above specification may be subject to change without notice.

PURY-EP YSNW-A(-BS)



Specifications

Air flow rate	Model				PURY-EP700\			YSNW-A (-BS)		YSNW-A (-BS)
Nominal Power input NW 21 is 2 23 94 26 47 30										
Power input KW										
EER KW/W 3.70 3.55 3.40 3.55 3.30 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3	(Nominal)		В	3TU/h	273	,000	290	,000	307	,100
EER KW/W 3.70 3.55 3.40 3.55 3.30 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3	, [Power input		kW	21.	.62	23	.94	26	.47
Temp. range of Indoor		EER	k\	W/kW	3.	70	3.	55	3.4	40
Cooling		EER (ErP)+	k۱	W/kW	4.4	40	4.	13	3.	85
Cooling					15.0~24.0 °C	C (59~75 °F)	15.0~24.0 °	C (59~75 °F)	15.0~24.0 °C	C (59~75 °F)
Heating capacity										
Power input										
Power input										
COP		Dower input								
COP (EFP)										
Nominal 18										
Power input										
Power input	(Nominal))								
COP WV/KW 4.41 4.34 4.26										
Temp range of heating										
Neating Countoor W.B. -2.0.0-15.5 °C (4-60 °F) -2.0.0-15.5 °C -2.0.0 °F -2.0.0-15.5 °C (4-60 °F) -2.0.0-15.5 °C -2.0.0 °F -2		COP	kV	N/kW	4.4	41	4.	34	4.	26
Deating Couldoor W.B. -2.0.0-15.5 °C (4-60 °F) -2.0.0-15.5 °C (4-			\perp							
Total capacity										
Connectable Model / Quantity P15-P250/2-50 P15-P250/2-			\	W.B.						
Gound pressure level (measured in anechoic room)										
(measured in anechoic room)	connectable	Model / Quanti	ty		P15~P2	50/2~50	P15~P2	250/2~50	P15~P2	50/2~50
Sound power level (measured in anechoic room)			٦	B ~ ^ \	65.5	167.0	67.0	/ 70 5	68.0	/ 72 0
March Marc	(measured in anecl	hoic room)	*4 u	D \A>	05.57	07.0	07.0	7 70.5	00.07	112.0
Refrigerant play Sesure mm (in.) 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 34.93 (1-3/8) Brazed 34.9	Sound power level		-17	D 445	04.0	1000	05.5	100 5	00.0	104.0
Down pressure Mm (in.) 34.93 (1-3/8) Brazed 34.93 (1-3/8) Br	(measured in anec	hoic room)	*4 at	R < A>	84.07	86.0	85.5	/ 89.5	86.0	/ 91.0
Down pressure Mm (in.) 34.93 (1-3/8) Brazed 34.93 (1-3/8) Br	Refrigerant piping	High pressure	mı	m (in.)	28.58 (1-1	/8) Brazed	28.58 (1-1	/8) Brazed	28.58 (1-1	/8) Brazed
Type x Quantity										
Node Type x Quantity			1	()	55 (. 5			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Type x Quantity					PURY-FP350YNW-A (-BS)	PURY-FP350YNW-A (-BS)	PURY-FP350YNW-A (-BS)	PURY-FP400YNW-A (-BS)	PURY-FP400YNW-A (-BS)	PURY-FP400YNW-A (-BS)
Air flow rate		Type x Quantit	v							Propeller fan x 2
L/s				n ³ /min						315
Control, Driving mechanism Inverter-control, Direct-driven by motor Inverter scroll hermetic compressor Inverter scroll hermetic compressor Inverter scroll hermetic compressor Inverter scroll hermetic compressor Inverter Inver		All llow rate	_							5,250
Control, Driving mechanism Inverter-control, Direct-driven by motor Inverter-control, Direct-driven by motor Motor output kW 0.46 x 2 0.46 x										11,123
Motor output	}	Control Driving								
Type			_							0.46 x 2
Type										
Starting method Inverter In			press	S						0 Pa (0 mmH ₂ O)
Motor output kW 10.2 10.2 10.2 10.9 10.9 10.9										
External finish										Inverter
Pre-coated galvanized steel sheets										10.9
Compressor Fan motor Fan		Case heater		kW						-
External dimension HxWxD	External finish									
External dimension HxWxD										
Protection devices High pressure protection High pressure sensor, High pressure se										
Frotection devices High pressure protection devices High pressure sensor, High pre	External dimension	n HxWxD		mm						
In. legs x 48-7/8 x 29-3/16 legs x 48-7/8 x 29-3										legs) x 1,240 x 740
Fortection High pressure protection High pressure sensor, High pressure sentor, at 4.15 MPa (601 psi) at				in						
Act A 15 MPa \$\bar{601}\$ psi at 4.15 MPa \$601				III.	legs) x 48-7/8 x 29-3/16		legs) x 48-7/8 x 29-3/16			
Inverter circuit (COMP/FAN) Over-heat protection, Over-current protection Over-heat protection, Over-current protection Over-heat	Protection	High pressure	prote	ction	High pressure sensor,	High pressure switch	High pressure sensor	, High pressure switch	High pressure sensor	, High pressure switch
Inverter circuit (COMP/FAN) Over-heat protection, Over-current prot										
Compressor - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -	İ	Inverter circuit (0	COMP	P./FAN)						
Fan motor Fan motor Fan motor Fan motor Fan motor Type x original charge R410A x 8.0 kg (18 lbs) R410A x 8	İ	Compressor					-	-	-	-
Refrigerant Type x original charge R410A x 8.0 kg (18 lbs) R41					-	-	-	-	-	-
Net weight kg (lbs) 279 (616) 279 (616) 279 (616) 282 (622) 282 (622) 282 (622) Heat exchanger Salt-resistant cross fin & aluminium tube Salt-resistant cross fin & aluminium tube <td></td> <td></td> <td>char</td> <td>ne</td> <td>R410A v 8 0 kg (18 lbs)</td> <td>R410A x 8 0 kg (18 lbs)</td> <td>R410A x 8 0 kg (18 lbs)</td> <td>R410A x 8 0 kg (18 lbs)</td> <td>R410A x 8 0 kg (18 lbs)</td> <td>R410A x 8.0 kg (18 lbs</td>			char	ne	R410A v 8 0 kg (18 lbs)	R410A x 8 0 kg (18 lbs)	R410A x 8 0 kg (18 lbs)	R410A x 8 0 kg (18 lbs)	R410A x 8 0 kg (18 lbs)	R410A x 8.0 kg (18 lbs
Heat exchanger Salt-resistant cross fin & aluminium tube Salt-resistant cross fin & aluminium tube Salt-resistant cross fin & aluminium tube Salt-resistant cross fin & aluminium tube Salt-resistant cross fin & aluminium tube Salt-resistant cross fin & aluminium tube Salt-resistant cross fin & aluminium tube Salt-resistant cross fin & aluminium tube Salt-resistant cross fin & aluminium tube Salt-resistant cross fin & aluminium tube Salt-resistant cross fin & aluminium tube Salt-resistant cross fin & aluminium tube Salt-resistant cross fin & aluminium tube Salt-resistant cross fin & aluminium tube Salt-resistant cross fin & aluminium tube Salt-resistant cross fin & aluminium tube Salt-resistant cross fin & aluminium tube Salt-resistant cross fin & aluminium tube Salt-resistant cross fin & aluminium tube Salt-resistant cross fin & aluminium tube Salt-resistant cross fin & aluminium tube Salt-resistant cross fin & aluminium tube Salt-resistant cross fin & aluminium tube Salt-resistant cross fin & aluminium tube Salt-resistant cross fin & aluminium tube Salt-resistant cross fin & aluminium tube Salt-resistant cross fin & aluminium tube Salt-resistant cross fin & aluminium tube Salt-resistant cross fin & aluminium tube Salt-resistant cross fin & aluminium tube Salt-resistant cross fin & aluminium tube Salt-resistant cross fin & aluminium tube Salt-resistant cross fin & aluminium tube Salt-resistant cross fin & aluminium tube Salt-resistant cross fin & aluminium tube Salt-resistant cross fin & aluminium tube Salt-resistant cross fin & aluminium tube Salt-resistant cross fin & aluminium tube Salt-resistant cross fin & aluminium tube Salt-resistant cross fin & aluminium tube		Type A original								282 (622)
Pipe between unit and distributor High pressure Low pressure mm (in.) 19.05 (3/4) Brazed 19.05 (3/4) Brazed 19.05 (3/4) Brazed 22.2 (7/8) Brazed 22.2 (7/8) Brazed 22.2 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8) Brazed 22.3 (7/8			l vć	g (103)						
and distributor Low pressure mm (in.) 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8)		High proceurs	m	m (in)						22.2 (7/8) Brazed
		Low pressure	[m	ın (ın.)						
Optional parts Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 Outdoor Twinning kit: CMY-R200VBK4 O	opuonai parts					it: CMY-R200VBK4		at: CMY-R200VBK4		at: CMY-R200VBK4
Joint: CMY-R160-J1 Joint: CMY-R160-J1 Joint: CMY-R160-J1										
Main BC controller: CMB-P108,1012,1016V-JA, CMB-P1016V-KA Main BC controller: CMB-P108,1012,1016V-JA, CMB-P1016V-KA Main BC controller: CMB-P108,1012,1016V-JA, CMB-P1016V-KA Main BC controller: CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1012,1016V-JA, CMB-P108,1016V-JA, CMB-P108,101										
Sub BC controller: CMB-P104V-KB Sub BC controller: CMB-P104V-KB Sub BC controller: CMB-P104V-KB					Sub BC controller	: CMB-P104V-KB	Sub BC controlle	r: CMB-P104V-KB	Sub BC controller	r: CMB-P104V-KB

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2) + ErP Lot 21/6 calculation method to EN14825

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	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)



*3 Nominal heating conditions (subject to JIS B8615-2) Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.) Eurovent registered
*4 Cooling mode / Heating mode





^{*5} External static pressure option is available (30Pa, 60Pa, 80Pa / 3.1mmH₂O, 6.1mmH₂O, 8.2mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

*Due to continuing improvement, above specification may be subject to change without notice.

PURY-EP YSNW-A(-BS)



Specifications

Model			PURY-EP850	VSNW-A (-RS)	DIIDV EDOON	YSNW-A (-BS)	DIJDV EDGE	YSNW-A (-BS)
Power source				400-415 V 50/60 Hz		-400-415 V 50/60 Hz		-400-415 V 50/60 Hz
Cooling capacity	*1	kW		3.0		1.0		18.0
(Nominal)	'	BTU/h		,600		.600		3,500
(Norminal)	Power input	kW		.50		.21		0.16
	EER	kW/kW	3.4			58		58
	EER (ErP)+			1 9				.40
- ,		kW/kW				52		
Temp. range of	Indoor	W.B.	15.0~24.0 °C		15.0~24.0 °C			C (59~75 °F)
cooling	Outdoor	D.B.	-5.0~52.0 °C			(23~126 °F)		C (23~126 °F)
Heating capacity	*2	1111		8.0		3.0		9.5
(Max)		BTU/h		,500		,600		7,700
	Power input	kW		.50		.04		2.03
	COP	kW/kW	3.5			42		73
	COP (ErP)+	kW/kW		93		13		.21
(Nomina	1) *3	kW		3.0		1.0	108.0	
		BTU/h	327,600		344,600			3,500
	Power input	kW		.09		.86		2.87
	COP	kW/kW	4.	55	4.	84	4.	.72
Temp. range of	Indoor	D.B.	15.0~27.0 °C	C (59~81 °F)	15.0~27.0 °C	C (59~81 °F)	15.0~27.0 °	C (59~81 °F)
heating	Outdoor	W.B.	-20.0~15.5 °	C (-4~60 °F)	-20.0~15.5 °	°C (-4~60 °F)	-20.0~15.5 °	°C (-4~60 °F)
Indoor unit	Total capacity		50~150% of outo	door unit capacity	50~150% of outo	door unit capacity	50~150% of out	door unit capacity
connectable	Model / Quantity		P15~P2	50/2~50	P15~P2	250/2~50	P15~P2	250/2~50
Sound pressure le	vel		22.5	170.5	00.5	170.0		174.5
(measured in aned	choic room) *4	dB <a>	68.5	/ 72.5	68.5	/ 73.0	68.0	/ 71.5
Sound power leve								
(measured in aned		dB <a>	86.0	/ 91.5	86.0	/ 92.0	85.5	/ 90.5
Refrigerant piping		mm (in.)	28.58 (1-1	/8) Brazed	28 58 (1-1	/8) Brazed	28 58 (1-1	I/8) Brazed
diameter	Low pressure	mm (in.)	41.28 (1-5			i/8) Brazed		5/8) Brazed
Set Model	zon procedio	· · · · · · · · · · · · · · · · · · ·	11.20 (1.0	70) 5.4204	11.20 (1.0	, o , B. a.z.o a	11.20 (1.0	70) B. a.z.o.a
Model			DURY-FD400VNW-A (-RS)	DIIRY-ED450VNW-A (-RS)	DURY-ED450VNW-A (-RS)	DURY-ED450VNW-A (-BS)	DURY-FD450YNW-A (-BS)	PURY-EP500YNW-A (-BS)
FAN	Type x Quantity		Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
1744	Air flow rate	m³/min	315	315	315	315	315	295
	/ III IIOW Tate	L/s	5,250	5,250	5,250	5,250	5,250	4,917
		cfm	11,123	11,123	11,123	11,123	11,123	10,416
	Control, Driving m			rect-driven by motor		rect-driven by motor		rect-driven by motor
	Motor output	kW	0.46 x 2	0.46 x 2	0.46 x 2	0.46 x 2	0.46 x 2	0.92 x 2
*5			0.40 X 2 0 Pa (0 mmH₂O)	0.40 X 2 0 Pa (0 mmH ₂ O)	0.40 X 2 0 Pa (0 mmH ₂ O)	0.40 X 2 0 Pa (0 mmH ₂ O)	0.40 X 2 0 Pa (0 mmH ₂ O)	0.92 X 2 0 Pa (0 mmH ₂ O)
Compressor	Type	C33.		metic compressor		metic compressor		rmetic compressor
Compressor	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	10.9	12.4	12.4	12.4	12.4	13.0
	Case heater	kW	-	12.4	12.4	12.4	12.4	13.0
Futured Spiels	Case neater	KVV			Don control webse		Due seeded webse	
External finish				nized steel sheets		Pre-coated galvanized steel sheets		nized steel sheets
			(+powder coating for -BS type) <munsell 1="" 5y="" 8="" or="" similar=""></munsell>		(+powder coating for -BS type) <munsell 1="" 5y="" 8="" or="" similar=""></munsell>		(+powder coating for -BS type) <munsell 1="" 5y="" 8="" or="" similar=""></munsell>	
External dimension	n HXVVXD	mm		1,858 (1,798 without		1,858 (1,798 without		1,858 (1,798 without
			legs) x 1,240 x 740	legs) x 1,240 x 740	legs) x 1,240 x 740	legs) x 1,240 x 740	legs) x 1,240 x 740	legs) x 1,750 x 740
		in.			73-3/16 (70-13/16 without			73-3/16 (70-13/16 without
				legs) x 48-7/8 x 29-3/16		legs) x 48-7/8 x 29-3/16		legs) x 68-15/16 x 29-3/16
Protection	High pressure pre	otection		, High pressure switch		, High pressure switch		r, High pressure switch
devices			at 4.15 MP			Pa (601 psi)		Pa (601 psi)
Inverter circuit (COMP./FAI)		MP./FAN)	Over-heat protection, (Over-current protection	Over-heat protection, (Over-current protection	Over-heat protection,	Over-current protection
	Compressor		-	-	-	-	-	-
	Fan motor		-	-	-	-	-	-
Refrigerant	Type x original ch	narge						R410A x 10.8 kg (24 lbs)
Net weight		kg (lbs)	282 (622)	306 (675)	306 (675)	306 (675)	306 (675)	345 (761)
Heat exchanger			Salt-resistant cross	fin & aluminium tube	Salt-resistant cross	fin & aluminium tube	Salt-resistant cross	fin & aluminium tube
Pipe between unit	High pressure	mm (in.)	22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed
and distributor	Low pressure		28.58 (1-1/8) Brazed			28.58 (1-1/8) Brazed		28.58 (1-1/8) Brazed
Optional parts				kit: CMY-R200VBK4		kit: CMY-R200VBK4		kit: CMY-R200VBK4
	-1 - Ferra		Joint: CMY-R160-J1		Joint: CMY-R160-J1		Joint: CMY-R160-J1	
					1012,1016V-JA,CMB-P1016V-KA			
				r: CMB-P104V-KB		r: CMB-P104V-KB		r: CMB-P104V-KB

Notes:

	Indoor	Outdoor	Pipe length	Level difference	
Cooling	27°C DB/19°C WB	35°C DB/24°C WB	7.5m (24-9/16ft.)	0m (0ft.)	
Cooling	(81°F DB/66°F WB)	(95°F DB/75°F WB)	7.5111 (24-9/1011.)		
Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)	





^{*3} Nominal heating conditions (subject to JIS B8615-2)
Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B.)6 °CW.B. (45 °FD.B./43 °FW.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
Eurovent registered
*4 Cooling mode / Heating mode
*5 External static pressure option is available (30Pa, 60Pa, 80Pa / 3.1mmH₂O, 6.1mmH₂O, 8.2mmH₂O).
Consult your dealer about the specification when setting External static pressure option.
*Due to continuing improvement, above specification may be subject to change without notice.

PURY-EP YSNW-A(-BS)



Specifications

Model			PURY-EP1000YSNW-A (-BS)		PURY-EP1050YSNW-A (-BS)		PURY-EP1100YSNW-A (-BS)		
Power source		3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz			
Cooling capacity *1 kW		113		118.0		124.0			
		BTU/h	385,600		402,600		423,100		
Power input kW		33.		37.57		42.75			
	EER kW/kW		3.38		3.1		2.90		
	EER (ErP)+	kW/kW				05		3.82	
Temp. range of	Indoor	W.B.	15.0~24.0 °C (59~75 °F)		15.0~24.0 °C			C (59~75 °F)	
cooling	Outdoor	D.B.	-5.0~52.0 °C (23~126 °F)		-5.0~52.0 °C	(23~126 °F)	-5.0~52.0 °C	C (23~126 °F)	
Heating capacity	*2	kW	127.0		13:	2.0	14	0.0	
(Max)		BTU/h			450	,400	477,700		
, ,	Power input	kW	31.43		37.28		46.05		
	COP	kW/kW	4.0)4	3.5	54	3.0	04	
	COP (ErP) ⁺	kW/kW	4.3	30	4.	05	3.	.80	
(Nomina		kW	11:	3.0	113	8.0	124.0		
`	,	BTU/h	385,600		402	,600	423	3,100	
	Power input	kW	24.			.69		0.24	
	COP	kW/kW	4.0			42		24	
Temp. range of	Indoor	D.B.	15.0~27.0 °C	C (59~81 °F)	15.0~27.0 °C	C (59~81 °F)	15.0~27.0°	C (59~81 °F)	
heating	Outdoor	W.B.	-20.0~15.5 °		-20.0~15.5 °			°C (-4~60 °F)	
Indoor unit	Total capacity	, vv.b.	50~150% of outd		50~150% of outo			door unit capacity	
connectable	Model / Quantity		P15~P2			50/3~50		250/3~50	
Sound pressure le		1							
(measured in aned		dB <a>	66.5 /	67.5	68.0	/ 73.0	69.0	/ 73.0	
Sound power leve									
(measured in aned		dB <a>	85.0 /	87.0	86.0	/ 92.0	86.5 / 92.0		
Refrigerant piping	11010100111	mm (in.)	20 50 /1 1	(0) Prozed	24.02.(4.2	(0) Prozed	34.93 (1-3/8) Brazed		
diameter	Low pressure	mm (in.)			34.93 (1-3/8) Brazed 41.28 (1-5/8) Brazed		41.28 (1-5/8) Brazed		
Set Model	Low pressure	mm (m.)	41.20 (1-3	o) brazeu	41.20 (1-3	(o) brazeu	41.20 (1-0	oro) brazeu	
Model			DUDY EDGONANA A (DO)	DUDY EDGOVANA A / DO	PURY-EP500YNW-A (-BS)	BUDY EDECOVARY A / DOX	BUDY EDSENVALVA (DO)*	PURY-EP550YNW-A (-BS)*	
	T		Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	
FAN	Type x Quantity Air flow rate	m³/min	295	295	295	410	410	410	
	Air ilow rate		4,917	4,917	4,917	6,833	6,833	6,833	
		L/s	10,416	10,416	10,416	14,477	14,477	14,477	
	Occupant Debate on an	cfm	Inverter-control, Dir			rect-driven by motor			
	Control, Driving m	kW	0.92 x 2	0.92 x 2	0.92 x 2	0.92 x 2	0.92 x 2	rect-driven by motor 0.92 x 2	
+-	Motor output		0.92 x 2 0 Pa (0 mmH ₂ O)	0.92 x 2 0 Pa (0 mmH ₂ O)	0.92 x 2 0 Pa (0 mmH ₂ O)	0.92 x 2 0 Pa (0 mmH ₂ O)	0.92 x 2 0 Pa (0 mmH ₂ O)	0.92 x 2 0 Pa (0 mmH ₂ O)	
	External static pro	ess.	Inverter scroll her			metic compressor			
Compressor	Туре		Inverter scroll her	Inverter	Inverter	Inverter	Inverter	rmetic compressor Inverter	
	Starting method	114/							
	Motor output	kW	13.0	13.0	13.0	14.3	14.3	14.3	
	Case heater	kW	-	-	-	-	-	_	
External finish			Pre-coated galvanized steel sheets		Pre-coated galvanized steel sheets		Pre-coated galvanized steel sheets		
			(+powder coatir			(+powder coating for -BS type)		ing for -BS type)	
			<munsell 5y<="" td=""><td></td><td></td><td>/ 8/1 or similar></td><td></td><td>/ 8/1 or similar></td></munsell>			/ 8/1 or similar>		/ 8/1 or similar>	
External dimension	n HxWxD	mm		1,858 (1,798 without		1,858 (1,798 without		1,858 (1,798 without	
			legs) x 1,750 x 740	legs) x 1,750 x 740	legs) x 1,750 x 740	legs) x 1,750 x 740	legs) x 1,750 x 740		
		in.		73-3/16 (70-13/16 without		73-3/16 (70-13/16 without		73-3/16 (70-13/16 without	
								legs) x 68-15/16 x 29-3/16	
Protection	High pressure pro	otection			High pressure sensor			r, High pressure switch	
devices Inverter circuit (COMP./FAN) Compressor			at 4.15 MPa (601 psi)		at 4.15 MPa (601 psi)		at 4.15 MPa (601 psi)		
		Over-heat protection, (Over-current protection	Over-heat protection, (Over-current protection	Over-heat protection,	Over-current protection		
			-	-	-	-	-	-	
	Fan motor		-	-	-	-	-	-	
Refrigerant	Type x original ch							R410A x 10.8 kg (24 lbs)	
Net weight kg (lbs)		345 (761)	345 (761)	345 (761)	345 (761)	345 (761)	345 (761)		
Heat exchanger		Salt-resistant cross		Salt-resistant cross			fin & aluminium tube		
Pipe between unit	High pressure	mm (in.)	22.2 (7/8) Brazed		22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	
and distributor	Low pressure	mm (in.)			28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	
Optional parts			Outdoor Twinning k		Outdoor Twinning k		Outdoor Twinning	kit: CMY-R200VBK4	
		Joint: CMY-R160-J1			Y-Y102LS-G2,CMY-R160-J1		IY-Y102LS-G2,CMY-R160-J1		
		Main BC controller	: CMB-P1016V-KA		r: CMB-P1016V-KA	Main BC controller: CMB-P1016V-KA			
			Sub BC controller: CMB-P104V-KB		Sub BC controller		Sub BC controller: CMB-P104V-KB		

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2) + ErP Lot 21/6 calculation method to EN14825

*	()			
	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

*3 Nominal heating conditions (subject to JIS B8615-2) Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.) Eurovent registered
*4 Cooling mode / Heating mode

^{*22}HP (P550) can be used only in combination with others.

Outdoor Unit



72



^{*5} External static pressure option is available (30Pa, 60Pa, 80Pa / 3.1mmH₂O, 6.1mmH₂O, 8.2mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

*Due to continuing improvement, above specification may be subject to change without notice.

ZUBADAN ZUBADAN



Heating or Cooling

ZUBADAN series — PUHY-HP YHM-A(-BS) PUHY-HP YSHM-A(-BS)

Bringing year round comfort solutions to extreme climates

CITY MULTI ZUBADAN series combines the ultimate in application flexibility and powerful cooling and heating capabilities to deliver precise comfort even in the coldest days of the year down to -25°C.

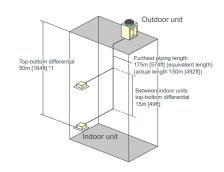
The technology behind this is a Flash Injection Circuit which provides the optimum amount of refrigerant to the system via a compressor through a specially designed injection port to ensure a particularly stable operation. With this, ZUBADAN can provide full heating performance even at -15°C and continuous heating for up to 250 minutes in one continuous cycle, ensuring phenomenal heating performance at low temperatures.

Installation image



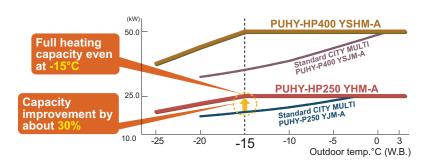
System Pipe Lengths

[8-10HP]	
Refrigerant Piping Lengths Total length······	Maximum meters [Feet] 300 [984]
Maximum allowable length······	150 (175equivalent) [492 (574)]
Farthest indoor from first branch	40 [131]
Vertical differentials between units	Maximum meters [Feet]
Indoor/outdoor (outdoor higher)·····	50 [164]
Indoor/outdoor (outdoor lower)	40 [131]
Indoor/indoor · · · · · · · · · · · · · · · · · ·	15 [49]



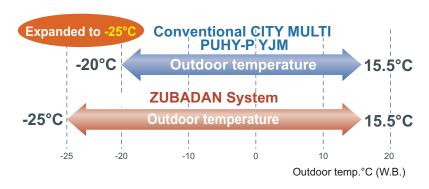
^{*1} When the outdoor unit is installed below the indoor unit, top-bottom differential is 40m [131 ft]

Stable Heating Performance even at -15°C

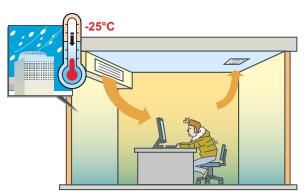


Using an industry first 'Flash-injection Circuit', the ZUBADAN System is able to provide FULL heating performance in ambient temperatures as low as -15°C.

Expanded Heating Operation down to -25°C



From a previous LOWEST operating ambient temperature of -20°C, the ZUBADAN System pushes the boundaries of technology to give heating in ambient temperatures as low as -25°C.



Previously, heating performance dropped off when the temperature fell below -20°C!

With ZUBADAN System



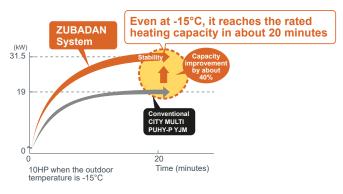
The new ZUBADAN System has no trouble keeping the occupants nice and warm at such temperatures.

High Static Pressure Setting

With our new ZUBADAN model, high static pressure setting up to 60Pa is available by setting the dip switch (0Pa at factory setting) making it an ideal and flexible solution for any type of application.

Shorter Warm-up in about 20 Min.

With its new improved startup performance, the ZUBADAN system achieves full heating capacity even when outdoor temperatures are as low as -15°C. Heating capacity, about 20 minutes after startup is improved by 40% compared to conventional models; ensuring occupants have an immediate comfortable air solution.



Heating capacity

Reliable and Long Product Life Cycle

Backup Function (HP400 and HP500 models)

The ZUBADAN system ensures an exceptionally high level of reliability by utilising a new backup function, which can be easily operated in the event of a malfunction from an indoor unit remote controller.



Rotation Function (HP400 and HP500 models)

Running outdoor units alternately using its newly developed 'Rotation Function', the system is able to ensure an optimum product life cycle for both of its component units.



Maximum Stable Operation

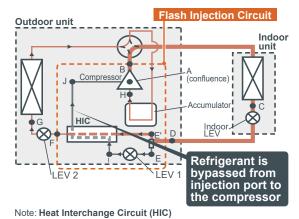
By utilising our advanced Flash Injection Circuit, the system can not only provide continuous heating for up to 250 minutes in one continuous cycle, but also significantly lessens defrost time to give exceptionally stable heating operation.

Heating up to 250 min. straight

Reduced Defrosting time

Startup Comfort

One of the key factors of the units' newly designed Flash Injection Circuit is that the optimal amount of refrigerant can be provided to the system via the compressor through a specially designed injection port to ensure particularly stable operation. In simple terms, the system allows a quick startup time and continuous heating; even in low ambient conditions.

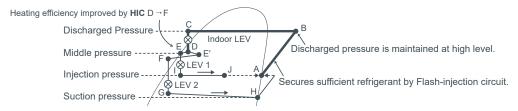


Heating efficiency is improved by enhancing the recollection of heat at the outdoor unit with the low temperature refrigerant from the HIC.

Constant Comfort

With its new highly effective defrost feature (which prevents automatic defrosting when it is not required), the ZUBADAN System can deliver conditioned heating operation for up to 250 minutes in one continuous cycle!

Heating capacity is maintained by the Flash-injection circuit.



[Pressure Enthalpy diagram showing HIC]

OUTDOOR UNIT ZUBADAN (Heat Pump) Series(Y)

PUHY-HP Y(S)HM-A(-BS)

▶ Specifications



Set name			PUHY-HP200YHM-A(-BS)	PUHY-HP250YHM-A(-BS)	PUHY-HP400	YSHM-A(-BS)	PUHY-HP500	YSHM-A(-BS)
Power source				3-phase 4-wire 380	0-400-415V 50/60	Hz		
Cooling capacity *1 kW		kW	22.4	28.0	45	5.0	56	6.0
(Nominal)	*1	BTU/h	76,400	95,500	153	,500	191	,100
	Power input	kW	6.40	9.06	12	.86	18	.16
	Current input	Α	10.8-10.2-9.8	15.2-14.5-14.0	21.7-20).6-19.8	30.6-29	9.1-28.0
	COP	kW/kW	3.50	3.09	3.	49	3.	08
Temp.	Indoor	W.B.		15 ~ 24°C	(59 ~ 75°F)			
range of cooling	Outdoor	D.B.		- 5 ~ 43°C ((23 ~ 109°F)			
Heating cap	acity *2	kW	25.0	31.5	50	0.0	63	3.0
(Nominal)	*2	BTU/h	85,300	107,500	170	,600	215	,000
` /	Power input	kW	6.52	8.94	13	.35	18	.04
	Current input	А	11.0-10.4-10.0	15.0-14.3-13.8	22.5-21	.4-20.6	30.4-28	3.9-27.8
	COP	kW/kW	3.83	3.52	3.	74	3.	49
Temp.	Indoor	D.B.		15 ~ 27°C	(59 ~ 81°F)			
range								
of heating	Outdoor	W.B.		-25 ~ 15.5°C	(-13 ~ 60°F)			
Indoor unit	Total capaci	ity		50 ~ 130% of out	door unit capacity	/		
connectable	Model/Quar	ntity	P15~P250 / 1~17	P15 ~ P250 / 1 ~ 21	P15 ~ P25	50 / 1 ~ 34	P15 ~ P2	50 / 1 ~ 43
Sound press (measured in a		dB <a>	56	57	59		60	
		mm(in.)	ø12.7 (ø1/2) Brazed	ø12.7 (ø1/2) Brazed	ø15.88 (ø5	5/8) Brazed	ø15.88 (ø5/8) Brazed	
				1/8) Brazed		1/8) Brazed		
Model				,				
External finis	sh		Pre-coated galvanized steel shee	1 /	1 /	ets <munsell 5<="" td=""><td>1 /</td></munsell>	1 /	
		mm	1,710 (without legs 1,650) x 920 x 760	1,710 (without legs 1,650) x 920 x 760			1,710 (without legs 1,650) x 920 x 760	
External dimens	ion H x W x D		67-3/8 (without legs 65)	67-3/8 (without legs 65)	67-3/8 (without leas 65)	67-3/8 (without leas 65)	67-3/8 (without legs 65)	67-3/8 (without leas 65)
		in.	x 36-1/4 x 29-15/16	x 36-1/4 x 29-15/16	x 36-1/4 x 29-15/16	x 36-1/4 x 29-15/16	x 36-1/4 x 29-15/16	x 36-1/4 x 29-15/16
Net weight		kg(lbs)	220 (486)	220 (486)	220 (486)	220 (486)	220 (486)	220 (486)
Heat exchar	nger	O()	Salt-resistant cros	s fin & copper tube	Salt-resistant cross fin &		s fin & copper tub	oe
	Type		Inverter scroll her		Inverter scroll hermetic compressor			
Compressor	Starting me	thod	Inve	erter		Inve	erter .	
	Motor output	kW	5.3	6.7	5.3	5.3	6.7	6.7
*3		m³/min	225	225	225	225	225	225
	Air flow rate	L/s	3,750	3,750	3,750	3,750	3,750	3,750
		cfm	7,945	7,945	7,945	7,945	7,945	7,945
FAN	Type x Qua	ntity	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1
	Motor output	kW	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1
	External station	c press.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
5 :	High pressure	protection	High pressure sensor, High press	sure switch at 4.15 MPa (601 psi)	, , , , , , , , , , , , , , , , , , , ,			5 MPa (601 psi)
Protection	Inverter circuit (C	COMP./FAN)	Over-heat protection, (Over-current protection	Over-heat protection, Over-current protection			ection
devices Compressor		r	Over-heat	protection	Over-heat protection			
Refrigerant	rigerant Type x Original charge R410A x 9.0kg (20 lbs) R410A x 9.0kg (20 lbs)		R410A x 9.0kg (20 lbs)	R410A x 9.0kg (20 lbs)	R410A x 9.0kg (20 lbs)	R410A x 9.0kg (20 lbs)		
Pipe between	Liquid pipe		-	-			ø9.52 (ø3/8) Flare	
unit distributor	Gas pipe	mm(in.)	-	-	` '	\ /	ø22.2 (ø7/8) Brazed	` '
Optional parts		, , ,	Joint : CMY- Header : CMY-Y	-Y102SS-G2 104/108/1010-G	Outdoor Twinning kit: CMY-Y100VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010-G			



^{*1,*2} Nominal conditions

	Indoor	Outdoor	Pipe length	Level difference				
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB(95°F DB)	7.5m (24-9/16ft.)	0m (0ft.)				
Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)				

 $^{^*}$ 3 External static pressure option is available (30Pa, 60Pa / 3.1mmH₂O, 6.1mmH₂O). *Nominal condition * 1, * 2 are subject to JIS B8615-1. *Due to continuing improvement, above specification may be subject to change without notice.

Water Cooled Series



Heating or Cooling

WY series — PQHY-P Y(S)LM-A

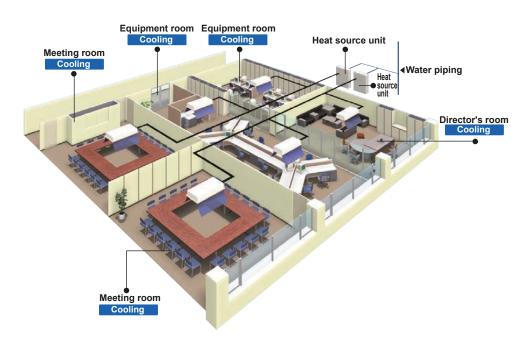
[WY (Heat Pump) series]

Water energy source system allows switching between heating and cooling.

The WY-Series has all the benefits of the Y-Series using water source condensing units.

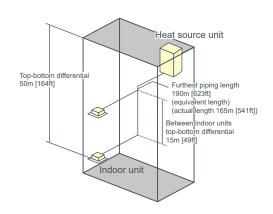
Condensing units can be situated indoors allowing greater design flexibility and no limitation on building size. Depending on capacity, up to 15 to 50 indoor units can be connected to a single condensing unit with individualised and/or centralised control. The two-pipe system allows all CITY MULTI solutions to switch between heating and cooling while maintaining a constant indoor temperature.

Installation image (WY series)



System Pipe Lengths

[P200-P900 (WY series)]							
Refrigerant Piping Lengths Total length Maximum allowable length							
Farthest indoor from first branch	[541(623)]						
Vertical differentials between units Indoor/heat source (heat source higher) Indoor/heat source (heat source lower) Indoor/indoor	40 [131]						





HEAT SOURCE UNIT WY (Heat Pump) Series PQHY-P YLM-A

► Specifications



Model			PQHY-P200YLM-A	PQHY-P250YLM-A	PQHY-P300YLM-A
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity	*1	kW	22.4	28.0	33.5
(Nominal)		kcal / h	20,000	25,000	30,000
	*1	BTU / h	76,400	95,500	114,300
	Power input	kW	3.71	4.90	6.04
	Current input	Α	6.2-5.9-5.7	8.2-7.8-7.5	10.1-9.6-9.3
	EER	kW / kW	6.03	5.71	5.54
Temp. range of	Indoor	W.B.	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)
cooling	Circulating water	°C	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)
Heating capacity	*2	kW	25.0	31.5	37.5
(Nominal)		kcal / h	21.500	27,100	32.300
(*2	BTU / h	85.300	107.500	128.000
	Power input	kW	3.97	5.08	6.25
	Current input	A	6.7-6.3-6.1	8.5-8.1-7.8	10.5-10.0-9.6
	COP	kW / kW	6.29	6.20	6.00
Temp. range of	Indoor	D.B.	15.0~27.0°C (59~81°F)	15.0~27.0°C (59~81°F)	15.0~27.0°C (59~81°F)
heating	Circulating water	°C	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)
Indoor unit	Total capacity	U	50~130% of heat source unit capacity	50~130% of heat source unit capacity	50~130% of heat source unit capacity
connectable	Model / Quantity		P15~P250/1~17	P15~P250/1~21	P15~P250/1~26
Sound pressure le			F15~F250/1~17	F15~F250/1~21	F15~F250/1~20
(measured in aned	choic room)	dB <a>	46	48	54
Refrigerant piping	Liquid pipe	mm (in.)	9.52 (3/8) Brazed	9.52 (3/8) Brazed	9.52 (3/8) Brazed
diameter		` ,	` ′		(12.7 (1/2) Brazed, farthest length >= 40 m)
	Gas pipe	mm (in.)	19.05 (3/4) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed
Circulating water	Water flow rate	m ³ / h	5.76	5.76	5.76
		L/min	96	96	96
		cfm	3.4	3.4	3.4
	Pressure drop	kPa	24	24	24
	Operating volume range	m³ / h	3.0 ~ 7.2	3.0 ~ 7.2	3.0 ~ 7.2
Compressor	Туре		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
•	Starting method		Inverter	Inverter	Inverter
	Motor output kW		4.8	6.2	7.7
	Case heater	kW	_	_	_
External finish			Galvanized steel sheets	Galvanized steel sheets	Galvanized steel sheets
External dimensio	n HxWxD	mm	1.100 x 880 x 550	1.100 x 880 x 550	1.100 x 880 x 550
		in.	43-5/16 x 34-11/16 x 21-11/16	43-5/16 x 34-11/16 x 21-11/16	43-5/16 x 34-11/16 x 21-11/16
Protection devices	High pressure pro	otection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	
	Inverter circuit (C	OMP)	Over-heat protection, Over-current protection		
	Compressor	OWIF.)	Over-heat protection Over-heat protection	Over-heat protection Over-heat protection	Over-heat protection Over-heat protection
Refrigerant	Type x original ch	arge	R410A x 5.0 kg (12 lbs)	R410A x 5.0 kg (12 lbs)	R410A x 5.0 kg (12 lbs)
Net weight	Type x original cr		174 (384)	174 (384)	174 (384)
Heat exchanger		kg (lbs)			
i icat excitatiget	Water volume in		plate type	plate type	plate type
	plate	L	5.0	5.0	5.0
	Water pressure Max.	MPa	2.0	2.0	2.0
Optional parts	1	1	Joint: CMY-Y102SS/LS-G2 Header: CMY-Y104, 108, 1010-G	Joint: CMY-Y102SS/LS-G2 Header: CMY-Y104, 108, 1010-G	Joint: CMY-Y102SS/LS-G2 Header: CMY-Y104, 108, 1010-G

1, 2 Normal conditions									
		Indoor	Water temperature	Pipe length	Level difference				
	Cooling	27°CD.B./19°CW.B. (81°FD.B./66°FW.B.)	30°C (86°F)	7.5m (24-9/16ft.)	Om (Oft.)				
	Heating	20°CD.B. (68°FD.B.)	20°C (68°F)						

^{*}The ambient temperature of the heat source unit needs to be kept below 40°CD.B.



^{*}The ambient relative humidity of the heat source unit needs to be kept below 80%.

*The heat source unit should not be installed at outdoor.

*Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit.

^{*}Be sure to provide interlocking for the unit operation and water circuit.

*Nominal condition *1,*2 are subject to JIS B8615-2.

*Due to continuing improvement, above specification may be subject to change without notice.

HEAT SOURCE UNIT WY (Heat Pump) Series PQHY-P YLM-A





Model			PQHY-P350YLM-A	PQHY-P400YLM-A	PQHY-P450YLM-A
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity	*1	kW	40.0	45.0	50.0
(Nominal)		kcal / h	35,000	40,000	45,000
	*1	BTU / h	136,500	153,500	170,600
	Power input	kW	7.14	8.03	9.29
	Current input	Α	12.0-11.4-11.0	13.5-12.8-12.4	15.6-14.8-14.3
	EER	kW / kW	5.60	5.60	5.38
Temp. range of	Indoor	W.B.	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)
cooling	Circulating water	°C	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)
Heating capacity	*2	kW	45.0	50.0	56.0
(Nominal)		kcal / h	40,000	45,000	50,000
	*2	BTU / h	153,500	170,600	191,100
	Power input	kW	7.53	8.37	9.79
	Current input	Α	12.7-12.0-11.6	14.1-13.4-12.9	16.5-15.7-15.1
	COP	kW / kW	5.97	5.97	5.72
Temp. range of	Indoor	D.B.	15.0~27.0°C (59~81°F)	15.0~27.0°C (59~81°F)	15.0~27.0°C (59~81°F)
heating	Circulating water	°C	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)
Indoor unit	Total capacity		50~130% of heat source unit capacity	50~130% of heat source unit capacity	50~130% of heat source unit capacity
connectable	Model / Quantity		P15~P250/1~30	P15~P250/1~34	P15~P250/1~39
Sound pressure le	evel	dB <a>	52	52	54
(measured in aned	choic room)	UB <a>	52	52	·
Refrigerant piping	Liquid pipe	mm (in.)	12.7 (1/2) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed
diameter	Gas pipe	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed
Circulating water	Water flow rate	m³/h	7.20	7.20	7.20
		L/min	120	120	120
		cfm	4.2	4.2	4.2
	Pressure drop	kPa	44	44	44
	Operating volume range	m³/h	4.5 ~ 11.6	4.5 ~ 11.6	4.5 ~ 11.6
Compressor	Туре		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
	Starting method		Inverter	Inverter	Inverter
	Motor output	kW	9.5	10.7	11.6
	Case heater	kW	_	_	_
External finish			Galvanized steel sheets	Galvanized steel sheets	Galvanized steel sheets
External dimensio	n HxWxD	mm	1.450 x 880 x 550	1.450 x 880 x 550	1.450 x 880 x 550
		in.	57-1/8 x 34-11/16 x 21-11/16	57-1/8 x 34-11/16 x 21-11/16	57-1/8 x 34-11/16 x 21-11/16
Protection devices	High pressure pro	otection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	
	Inverter circuit (C	OMP.)	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection
	Compressor	,	Over-heat protection	Over-heat protection	Over-heat protection
Refrigerant	Type x original ch	arge	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)
Net weight	7,	kg (lbs)	217 (479)	217 (479)	217 (479)
Heat exchanger		(1.23)	plate type	plate type	plate type
	Water volume in plate	L	5.0	5.0	5.0
	Water pressure Max.	MPa	2.0	2.0	2.0
Optional parts			Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104, 108, 1010-G	Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104, 108, 1010-G	Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104, 108, 1010-G

,	2 Nothinal Collations									
		Indoor	Water temperature	Pipe length	Level difference					
	Cooling	27°CD.B./19°CW.B. (81°FD.B./66°FW.B.)	30°C (86°F)	7.5m (24-9/16ft.)	Om (Oft.)					
	Heating	20°CD.B. (68°FD.B.)	20°C (68°F)							

^{*}The ambient temperature of the heat source unit needs to be kept below 40°CD.B.

^{*}Be sure to provide interlocking for the unit operation and water circuit.

*Nominal condition *1,*2 are subject to JIS B8615-2.

*Due to continuing improvement, above specification may be subject to change without notice.



^{*}The ambient relative humidity of the heat source unit needs to be kept below 80%.

*The heat source unit should not be installed at outdoor.

*Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit.

HEAT SOURCE UNIT WY (Heat Pump) Series

PQHY-P YLM-A

► Specifications



Power source			PQHY-P500YLM-A	PQHY-P550YLM-A	PQHY-P600YLM-A
rower source			3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity	*1	kW	56.0	63.0	69.0
(Nominal)		kcal / h	50,000	55,000	60,000
		BTU / h	191,100	215,000	235,400
	Power input	kW	11.17	12.54	14.49
	Current input	Α	18.8-17.9-17.2	21.1-20.1-19.3	24.4-23.2-22.3
	EER	kW / kW	5.01	5.02	4.76
Temp. range of	Indoor	W.B.	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)
	Circulating water	°C	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)
Heating capacity	*2	kW	63.0	69.0	76.5
(Nominal)		kcal / h	55,000	60,000	65,800
	*2	BTU / h	215,000	235,400	261,000
	Power input	kW	11.43	12.27	14.51
	Current input	Α	19.2-18.3-17.6	20.7-19.6-18.9	24.4-23.2-22.4
	COP	kW / kW	5.51	5.62	5.27
Temp. range of	Indoor	D.B.	15.0~27.0°C (59~81°F)	15.0~27.0°C (59~81°F)	15.0~27.0°C (59~81°F)
heating	Circulating water	°C	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)
Indoor unit	Total capacity		50~130% of heat source unit capacity	50~130% of heat source unit capacity	50~130% of heat source unit capacity
	Model / Quantity		P15~P250/1~43	P15~P250/2~47	P15~P250/2~50
Sound pressure le (measured in anec		dB <a>	54	56.5	56.5
Refrigerant piping	Liquid pipe	mm (in.)	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed
diameter	Gas pipe	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed
Circulating water	Water flow rate	m³/h	7.20	11.52	11.52
		L/min	120	192	192
		cfm	4.2	6.8	6.8
	Pressure drop	kPa	44	45	45
	Operating volume range	m³/h	4.5 ~ 11.6	6.0 ~ 14.4	6.0 ~ 14.4
Compressor	Туре		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
	Starting method		Inverter	Inverter	Inverter
	Motor output	kW	13.0	15.0	16.1
	Case heater	kW	_	0.045 (240 V)	0.045 (240 V)
External finish			Galvanized steel sheets	Galvanized steel sheets	Galvanized steel sheets
External dimension	n HxWxD	mm	1,450 x 880 x 550	1,450 x 880 x 550	1,450 x 880 x 550
		in.	57-1/8 x 34-11/16 x 21-11/16	57-1/8 x 34-11/16 x 21-11/16	57-1/8 x 34-11/16 x 21-11/16
Protection devices	High pressure pro	otection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)
	Inverter circuit (C	OMP.)	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection	
	Compressor		Over-heat protection	Over-heat protection	Over-heat protection
Refrigerant	Type x original ch	arge	R410A x 6.0 kg (14 lbs)	R410A x 11.7 kg (26 lbs)	R410A x 11.7 kg (26 lbs)
Net weight		kg (lbs)	217 (479)	246 (543)	246 (543)
Heat exchanger			plate type	plate type	plate type
	Water volume in plate	L	5.0	10.0	10.0
	Water pressure Max.	MPa	2.0	2.0	2.0
Optional parts			Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2	Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2	Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2
Optional parts					

1, 2 Normal conditions									
		Indoor	Water temperature	Pipe length	Level difference				
	Cooling	27°CD.B./19°CW.B. (81°FD.B./66°FW.B.)	30°C (86°F)	7.5m (24-9/16ft.)	Om (Oft.)				
	Heating	20°CD.B. (68°FD.B.)	20°C (68°F)						

^{*}The ambient temperature of the heat source unit needs to be kept below 40°CD.B.



^{*}The ambient relative humidity of the heat source unit needs to be kept below 80%.

*The heat source unit should not be installed at outdoor.

*Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit.

^{*}Be sure to provide interlocking for the unit operation and water circuit.

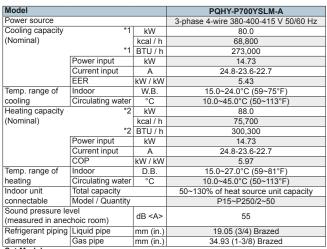
*Nominal condition *1,*2 are subject to JIS B8615-2.

*Due to continuing improvement, above specification may be subject to change without notice.

HEAT SOURCE UNIT WY (Heat Pump) Series

PQHY-P YSLM-A

► Specifications



diameter	Gas pipe mm (in.) 34.93 (1-3/8) Brazed				
Set Model					
Model			PQHY-P350YLM-A	PQHY-P350YLM-A	
Circulating water	Water flow rate	m³/h	7.20 -	+ 7.20	
		L/min	120 -	+ 120	
		cfm	4.2 -	+ 4.2	
	Pressure drop	kPa	44	44	
	Operating volume range	m³/h	4.5 + 4.5 ~	11.6 + 11.6	
Compressor	Туре		Inverter scroll her	metic compressor	
	Starting method		Inverter	Inverter	
	Motor output	kW	9.5	9.5	
	Case heater	kW	-	_	
External finish			Galvanized	steel sheets	
External dimensio	n HxWxD	mm	1,450 x 880 x 550	1,450 x 880 x 550	
		in.	57-1/8 x 34-11/16 x	57-1/8 x 34-11/16 x	
			21-11/16	21-11/16	
Protection devices	High pressure pro	otection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		
	Inverter circuit (C	OMP.)	Over-heat protection, Over-current protection		
	Compressor			Over-heat protection	
Refrigerant	Type x original ch	narge	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	
Net weight		kg (lbs)	217 (479)	217 (479)	
Heat exchanger			plate type	plate type	
	Water volume in plate	L	5.0	5.0	
	Water pressure MPa		2.0	2.0	
Optional parts			Heat Source Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202, 302S-G2 Header: CMY-Y104, 108, 1010-G		

1, 2 Normal conditions									
		Indoor	Water temperature	Pipe length	Level difference				
	Cooling	27°CD.B./19°CW.B. (81°FD.B./66°FW.B.)	30°C (86°F)	7.5m (24-9/16ft.)	Om (Oft.)				
	Heating	20°CD.B. (68°FD.B.)	20°C (68°F)						

^{*}The ambient temperature of the heat source unit needs to be kept below 40°CD.B

^{*}Be sure to provide interlocking for the unit operation and water circuit.

*Nominal condition *1,*2 are subject to JIS B8615-2.

*Due to continuing improvement, above specification may be subject to change without notice.



^{*}The ambient relative humidity of the heat source unit needs to be kept below 80%.

*The heat source unit should not be installed at outdoor.

*Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit.

HEAT SOURCE UNIT WY (Heat Pump) Series PQHY-P YSLM-A

► Specifications



Model			PQHY-P750YSLM-A	PQHY-P800YSLM-A
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity	*1	kW	85.0	90.0
(Nominal)		kcal / h	73,100	77,400
	*1	BTU / h	290,000	307,100
	Power input	kW	15.64	16.57
	Current input	A	26.4-25.0-24.1	27.9-26.5-25.6
	EER	kW / kW	5.43	5.43
Temp. range of	Indoor	W.B.	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)
cooling	Circulating water	°C	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)
Heating capacity	*2	kW	95.0	100.0
(Nominal)		kcal / h	81,700	86,000
	*2	BTU / h	324,100	341,200
	Power input	kW	15.90	16.75
	Current input	A	26.8-25.4-24.5	28.2-26.8-25.8
	COP	kW / kW	5.97	5.97
Temp. range of	Indoor	D.B.	15.0~27.0°C (59~81°F)	15.0~27.0°C (59~81°F)
heating	Circulating water	°C	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)
Indoor unit	Total capacity		50~130% of heat source unit capacity	50~130% of heat source unit capacity
connectable	Model / Quantity		P15~P250/2~50	P15~P250/2~50
Sound pressure le (measured in ane		dB <a>	55	55
Refrigerant piping	Liquid pipe	mm (in.)	19.05 (3/4) Brazed	19.05 (3/4) Brazed
diameter	Gas pipe	mm (in.)	34.93 (1-3/8) Brazed	34.93 (1-3/8) Brazed

Set Model						
Model			PQHY-P400YLM-A	PQHY-P350YLM-A	PQHY-P400YLM-A	PQHY-P400YLM-A
Circulating water	Water flow rate	m³/h	7.20	+ 7.20	7.20	+ 7.20
		L/min	120	+ 120	120	+ 120
		cfm	4.2	+ 4.2	4.2	+ 4.2
	Pressure drop	kPa	44	44	44	44
	Operating volume range	m³/h	4.5 + 4.5 ~	11.6 + 11.6	4.5 + 4.5 ~	11.6 + 11.6
Compressor	Туре		Inverter scroll her	metic compressor	Inverter scroll her	metic compressor
	Starting method		Inverter	Inverter	Inverter	Inverter
	Motor output	kW	10.7	9.5	10.7	10.7
	Case heater	kW	_	-	_	_
External finish			Galvanized steel sheets	Galvanized steel sheets	Galvanized steel sheets	Galvanized steel sheets
External dimension	n HxWxD	mm	1,450 x 880 x 550	1,450 x 880 x 550	1,450 x 880 x 550	1,450 x 880 x 550
		in.	57-1/8 x 34-11/16 x 21-11/16	57-1/8 x 34-11/16 x 21-11/16	57-1/8 x 34-11/16 x 21-11/16	57-1/8 x 34-11/16 x 21-11/16
Protection	High pressure pro	otection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi	
devices	Inverter circuit (COMP.)		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
	Compressor		Over-heat protection	Over-heat protection	Over-heat protection	Over-heat protection
Refrigerant	Type x original ch	arge	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)
Net weight		kg (lbs)	217 (479)	217 (479)	217 (479)	217 (479)
Heat exchanger			plate type	plate type	plate type	plate type
	Water volume in plate	L	5.0	5.0	5.0	5.0
	Water pressure Max.	MPa	2.0	2.0	2.0	2.0
Optional parts		Heat Source Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202, 302S-G2 Header: CMY-Y104, 108, 1010-G		Heat Source Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202, 302S-G2 Header: CMY-Y104, 108, 1010-G		

,	2 Nominal conditio	115				
		Indoor	Water temperature	Pipe length	Level difference	
	Cooling 27°CD.B./19°CW.B. (81°FD.B./66°FW.B.)		30°C (86°F)	7.5m (24-9/16ft.)	0m (0ft.)	
	Heating	20°CD.B. (68°FD.B.)	20°C (68°F)			

^{*}The ambient temperature of the heat source unit needs to be kept below 40°CD.B



^{*}The ambient relative humidity of the heat source unit needs to be kept below 80%.

*The heat source unit should not be installed at outdoor.

*Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit.

^{*}Be sure to provide interlocking for the unit operation and water circuit.

*Nominal condition *1,*2 are subject to JIS B8615-2.

*Due to continuing improvement, above specification may be subject to change without notice.

HEAT SOURCE UNIT WY (Heat Pump) Series PQHY-P YSLM-A

► Specifications



Model			PQHY-P850YSLM-A	PQHY-P900YSLM-A
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity	*1	kW	96.0	101.0
(Nominal)		kcal / h	82,600	86,900
	*1	BTU / h	327,600	344,600
	Power input	kW	18.03	19.38
	Current input	A	30.4-28.9-27.8	32.7-31.0-29.9
	EER	kW / kW	5.32	5.21
Temp. range of	Indoor	W.B.	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)
cooling	Circulating water	°C	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)
Heating capacity	*2	kW	108.0	113.0
(Nominal)		kcal / h	92,900	97,200
	*2	BTU / h	368,500	385,600
	Power input	kW	18.49	19.74
	Current input	A	31.2-29.6-28.5	33.3-31.6-30.5
	COP	kW / kW	5.84	5.72
Temp. range of	Indoor	D.B.	15.0~27.0°C (59~81°F)	15.0~27.0°C (59~81°F)
heating	Circulating water	°C	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)
Indoor unit	Total capacity		50~130% of heat source unit capacity	50~130% of heat source unit capacity
connectable	Model / Quantity		P15~P250/2~50	P15~P250/2~50
Sound pressure le (measured in ane		dB <a>	56	57
Refrigerant piping	Liquid pipe	mm (in.)	19.05 (3/4) Brazed	19.05 (3/4) Brazed
diameter	Gas pipe	mm (in.)	41.28 (1-5/8) Brazed	41.28 (1-5/8) Brazed

Set Model						
Model			PQHY-P450YLM-A	PQHY-P400YLM-A	PQHY-P450YLM-A	PQHY-P450YLM-A
Circulating water	Water flow rate	m ³ / h	7.20 -	+ 7.20	7.20	+ 7.20
		L/min	120 -	+ 120	120	+ 120
		cfm	4.2 -	+ 4.2	4.2	+ 4.2
	Pressure drop	kPa	44	44	44	44
	Operating volume range	m³/h	4.5 + 4.5 ~	11.6 + 11.6	4.5 + 4.5 ~	11.6 + 11.6
Compressor	Туре		Inverter scroll her	metic compressor	Inverter scroll her	metic compressor
	Starting method		Inverter	Inverter	Inverter	Inverter
	Motor output	kW	11.6	10.7	11.6	11.6
	Case heater	kW	-	-	_	_
External finish			Galvanized steel sheets	Galvanized steel sheets	Galvanized steel sheets	Galvanized steel sheets
External dimension	n HxWxD	mm	1,450 x 880 x 550	1,450 x 880 x 550	1,450 x 880 x 550	1,450 x 880 x 550
	in.		57-1/8 x 34-11/16 x 21-11/16	57-1/8 x 34-11/16 x 21-11/16	57-1/8 x 34-11/16 x 21-11/16	57-1/8 x 34-11/16 x 21-11/16
Protection	High pressure pro	otection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi	
devices	Inverter circuit (COMP.)		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
	Compressor		Over-heat protection	Over-heat protection	Over-heat protection	Over-heat protection
Refrigerant	Type x original ch	narge	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)
Net weight		kg (lbs)	217 (479)	217 (479)	217 (479)	217 (479)
Heat exchanger			plate type	plate type	plate type	plate type
	Water volume in plate	L	5.0	5.0	5.0	5.0
	Water pressure Max.	MPa	2.0	2.0	2.0	2.0
Optional parts		Heat Source Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202, 302S-G2 Header: CMY-Y104, 108, 1010-G		Heat Source Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202, 302S-G2 Header: CMY-Y104, 108, 1010-G		

٠,	2 Nominal conditio	115				
		Indoor	Water temperature	Pipe length	Level difference	
	Cooling	27°CD.B./19°CW.B. (81°FD.B./66°FW.B.)	30°C (86°F)	7.5m (24-9/16ft.)	0m (0ft.)	
	Heating	20°CD.B. (68°FD.B.)	20°C (68°F)			

^{*}The ambient temperature of the heat source unit needs to be kept below 40°CD.B.

^{*}Be sure to provide interlocking for the unit operation and water circuit.

*Nominal condition *1,*2 are subject to JIS B8615-2.

*Due to continuing improvement, above specification may be subject to change without notice.



^{*}The ambient relative humidity of the heat source unit needs to be kept below 80%.

*The heat source unit should not be installed at outdoor.

*Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit.

Water Cooled Series



Simultaneous Heating and Cooling

WR2 series — PQRY-P Y(S)LM-A

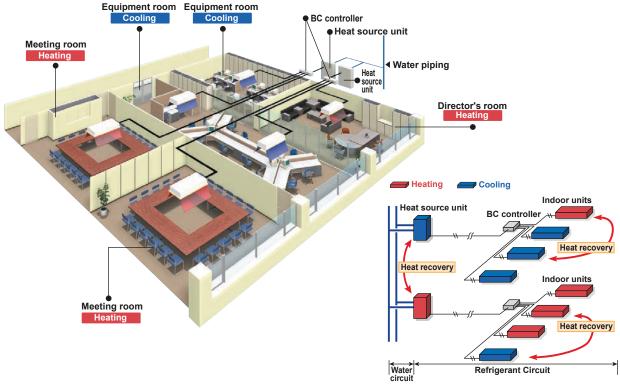
[WR2 (Heat Recovery) series]

Advanced water heat source unit enjoying the benefits of R2 series

The CITY MULTI WR2 series provides all of the advantages of the R2 series with the added advantages of a water heat source system, making it suitable for a wider range of applications in high rises, frigid climates, coastal areas,

Not only does it produce heat recovery from the indoor units on the same 2-pipe refrigerant circuit, it also produces heat recovery via the water circuit between heat source units, making it a very economical system.

Installation image (WR2 series)



[P200-P900 (WR2 series)]

System Pipe Lengths	
Refrigerant Piping Lengths	Maximum meters [Feet]
Total length·····	550-750 [1,804-2,460]
Maximum allowable length · · · · · · · · · · · · · · · · · · ·	165 (190 equivalent) [541 (623)]
Maximum length between heat source and single/main BC controller *Maximum total length is dependent upon the distance between the outdoor unit and the single/main BC Controller.	110 [360]*1
Maximum length between single/main BC controller and indoor · · · · · · · · ·	40 [131]*2
Vertical differentials between units	Maximum meters [Feet]
Indoor/ heat source (heat source higher) · · · · · · · · · · · · · · · · · · ·	50 [164]
Indoor/ heat source (heat source lower) · · · · · · · · · · · · · · · · · · ·	40 [131]
Indoor/BC controller (single/main) · · · · · · · · · · · · · · · · · · ·	15 (10) [49 (32)]*3
Indoor/indoor · · · · · · · · · · · · · · · · · ·	30 (20) [98 (65)]*4
Main BC Controller/Sub BC Controller	15 (10) [49 (32)]*5

- *1 Details refer to the DATA BOOK
- *2 Farthest Indoor from BC controller can exceed 40m [131ft.] till 60m [197ft.] if no Indoor sized P200, P250 connected.

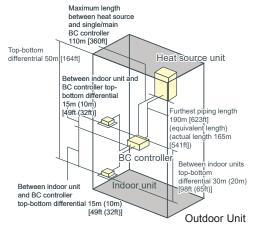
 Details refer to the DATA BOOK

- **3 Distance of Indoor sized P200, P250 from BC must be less than 10m [32ft.], if any.

 **4 Distance of Indoor sized P200, P250 from IU must be less than 20m [65ft.], if any.

 **5 Distance between BC (Main) and BC (Sub) must be less than 10 m, if two BC (Sub) are installed or Indoor sized P200 and/or P250 is connected

Double heat recovery (WR2)





HEAT SOURCE UNIT WR2 (Heat Recovery) Series PQRY-P YLM-A

► Specifications



Model			PQRY-P200YLM-A	PQRY-P250YLM-A	PQRY-P300YLM-A
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity	*1	kW	22.4	28.0	33.5
(Nominal)		kcal / h	20,000	25,000	30,000
	*1 BTU / h		76,400	95,500	114,300
	Power input	kW	3.71	4.90	6.04
	Current input	Α	6.2-5.9-5.7	8.2-7.8-7.5	10.1-9.6-9.3
	EER	kW / kW	6.03	5.71	5.54
Temp. range of	Indoor	W.B.	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)
cooling	Circulating water	°C	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)
Heating capacity	*2	kW	25.0	31.5	37.5
(Nominal)		kcal / h	21,500	27,100	32,300
,	*2	BTU / h	85,300	107.500	128.000
	Power input	kW	3.97	5.08	6.25
	Current input	A	6.7-6.3-6.1	8.5-8.1-7.8	10.5-10.0-9.6
	COP	kW / kW	6.29	6.20	6.00
Temp. range of	Indoor	D.B.	15.0~27.0°C (59~81°F)	15.0~27.0°C (59~81°F)	15.0~27.0°C (59~81°F)
heating	Circulating water	°C	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)
Indoor unit	Total capacity		50~150% of heat source unit capacity	50~150% of heat source unit capacity	50~150% of heat source unit capacity
connectable	Model / Quantity		P15~P250/1~20	P15~P250/1~25	P15~P250/1~30
Sound pressure le			F 13 -F 230/1 - 20	F 13°-F 230/1°-23	F 13 -F 230/1-30
(measured in ane		dB <a>	46	48	54
Refrigerant piping	High pressure	mm (in.)	15.88 (5/8) Brazed	19.05 (3/4) Brazed	19.05 (3/4) Brazed
diameter	Low pressure	mm (in.)	19.05 (3/4) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed
Circulating water	Water flow rate	m³/h	5.76	5.76	5.76
_		L/min	96	96	96
		cfm	3.4	3.4	3.4
	Pressure drop	kPa	24	24	24
	Operating volume range	m³/h	3.0 ~ 7.2	3.0 ~ 7.2	3.0 ~ 7.2
Compressor	Туре		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
·	Starting method		Inverter	Inverter	Inverter
	Motor output	kW	4.8	6.2	7.7
	Case heater	kW		=	-
External finish			Galvanized steel sheets	Galvanized steel sheets	Galvanized steel sheets
External dimensio	n HxWxD	mm	1,100 x 880 x 550	1,100 x 880 x 550	1,100 x 880 x 550
		in.	43-5/16 x 34-11/16 x 21-11/16	43-5/16 x 34-11/16 x 21-11/16	43-5/16 x 34-11/16 x 21-11/16
Protection devices	High pressure pre			High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	
	Inverter circuit (C	OMP.)	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection
	Compressor		Over-heat protection	Over-heat protection	Over-heat protection
Refrigerant	Type x original ch	narge	R410A x 5.0 kg (12 lbs)	R410A x 5.0 kg (12 lbs)	R410A x 5.0 kg (12 lbs)
Net weight		kg (lbs)	172 (380)	172 (380)	172 (380)
Heat exchanger			plate type	plate type	plate type
	Water volume in plate	L	5.0	5.0	5.0
	Water pressure Max.	MPa	2.0	2.0	2.0
Optional parts			Joint: CMY-Y102SS/LS-G2, CMY-R160-J1 BC controller: CMB-P104, 105, 106, 108, 1010, 1013, 1016V-G1 Main BC controller: CMB-P108, 1010, 1013, 1016V-GA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1	Joint: CMY-Y102SSILS-G2, CMY-R160-J1 BC controller: CMB-P104, 105, 106, 108, 1010, 1013, 1016V-G1 Main BC controller: CMB-P108, 1010, 1013, 1016V-GA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1	Joint: CMY-Y102SSILS-G2, CMY-R160-J1 BC controller: CMB-P104, 105, 106, 108, 1010, 1013, 1016V-G1 Main BC controller: CMB-P108, 1010, 1013, 1016V-GA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1

,	2 Nominal conditio	115				
		Indoor	Water temperature	Pipe length	Level difference	
	Cooling 27°CD.B./19°CW.B. (81°FD.B./66°FW.B.)		30°C (86°F)	7.5m (24-9/16ft.)	0m (0ft.)	
	Heating	20°CD.B. (68°FD.B.)	20°C (68°F)			

^{*}The ambient temperature of the heat source unit needs to be kept below 40°CD.B.

^{*}Be sure to provide interlocking for the unit operation and water circuit.

*Nominal condition *1,*2 are subject to JIS B8615-2.

*Due to continuing improvement, above specification may be subject to change without notice.



^{*}The ambient relative humidity of the heat source unit needs to be kept below 80%.

*The heat source unit should not be installed at outdoor.

*Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit.

HEAT SOURCE UNIT WR2 (Heat Recovery) Series PQRY-P YLM-A

► Specifications



Model			PQRY-P350YLM-A	PQRY-P400YLM-A	PQRY-P450YLM-A
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity	*1	kW	40.0	45.0	50.0
(Nominal)		kcal / h	35,000	40,000	45,000
	*1	BTU / h	136,500	153,500	170,600
	Power input	kW	7.14	8.03	9.29
	Current input	Α	12.0-11.4-11.0	13.5-12.8-12.4	15.6-14.8-14.3
	EER	kW / kW	5.60	5.60	5.38
Temp. range of	Indoor	W.B.	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)
cooling	Circulating water	°C	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)
Heating capacity	*2	kW	45.0	50.0	56.0
(Nominal)		kcal / h	40,000	45,000	50,000
	*2	BTU / h	153,500	170,600	191,100
	Power input	kW	7.53	8.37	9.79
	Current input	Α	12.7-12.0-11.6	14.1-13.4-12.9	16.5-15.7-15.1
	COP	kW / kW	5.97	5.97	5.72
Temp. range of	Indoor	D.B.	15.0~27.0°C (59~81°F)	15.0~27.0°C (59~81°F)	15.0~27.0°C (59~81°F)
heating	Circulating water	°C	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)
Indoor unit	Total capacity		50~150% of heat source unit capacity	50~150% of heat source unit capacity	50~150% of heat source unit capacity
connectable	Model / Quantity		P15~P250/1~35	P15~P250/1~40	P15~P250/1~45
Sound pressure le					
(measured in aned	choic room)	dB <a>	52	52	54
Refrigerant piping	High pressure	mm (in.)	22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed
diameter	Low pressure	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed
Circulating water	Water flow rate	m³/h	7.20	7.20	7.20
		L/min	120	120	120
		cfm	4.2	4.2	4.2
	Pressure drop	kPa	44	44	44
	Operating volume range	m³/h	4.5 ~ 11.6	4.5 ~ 11.6	4.5 ~ 11.6
Compressor	Туре		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
	Starting method		Inverter	Inverter	Inverter
	Motor output	kW	9.5	10.7	11.6
	Case heater kW		-	-	_
External finish			Galvanized steel sheets	Galvanized steel sheets	Galvanized steel sheets
External dimension	n HxWxD	mm	1,450 x 880 x 550	1,450 x 880 x 550	1,450 x 880 x 550
		in.	57-1/8 x 34-11/16 x 21-11/16	57-1/8 x 34-11/16 x 21-11/16	57-1/8 x 34-11/16 x 21-11/16
Protection devices	High pressure pro	otection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)
	Inverter circuit (C	OMP.)	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection
	Compressor		Over-heat protection	Over-heat protection	Over-heat protection
Refrigerant	Type x original ch	arge	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)
Net weight		kg (lbs)	216 (477)	216 (477)	216 (477)
Heat exchanger			plate type	plate type	plate type
	Water volume in plate	L	5.0	5.0	5.0
	Water pressure Max.	MPa	2.0	2.0	2.0
Optional parts			Joint: CMY-Y102SS/LS-G2, CMY-R160-J1 BC controller: CMB-P104, 105, 106, 108, 1010, 1013, 1016V-G1 Main BC controller: CMB-P108, 1010, 1013, 1016V-GA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1	Joint: CMY-Y102SS/LS-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1010, 1013, 1016V-GA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1	Joint: CMY-Y102SS/LS-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1010, 1013, 1016V-GA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1

,	2 Nominal conditio	115				
		Indoor	Water temperature	Pipe length	Level difference	
	Cooling 27°CD.B./19°CW.B. (81°FD.B./66°FW.B.)		30°C (86°F)	7.5m (24-9/16ft.)	0m (0ft.)	
	Heating	20°CD.B. (68°FD.B.)	20°C (68°F)			

^{*}The ambient temperature of the heat source unit needs to be kept below 40°CD.B



^{*}The ambient relative humidity of the heat source unit needs to be kept below 80%.

*The heat source unit should not be installed at outdoor.

*Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit.

^{*}Be sure to provide interlocking for the unit operation and water circuit.

*Nominal condition *1,*2 are subject to JIS B8615-2.

*Due to continuing improvement, above specification may be subject to change without notice.

HEAT SOURCE UNIT WR2 (Heat Recovery) Series PQRY-P YLM-A





Model			PQRY-P500YLM-A	PQRY-P550YLM-A	PQRY-P600YLM-A
Power source		3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz	
Cooling capacity *1 kW		56.0	63.0	69.0	
(Nominal)		kcal / h	50,000	55,000	60,000
		BTU / h	191,100	215,000	235,400
	Power input kW		11.17	12.54	14.49
	Current input	Α	18.8-17.9-17.2	21.1-20.1-19.3	24.4-23.2-22.3
	EER	kW / kW	5.01	5.02	4.76
Temp. range of	Indoor	W.B.	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)
cooling	Circulating water	°C	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)
Heating capacity	*2	kW	63.0	69.0	76.5
(Nominal)		kcal / h	55,000	60,000	65,800
		BTU / h	215,000	235,400	261,000
	Power input	kW	11.43	12.27	14.51
	Current input	Α	19.2-18.3-17.6	20.7-19.6-18.9	24.4-23.2-22.4
	COP	kW / kW	5.51	5.62	5.27
Temp. range of	Indoor	D.B.	15.0~27.0°C (59~81°F)	15.0~27.0°C (59~81°F)	15.0~27.0°C (59~81°F)
heating	Circulating water	°C	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)
Indoor unit	Total capacity		50~150% of heat source unit capacity	50~150% of heat source unit capacity	50~150% of heat source unit capacity
connectable	Model / Quantity		P15~P250/1~50	P15~P250/2~50	P15~P250/2~50
Sound pressure le (measured in aned		dB <a>	54	56.5	56.5
Refrigerant piping diameter	High pressure	mm (in.)	22.2 (7/8) Brazed	22.2 (7/8) Brazed (1-1/8 (28.58) Brazed for the part that exceeds 65 m)	22.2 (7/8) Brazed (1-1/8 (28.58) Brazed for the part that exceeds 65 m)
	Low pressure	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	34.93 (1-3/8) Brazed
Circulating water	Water flow rate	m ³ /h	7.20	11.52	11.52
		L/min	120	192	192
		cfm	4.2	6.8	6.8
	Pressure drop	kPa	44	45	45
	Operating volume range	m ³ / h	4.5 ~ 11.6	6.0 ~ 14.4	6.0 ~ 14.4
Compressor	Туре		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
	Starting method		Inverter	Inverter	Inverter
	Motor output	kW	13.0	15.0	16.1
	Case heater	kW	-	0.045 (240 V)	0.045 (240 V)
External finish			Galvanized steel sheets	Galvanized steel sheets	Galvanized steel sheets
External dimensio	n HxWxD	mm	1,450 x 880 x 550	1,450 x 880 x 550	1,450 x 880 x 550
		in.	57-1/8 x 34-11/16 x 21-11/16	57-1/8 x 34-11/16 x 21-11/16	57-1/8 x 34-11/16 x 21-11/16
Protection devices	High pressure pro	otection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)
	Inverter circuit (C	OMP.)	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection
	Compressor		Over-heat protection	Over-heat protection	Over-heat protection
Refrigerant	Type x original ch	narge	R410A x 6.0 kg (14 lbs)	R410A x 11.7 kg (26 lbs)	R410A x 11.7 kg (26 lbs)
Net weight		kg (lbs)	216 (477)	246 (543)	246 (543)
Heat exchanger		/	plate type	plate type	plate type
	Water volume in plate	L	5.0	10.0	10.0
	Water pressure Max.	MPa	2.0	2.0	2.0
Optional parts			Joint: CMY-Y102SS/LS-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1010, 1013, 1016V-GA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1	Joint: CMY-Y102SS/LS-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1010, 1013, 1016V-GA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1	Joint: CMY-Y102SS/LS-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1010, 1013, 1016V-GA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1

٠,	2 Normal Conditions											
		Indoor	Water temperature	Pipe length	Level difference							
	Cooling	27°CD.B./19°CW.B. (81°FD.B./66°FW.B.)	30°C (86°F)	7.5m (24-9/16ft.)	0m (0ft.)							
	Heating	20°CD.B. (68°FD.B.)	20°C (68°F)									

^{*}The ambient temperature of the heat source unit needs to be kept below 40°CD.B.

^{*}Be sure to provide interlocking for the unit operation and water circuit.

*Nominal condition *1,*2 are subject to JIS B8615-2.

*Due to continuing improvement, above specification may be subject to change without notice.



^{*}The ambient relative humidity of the heat source unit needs to be kept below 80%.

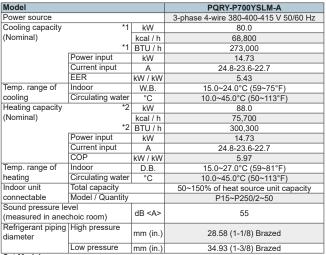
*The heat source unit should not be installed at outdoor.

*Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit.

HEAT SOURCE UNIT WR2 (Heat Recovery) Series

PQRY-P YSLM-A

► Specifications



	Low pressure	IIIIII (III. <i>)</i>	34.93 (1-3/6) Blazeu			
Set Model						
Model			PQRY-P350YLM-A	PQRY-P350YLM-A		
Circulating water	Water flow rate	m³/h	7.20 -	+ 7.20		
		L/min	120 -	+ 120		
		cfm	4.2 -	+ 4.2		
	Pressure drop	kPa	44	44		
	Operating volume range	m³/h	4.5 + 4.5 ~	11.6 + 11.6		
Compressor	Туре		Inverter scroll her	metic compressor		
	Starting method		Inverter	Inverter		
	Motor output	kW	9.5	9.5		
	Case heater	kW	-	-		
External finish			Galvanized	steel sheets		
External dimensio	n HxWxD	mm	1,450 x 880 x 550	1,450 x 880 x 550		
		in.	57-1/8 x 34-11/16 x	57-1/8 x 34-11/16 x		
			21-11/16	21-11/16		
Protection	High pressure pro	otection		, High pressure switch		
devices			at 4.15 MPa (601 psi)			
	Inverter circuit (C	OMP.)	Over-heat protection, Over-current protection			
	Compressor			Over-heat protection		
Refrigerant	Type x original ch	narge		R410A x 6.0 kg (14 lbs)		
Net weight		kg (lbs)	216 (477)	216 (477)		
Heat exchanger			plate type	plate type		
	Water volume in plate	L	5.0	5.0		
	Water pressure MF		2.0	2.0		
Optional parts			Heat Source Twinning kit: CMY-Q200CBK Joint: CMY-Y102SS/LS-G2, CMY-R160-J1 Main BC controller: CMB-P1016V-HA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1			

Notes:

*1.*2 Nominal conditions

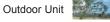
٠,												
		Indoor	Water temperature	Pipe length Level difference								
	Cooling	27°CD.B./19°CW.B. (81°FD.B./66°FW.B.)	30°C (86°F)	7.5m (24-9/16ft.)	0m (0ft.)							
	Heating 20°CD.B. (68°FD.B.)		20°C (68°F)									

^{*}The ambient temperature of the heat source unit needs to be kept below 40°CD.B.

*The ambient relative humidity of the heat source unit needs to be kept below 80%.

*The heat source unit should not be installed at outdoor.





^{*}Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit.
*Be sure to provide interlocking for the unit operation and water circuit.
*Nominal condition *1,*2 are subject to JIS B8615-2.

^{*}Due to continuing improvement, above specification may be subject to change without notice.

HEAT SOURCE UNIT WR2 (Heat Recovery) Series PQRY-P YSLM-A

► Specifications



Model			PQRY-P750YSLM-A	PQRY-P800YSLM-A
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity	*1	kW	85.0	90.0
(Nominal)		kcal / h	73,100	77,400
	*1	BTU / h	290,000	307,100
	Power input	kW	15.64	16.57
	Current input	Α	26.4-25.0-24.1	27.9-26.5-25.6
	EER	kW / kW	5.43	5.43
Temp. range of	Indoor	W.B.	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)
cooling	Circulating water	°C	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)
Heating capacity	*2	kW	95.0	100.0
(Nominal)		kcal / h	81,700	86,000
	*2	BTU / h	324,100	341,200
	Power input	kW	15.90	16.75
	Current input	Α	26.8-25.4-24.5	28.2-26.8-25.8
	COP	kW / kW	5.97	5.97
Temp. range of	Indoor	D.B.	15.0~27.0°C (59~81°F)	15.0~27.0°C (59~81°F)
neating	Circulating water	°C	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)
ndoor unit	Total capacity		50~150% of heat source unit capacity	50~150% of heat source unit capacity
connectable	Model / Quantity		P15~P250/2~50	P15~P250/2~50
Sound pressure le		dB <a>	55	55
Refrigerant piping		mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed
diameter	Low pressure	mm (in.)	34.93 (1-3/8) Brazed	34.93 (1-3/8) Brazed
Set Model			1 (· 1.0) BIGLOG	1 (1 0/0) Blazou

Set Model	,		·		,		
Model			PQRY-P400YLM-A	PQRY-P350YLM-A	PQRY-P400YLM-A	PQRY-P400YLM-A	
Circulating water	Water flow rate	m³/h		+ 7.20	7.20 + 7.20		
		L/min	120 -	+ 120	120 -	+ 120	
		cfm	4.2 -	+ 4.2	4.2	+ 4.2	
	Pressure drop	kPa	44	44	44	44	
	Operating volume range	m^3 / h	4.5 + 4.5 ~	11.6 + 11.6	4.5 + 4.5 ~	11.6 + 11.6	
Compressor	Туре		Inverter scroll her	metic compressor	Inverter scroll her	metic compressor	
	Starting method		Inverter	Inverter	Inverter	Inverter	
	Motor output	kW	10.7	9.5	10.7	10.7	
	Case heater	kW	-	-	-	-	
External finish			Galvanized steel sheets	Galvanized steel sheets	Galvanized steel sheets	Galvanized steel sheets	
External dimension	n HxWxD	mm	1,450 x 880 x 550	1,450 x 880 x 550	1,450 x 880 x 550	1,450 x 880 x 550	
		in.	57-1/8 x 34-11/16 x 21-11/16	57-1/8 x 34-11/16 x 21-11/16	57-1/8 x 34-11/16 x 21-11/16	57-1/8 x 34-11/16 x 21-11/16	
Protection	High pressure pro	tection	High pressure sensor, High press	sure switch at 4.15 MPa (601 psi)	High pressure sensor, High press	sure switch at 4.15 MPa (601 psi)	
devices	Inverter circuit (C	OMP.)	Over-heat protection, 0	Over-current protection	Over-heat protection, Over-current protection		
	Compressor		Over-heat protection	Over-heat protection	Over-heat protection	Over-heat protection	
Refrigerant	Type x original ch	arge	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	
Net weight		kg (lbs)	216 (477)	216 (477)	216 (477)	216 (477)	
Heat exchanger			plate type	plate type	plate type	plate type	
	Water volume in plate	L	5.0	5.0	5.0	5.0	
	Water pressure Max.	MPa	2.0	2.0	2.0	2.0	
Optional parts		Heat Source Twinning kit: CMY-Q200CBK Joint: CMY-Y102SS/LS-G2, CMY-R160-J1 Main BC controller: CMB-P1016V-HA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1		Heat Source Twinning kit: CMY-Q200CBK Joint: CMY-Y102SS/LS-G2, CMY-R160-J1 Main BC controller: CMB-P1016V-HA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1			

٠,	2 Normal Conditions											
		Indoor	Water temperature	Pipe length	Level difference							
	Cooling	27°CD.B./19°CW.B. (81°FD.B./66°FW.B.)	30°C (86°F)	7.5m (24-9/16ft.)	0m (0ft.)							
	Heating	20°CD.B. (68°FD.B.)	20°C (68°F)									

^{*}The ambient temperature of the heat source unit needs to be kept below 40°CD.B.

^{*}Be sure to provide interlocking for the unit operation and water circuit.

*Nominal condition *1,*2 are subject to JIS B8615-2.

*Due to continuing improvement, above specification may be subject to change without notice.



^{*}The ambient relative humidity of the heat source unit needs to be kept below 80%.

*The heat source unit should not be installed at outdoor.

*Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit.

HEAT SOURCE UNIT WR2 (Heat Recovery) Series PQRY-P YSLM-A





Model			PQRY-P850YSLM-A	PQRY-P900YSLM-A
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity	*1	kW	96.0	101.0
(Nominal)		kcal / h	82,600	86,900
	*1	BTU / h	327,600	344,600
	Power input	kW	18.03	19.38
	Current input	Α	30.4-28.9-27.8	32.7-31.0-29.9
	EER	kW / kW	5.32	5.21
Temp. range of	Indoor	W.B.	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)
cooling	Circulating water	°C	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)
Heating capacity	*2	kW	108.0	113.0
(Nominal)		kcal / h	92,900	97,200
	*2	BTU / h	368,500	385,600
	Power input	kW	18.49	19.74
	Current input	Α	31.2-29.6-28.5	33.3-31.6-30.5
	COP	kW / kW	5.84	5.72
Temp. range of	Indoor	D.B.	15.0~27.0°C (59~81°F)	15.0~27.0°C (59~81°F)
neating	Circulating water	°C	10.0~45.0°C (50~113°F)	10.0~45.0°C (50~113°F)
Indoor unit	Total capacity		50~150% of heat source unit capacity	50~150% of heat source unit capacity
connectable	Model / Quantity		P15~P250/2~50	P15~P250/2~50
Sound pressure le (measured in ane		dB <a>	56	57
Refrigerant piping		mana (in)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed
diameter		mm (in.)		
Set Model	Low pressure	mm (in.)	41.28 (1-5/8) Brazed	41.28 (1-5/8) Brazed

Set Model							
Model			PQRY-P450YLM-A	PQRY-P400YLM-A	PQRY-P450YLM-A	PQRY-P450YLM-A	
Circulating water	Water flow rate	m³/h	7.20	+ 7.20	7.20 + 7.20		
		L/min	120	+ 120	120 + 120		
	cfm		4.2	+ 4.2	4.2	+ 4.2	
	Pressure drop	kPa	44	44	44	44	
	Operating volume range	m³/h	4.5 + 4.5 ~	4.5 + 4.5 ~ 11.6 + 11.6		11.6 + 11.6	
Compressor	Туре		Inverter scroll her	metic compressor	Inverter scroll her	metic compressor	
	Starting method		Inverter	Inverter	Inverter	Inverter	
	Motor output	kW	11.6	10.7	11.6	11.6	
	Case heater	kW	-	_	-	-	
External finish			Galvanized steel sheets	Galvanized steel sheets	Galvanized steel sheets	Galvanized steel sheets	
External dimension	n HxWxD	mm	1,450 x 880 x 550	1,450 x 880 x 550	1,450 x 880 x 550	1,450 x 880 x 550	
		in.	57-1/8 x 34-11/16 x 21-11/16	57-1/8 x 34-11/16 x 21-11/16	57-1/8 x 34-11/16 x 21-11/16	57-1/8 x 34-11/16 x 21-11/16	
Protection	High pressure pro	otection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi) High pressure sensor, High pressure switch at 4.15 MPa (601				
devices	Inverter circuit (COMP.)		Over-heat protection,	Over-current protection	Over-heat protection,	Over-current protection	
	Compressor		Over-heat protection	Over-heat protection	Over-heat protection	Over-heat protection	
Refrigerant	Type x original ch	arge	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	
Net weight		kg (lbs)	216 (477)	216 (477)	216 (477)	216 (477)	
Heat exchanger			plate type	plate type	plate type	plate type	
	Water volume in plate	L	5.0	5.0	5.0	5.0	
	Water pressure MPa		2.0	2.0	2.0	2.0	
Optional parts		Heat Source Twinning kit: CMY-Q200CBK Joint: CMY-Y102SS/LS-G2, CMY-R160-J1 Main BC controller: CMB-P1016V-HA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1		Heat Source Twinning kit: CMY-Q200CBK Joint: CMY-Y102SS/LS-G2, CMY-R160-J1 Main BC controller: CMB-P1016V-HA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1			

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		Indoor	Water temperature	Pipe length	Level difference	
	Cooling	27°CD.B./19°CW.B. (81°FD.B./66°FW.B.)	30°C (86°F)	7.5m (24-9/16ft.)	0m (0ft.)	
	Heating	20°CD.B. (68°FD.B.)	20°C (68°F)			

^{*}The ambient temperature of the heat source unit needs to be kept below 40°CD.B.

^{*}The ambient relative humidity of the heat source unit needs to be kept below 80%.

*The heat source unit should not be installed at outdoor.

*Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit.

^{*}Be sure to provide interlocking for the unit operation and water circuit.

*Nominal condition *1,*2 are subject to JIS B8615-2.

*Due to continuing improvement, above specification may be subject to change without notice.





I ndoor Unit

- Ceiling cassette type 4-way airflow
- Ceiling cassette type 2-way airflow
- Ceiling cassette type 1-way airflow
- Ceiling concealed type
- Fresh Air Intake type
- Ceiling suspended type
- Wall mounted type
- Wall mounted type Domestic with external LEV Kit
- Floor standing exposed
- Floor mounted concealed type
- BC Controller
- Air to Water unit
- Lossnay
- Air Handling Unit Controller
- **OA Processing Units**

Wide Selection of Indoor Units

Туре		Model name Model			P15	P20	
.,,,		PLFY-P VEM-A	NEW	P10			
Cailing Cassatta	4-way air flow	PLFY-P VFM-E1				1	
Ceiling Cassette	2-way air flow	PLFY-P VLMD-E Page100 - Page101					1
	1-way air flow	PMFY-P VBM-E Page102 - Page103			 		
		PEFY-P VMS1(L)-E Page104 - Page105					
		PEFY-P VMA(L)-E Page106 - Page107					i i
Ceiling Concealed	i :	PEFY-P VMHS-E Page108 - Page109				: 1 1 1 1 1	
	Fresh Air Intake	PEFY-P VMH-E-F PEFY-P VMHS-E-F Page110 - Page113	NEW (See See See See See See See See See Se		1 1 1 1 1 1 1	1	1
Ceiling Suspende	d	PCFY-P VKM-E Page114 - Page115			 	 	
		PKFY-P VLM-E Page116 - Page117	NEW AMP				
		PKFY-P VKM-E Page116 - Page117					
Wall Mounted		MSZ-LN Black Diamond Series				i i i i	
		MSZ-EF Designer Series			 	 	
		MFZ-KJ	NEW		1 1 1 1 1 1 1	1	
Floor Standing/ Floor Mounted Concealed		PFFY-P VKM-E2 Page118-Page119			1 1 1 1 1 1 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		PFFY-P VLEM-E Page120-Page121					! !
		PFFY-P VLRM-E PFFY-P VLRMM-E Page122 - Page123			I I I I I I		

						AND REAL PROPERTY.						
	P25	P32	P40	P50	P63	P71	P80	P100	P125	P140	P200	P250
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INDOOR UNIT Ceiling cassette type 4-way airflow

PLFY-P VEM-A Fisee Sensor

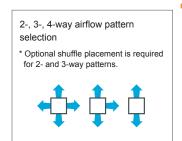


The new 4-way cassette VEM offers high and low-ceiling modes, making it ideal for applications with ceilings up to 4.5 m in height.

Optimum Airflow

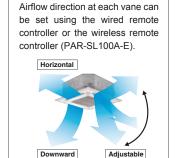
2-, 3-, 4-way Airflow Pattern Selection

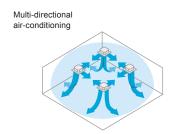
Three outlet options to choose from--bidirectional, three-way, and four-way--to suit different types of installation. Select, for example, four-directional for installation in the center of the room and three-directional for installation in the corner.



Individual Vane Angle Settings

Vane directions can be changed or fixed from the remote controller to direct the supply air at or away from the objects or the occupants in the room.





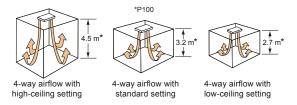
2-. 3-. 4-way **Airflow Pattern Selection**

Individual Vane Angle Settings

The combination of individual vane setting enables the optimal outlet setting for each room layout to ensure even temperature distribution throughout each room. The result is uniformly comfortable air conditioning.

Equipped with High- and Low-ceiling Modes

Units are equipped with high- and low-ceiling operation modes that make it possible to switch the airflow volume to match a room's height. The ability to choose the optimum airflow volume makes it possible to optimize the breezy sensation felt throughout the room.



Airflow Range Model P32-P80 P100/P125 4-way 2.7 m 3.5 m 3.0 m 2.7 m 4.5 m 3.6 m 3.0 m 3-way 2-way 3.5 m 3.3 m 3.0 m 4.5 m 4.0 m 3.3 m

Automatic Air-speed Adjustment

An automatic air-speed mode that adjusts airflow speed automatically is adopted to maintain comfortable room conditions at all times. This setting automatically adjusts the air-speed to conditions that match the room environment.



At the start of the heating / cooling operation, the airflow is set to high-speed to quickly heat / cool the



When the room temperature reaches the desired setting, the airflow speed is decreased automatically for stable and comfortable heating/cooling operation.



► Specifications

				PLFY-P32VEM-A	PLFY-P40VEM-A	PLFY-P50VEM-A			
Power	source				0-240V 50Hz, 1-phase 220				
		*1	kW	3.6	3.6 4.5 5.6				
Cooling capacity *1 BTU			BTU/h	12,300					
		*1	kW	4.0	77.17				
Heating	g capacity	[/] *1	BTU/h	13,600					
Power		Cooling	kW	0.03	0.03	0.03			
consun	nption	Heating	kW	0.03	0.03	0.03			
Curren		Cooling	Α	0.32	0.32	0.32			
Curren	ι	Heating	Α	0.25	0.25	0.25			
Externa	al finish	Unit			Galvanized steel sheet				
(Munse	ell No.)	Panel			MUNSELL (1.0Y 9.2/0.2)				
Dimension		Unit	mm(in.)	258 x 840	0 x 840 (10-3/16 x 33-3/32 x	(33-3/32)			
HxWxD		Panel	mm(in.)	40 x 950 x 950 (1-9/16 x 37-13/32 x 37-13/32)					
Net we	iaht	Unit	kg(lbs.)	19 (42)					
INCL WC	igiit	Panel	kg(lbs.)	5 (11)					
Heat ex	xchanger			Micro slit	fin (Aluminum fin and copp	er tube)			
	Type x	Quantity		Turbo fan x 1					
	Airflow	rate *2	m³/min	13 - 14 - 16 - 17					
Fan		-Mid1-Hi)	L/s	217 - 233 - 267 - 283	217 - 233 - 267 - 300	217 - 233 - 267 - 317			
	`		cfm	459 - 494 - 565 - 600	459 - 494 - 565 - 636	459 - 494 - 565 - 671			
	External sta	tic pressure	Pa		0				
Motor	Туре				DC motor				
IVIOLOI	Output		kW		0.050				
Air filte	r				PP Honeycomb				
Refrige	erant	Gas (Flare)	mm(in.)		ø12.7 (ø1/2)				
pipe diameter		Liquid (Flare)	mm(in.)	ø6.35 (ø1/4)					
Field dr	ain pipe o	liameter	mm(in.)		O.D. 32 (1-1/4)				
Sound pressure level *2 *3 (Lo-Mid2-Mid1-Hi) dB(A)		dB(A)		26 - 27 - 29 - 31					

				PLFY-P63VEM-A	PLFY-P80VEM-A	PLFY-P100VEM-A	PLFY-P125VEM-A					
Power	source				1-phase 220-240V 50Hz,	1-phase 220/230V 60Hz						
0 15		. *1	kW	7.1	9.0	11.2	14.0					
Cooling	capacity	[/] *1	BTU/h	24,200	30,700	38,200	47,800					
11		. *1	kW	8.0	10.0	12.5	16.0					
пеаші	capacity	*1	BTU/h	27,300	34,100	42,700	54,600					
Power		Cooling	kW	0.03	0.05	0.07	0.11					
consun	ption	Heating	kW	0.03	0.05	0.07	0.11					
Current		Cooling	Α	0.36	0.50	0.67	1.06					
Current		Heating	Α	0.29	0.43	0.60	0.99					
Externa	l finish	Unit			Galvanized steel sheet							
(Munse	ll No.)	Panel			MUNSELL (1.0Y 9.2/0.2)							
Dimens		Unit	mm(in.)	258 x 840 x 840 (10-3/	16 x 33-3/32 x 33-3/32)	298 x 840 x 840 (11-3	/4 x 33-3/32 x 33-3/32)					
H x W	(D	Panel	mm(in.)		40 x 950 x 950 (1-9/16	x 37-13/32 x 37-13/32)						
Net we	aht	Unit	kg(lbs.)	21 (46) 24 (53)								
INCL WC	giit	Panel	kg(lbs.)		5 (11)						
Heat ex	changer				Micro slit fin (Aluminu	m fin and copper tube)						
	Type x	Quantity		Turbo fan x 1								
	Airflow	rate *2	m³/min	15 - 16 - 17 - 19	15 - 18 - 20 - 23	20 - 23 - 26 - 29	24 - 26 - 30 - 35					
Fan		-Mid1-Hi)	L/s	250 - 267 - 283 - 317	250 - 300 - 333- 383	333 - 383 - 433 - 483	400 - 433 - 500 - 583					
	`	,	cfm	530 - 565 - 600 - 671	530 - 636 - 706 - 812	706 - 812 - 918 - 1024	847 - 918 - 1060 - 1236					
		atic pressure	Pa		()						
Motor	Туре				DC r							
	Output		kW	0.0			20					
Air filte	•				PP Hon	eycomb						
Refrige	rant	Gas (Flare)	mm(in.)		ø15.88	(ø5/8)						
pipe dia	ameter	Liquid (Flare)	mm(in.)		ø9.52	(ø3/8)						
Field dr	ain pipe o	liameter	mm(in.)		O.D. ø3:	2 (1-1/4)						
	ressure le 2-Mid1-Hi)		dB(A)	28 - 29 - 30 - 32	28 - 31 - 34 - 37	34 - 37 - 39 - 41	35 - 39 - 42 - 45					

- *1 Cooling/Heating capacity indicates the maximum value at operation under the following condition. Cooling: Indoor 27°C(81°F)DB/19°C(66°F)WB,Outdoor 35°C(95°F)DB Heating: Indoor 20°C(68°F)DB,Outdoor 7°C(45°F)DB/6°C(43°F)WB
- $^{\star}2$ Airflow rate/Sound pressure level are in (Lo-Mid-Hi) or (Lo-Mid2-Mid1-Hi).
- *3 It is measured in anechoic room at power source 230V.

INDOOR UNIT Ceiling cassette type 4-way airflow

PLFY-P VFM-E1 3D i-see Sensor





The new 4-way cassette VFM with a beautiful square design introduces Mitsubishi Electric's new technology 3D i-see Sensor.



New Design

The height above ceiling 245mm

The height above ceiling of 245 mm is top class in the industry*, and enables fitting into narrow ceiling space.



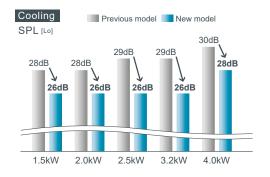
* As of Aug 2015. Among compact 4-way cassettes for syst ceiling. (An incompany investigation.)

Beautiful square panel design

The straight-line form introduced has resulted in a beautiful square design.

Quietness

The sound level has been reduced by 2-3dB thanks to the introduction of a 3D turbo fan, for quieter and more comfortable air conditioning



3D i-see Sensor

Highly accurate people detection A total of eight sensors rotate a full 360° in 3-minute intervals. In addition to detecting human body temperature, our original algorithm also detects people's positions and the number 360 of people. Detects floor 8 sensors

Detects people's position

Some people do not like the drafty-feeling, some want to be warm from head to toe.

People's likes and dislikes vary. With the 3D i-see Sensor, it is possible to choose "Direct Airflow" or "Indirect Airflow" for each vane. When the sensor detects people, it automatically adjusts the angle of the vane, enabling independent airflow pattern for the comfort of each person.



Direct/Indirect setting

The horizontal airflow spreads closely along the ceiling. When set to "Indirect Airflow", it helps to eliminate uncomfortable drafty-feeling dramatically



Seasonal airflow

During heating mode, once the room temperature reaches to the pre-set temperature, the operation switches to circulator operation and blows the air horizontally. This provides smart heating by moving the hot air at ceiling level towards people's height. *PAR-33MAA is required for each setting

*In case of a 2.7m ceiling

The 3D i-see Sensor detects the number of people in the room, and then calculates the occupancy rate based on the maximum number of people up to that time. Smart controling by switching power to energy-saving mode or turning to Auto-off helps to reduce energy consumption.

IT terminal

IT terminal is available. For details, contact your local distributor.

► Specifications

				PLFY-P15VFM-E1	PLFY-P20VFM-E1	PLFY-P25VFM-E1	PLFY-P32VFM-E1	PLFY-P40VFM-E1	PLFY-P50VFM-E1							
Power	source					1-phase 220-240V	50Hz / 220V 60Hz									
0		*1	kW	1.7	2.2	2.8	3.6	4.5	5.6							
Coolini	g capacit	y *1	BTU/h	5,800	7,500	9,600	12,300	15,400	19,100							
Heatin	g capacit	, *1	kW	1.9	2.5	3.2	4.0	5.0	6.3							
Heating	y capacii	^y *1	BTU/h	6,500	8,500	10,900	13,600	17,100	21,500							
Power		Cooling	kW	0.02	0.02	0.02	0.02	0.03	0.04							
consur	nption	Heating	kW	0.02	0.02	0.02	0.02	0.03	0.04							
Curren	nt	Cooling	Α	0.19	0.21	0.22	0.23	0.28	0.40							
Curren	ıı	Heating	Α	0.14	0.16	0.17	0.18	0.23	0.35							
Extern	al finish	Unit				Galvanized	steel sheet									
(Munsell No.) Panel MUNSELL (1.0Y 9.2/0.2)																
Dimension Unit mm(in.) 208 x 570 x 570 (8-1/4 x 22-1/2 x 22-1/2)																
$H \times W$	x D	Panel	mm(in.)			10 x 625 x 625 (3/8	3 x 24-5/8 x 24-5/8)									
Natura	inht	Unit	kg(lbs.)		14 (31)			15 (33)								
Net we	eigni	Panel	kg(lbs.)			3	(7)									
Heat e	xchangei	r			Cross fin (Aluminum fin and copper tube)											
	Type x	Quantity		Turbo fan x 1												
	Airflow	rate	m³/min	6.5-7.5-8.0	6.5-7.5-8.5	6.5-8.0-9.0	7.0-8.0-9.5	7.5-9.0-11.0	9.0-11.0-13.0							
Fan	(Lo-Mid	-Hi)	L/s	108-125-133	108-125-142	108-133-150	117-133-158	125-150-183	150-183-217							
			cfm	230-265-282	230-265-300	230-282-318	247-282-335	265-318-388	318-388-459							
	External sta	tic pressure	Pa			()									
Motor	Туре					DC r	notor									
IVIOLOI	Output		kW			0.	05									
Air filte	er					PP Honeycomb fa	bric (long life type)									
Refrige	erant	Gas (Flare)	mm(in.)			ø12.7	(ø1/2)									
pipe di	ameter	Liquid (Flare)	mm(in.)			ø6.35	(ø1/4)									
Field d	rain pipe	diameter	mm(in.)		(O.D. 32 (1-1/4) (PVC p	ipe VP-25 connectable)								
Sound (Lo-Mi	pressure d-Hi)	level *2	dB(A)	26-28-30	26-29-31	26-30-33	26-30-34	28-33-39	33-39-43							

^{*1} Cooling/Heating capacity indicates the maximum value at operation under the following condition. Cooling: Indoor 27°C(81°F)DB/19°C(66°F)WB,Outdoor 35°C(95°F)DB
Heating: Indoor 20°C(68°F)DB,Outdoor 7°C(45°F)DB/6°C(43°F)WB

^{*2} It is measured in anechoic room at power source 230V.

INDOOR UNIT Ceiling cassette type 2-way airflow

PLFY-P VLMD-E

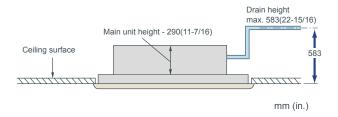


Slim body of 290mm(11-7/16in.) height



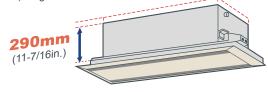
Equipped with drain pump mechanism as standard

The drain can be positioned anywhere up to 583mm(22-15/16in.) from the ceiling's surface, providing greater freedom with long cross-piping and allowing more versatility with piping layouts.



Slim body - only 290mm(11-7/16in.) height

The slimline body is highly suitable for installation in narrow ceiling spaces and for replacing obsolete air-conditioning equipment in older buildings. The main unit is only 290mm(11-7/16in.) height.



Terminal block on outside of main unit makes wiring easier

Compact unit and low noise level attained!

Sound pressure level table (Standard static pressure) at 0Pa

											dB(A)
	Capa	city	P20	P25	P32	P40	P50	P63	P80	P100	P125
Sound pressure		High		33		36	37	39	39	42	46
Level	Fan Speed	Mid		30		33	34	37	36	39	42/44
	-	Low		27		29	31	32	33	36	40

<220V,240V>

											dB(A)
	Capacity		P20	P25	P32	P40	P50	P63	P80	P100	P125
Sound pressure	Fan Speed	High		34			38	40	40	43	46
Level		Mid		31		34	35	38	37	41	42/44
	Ороса	Low		28		30	32	33	34	37	40

<230V>

Fresh air directly taken in

Fresh air can be taken in to the main unit directly (optional accessories needed.)

Long life filter equipped as standard

The antibacterial long life filter does not require maintenance for approximately a year.

Easy installation

Lighter panel and placing the electric board near the panel make installation and maintenance easier. Also, the heat exchanger is washable by displacing the center panel, filter, and fan.

► Specifications

				PLFY-P20VLMD-E	PLFY-P25VLMD-E	PLFY-P32VLMD-E	PLFY-P40VLMD-E					
Power:	source				1-phase 220-240V 50Hz	/ 1-phase 220-230V 60Hz						
Cooling	capacity	, *1	kW	2.2	2.8	3.6	4.5					
Cooming	, capacit	*1	BTU/h	7,500	9,600	12,300	15,400					
Heating	capacit	, *1	kW	2.5	3.2	4.0	5.0					
	y capacit	<u>*1</u>	BTU/h	8,500	10,900	13,600	17,100					
Power		Cooling	kW	0.072 / 0.075	0.072 / 0.075	0.072 / 0.075	0.081 / 0.085					
consun	nption	Heating	kW	0.065 / 0.069	0.065 / 0.069	0.065 / 0.069	0.074 / 0.079					
Current		Cooling	Α	0.36 / 0.37								
	Heating A			0.30 / 0.32	0.30 / 0.32							
		Unit			Galvanized steel plate							
(Munse		Panel			Pure white (
Dimensio		Unit	mm (in.)		290 x 776 x 634 (11-7/16 x 30-9/16 x 25)							
Panel mm (in.)			mm (in.)									
Net wei	iaht	Unit	kg(lbs.)	23 (51)	24	(53)					
1101 1101	igin.	Panel	kg(lbs.)		6.5 (15)							
Heat ex	changer			Cross fin								
	Type x	Quantity		Turbo fan x 1								
	Airflow	rate *2	m³/min		6.5-8.0-9.5		7.0-8.5-10.5					
Fan	(Lo-Mic		L/s		108-133-158		117-142-175					
	<u> </u>		cfm		230-283-335		247-300-371					
		atic pressure	Pa		(
Motor	Туре				1-phase ind							
	Output		kW		0.015 (a							
Air filte					PP honeycomb fal	bric (long life type)						
Refrige		Gas(Flare)	mm(in.)		ø12.7	1 /						
pipe diameter Liquid(Flare) mm(in.)						(ø1/4)						
Field drain pipe diameter mm(in.)				O.D.32 (1-1/4)								
Sound pressure level 220V,240V dB(A)				27-30-33 29-33-36								
(Lo-Mid-H	li) *2 *3	230V	dB(A)		28-31-34		30-34-37					

				PLFY-P50VLMD-E	PLFY-P63VLMD-E	PLFY-P80VLMD-E	PLFY-P100VLMD-E	PLFY-P125VLMD-E			
Power	source			1 LI I I OOVLIND L		50Hz / 1-phase 220-230V		TELLI IZOVENIO E			
		*1	kW	5.6	7.1	9.0	11.2	14.0			
Cooling	g capacit	y *1	BTU/h	19,100	24,200	30,700	38,200	47.800			
		*1	kW	6.3	8.0	10.0	12.5	16.0			
Heating	g capacit	y *1	BTU/h	21,500	27,300	34,100	42,700	54,600			
Power		Cooling	kW	0.082 / 0.086	0.101 / 0.105	0.147 / 0.156	0.157 / 0.186	0.28 / 0.28			
consun	nption	Heating	kW	0.075 / 0.080	0.094 / 0.099	0.140 / 0.150	0.150 / 0.180	0.27 / 0.27			
0	4	Cooling	Α	0.41 / 0.43	0.49 / 0.51	0.72 / 0.74	0.75 / 0.88	1.35 / 1.35			
Curren	τ	Heating	Α	0.35 / 0.38	0.43 / 0.46	0.66 / 0.69	0.69 / 0.83	1.33 / 1.33			
Externa	al finish	Unit				Galvanized steel plate					
(Munse	ell No.)	Panel				Pure white (6.4Y 8.9 / 0.4)					
Dimens	sion	Unit	mm (in.)	290 x 946 x 634 (11	-7/16 x 37-1/4 x 25)	290 x 1446 x 634 (11-	-7/16 x 56-15/16 x 25)	290 x 1708 x 606 (11-7/16 x 67-1/4 x 23-7/8)			
HxW	x D	Panel	mm (in.)	20 x 1250 x 710 (1	3/16 x 49-1/4 x 28)	20 x 1750 x 710 (13	/16 x 68-15/16 x 28)	20 x 2010 x 710 (13/16 x 79-3/16 x 28)			
Net weight Unit kg(lbs			kg(lbs.)	27 (60)	28 (62)	44 (98)	47 (104)	56 (124)			
Net we	eignt	Panel	kg(lbs.)	7.5	(17)	12.5	13.0 (29)				
Heat ex	xchangei	r			Cross fin						
	Type x	Quantity		Turbo	fan x 1	Turbo	fan x 2	Sirocco fan x 4			
	Airflow	w rate *2 m³/min		9.0-11.0-12.5	11.0-13.0-15.5	15.5-18.5-22.0	17.5-21.0-25.0	24.0-27.0-30.0-33.0			
Fan	(P50~P100	D:Lo-Mid-Hi) L/s		150-183-208	167-217-258 258-308-367 292-350-4		292-350-417	400-450-500-550			
	(P125:Lo-N	(Iid2-Mid1-Hi	cfm	318-388-441	353-459-547	547-653-777	618-742-883	848-953-1,059-1,165			
	External sta	atic pressure	Pa			0					
Motor	Туре					1-phase induction motor					
IVIOLOI	Output		kW	0.020 (a	at 240V)	0.020 (at 240V)	0.030 (at 240V)	0.078 x 2 (at 240V)			
Air filte	r				DD.			Synthetic fiber unwoven			
All lille					PP 1	noneycomb fabric (long life t	ype)	cloth filter (long life)			
Refrige	erant	Gas (Flare)	mm(in.)	ø12.7 (ø1/2)		ø15.88	s (ø5/8)				
pipe dia	ameter	Liquid (Flare)	mm(in.)	ø6.35 (ø1/4)	ø9.52 (ø3/8)						
Field drain pipe diameter mm(in.)					O.D.32 (1-1/4)						
Sound pre	essure level	220V,240V	dB(A)	31-34-37	32-37-39 33-36-39 36-39-42 40-						
(Lo-Mid-H	Hi) *2 *3	230V	dB(A)	32-35-38	33-38-40	34-37-40	37-41-43	(Lo-Mid2-Mid1-Hi)			

- *1 Cooling/Heating capacity indicates the maximum value at operation under the following condition. Cooling: Indoor 27°C(81°F)DB/19°C(66°F)WB,Outdoor 35°C(95°F)DB Heating: Indoor 20°C(68°F)DB,Outdoor 7°C(45°F)DB/6°C(43°F)WB
- $^{\star}2$ Airflow rate/Sound pressure level are in (low-middle-high) or (low-middle2-middle1-high).
- *3 It is measured in anechoic room.

INDOOR UNIT Ceiling cassette type 1-way airflow

PMFY-P VBM-E



Compact and lightweight body perfect for limited ceiling space applications.



Compact size for smooth installation and maintenance

Unit body size has been standardised for all models at 812mm for easier installation. Body weight is only 14kg for the main unit and 3kg for the panel, making this unit one of the lightest in the industry.

Quiet operation

Newly developed airflow control technology reduces noise level to only 27dB (P20VBM) for industry-leading quiet performance.

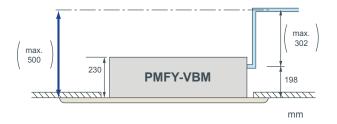
Sound pressure level table

Souriu pre	essure	Suite level table								
	Capa	city	P20	P25	P32	P40				
Sound		High 35 37				39				
pressure	Fan	Mid 1	33	3	6	37				
level	Speed	Mid 2	30	3	4	35				
		Low	27	3	2	33				

<220V,240V>

Drain pump

The drain can be positioned anywhere up to 500mm from the ceiling's surface.



► Specifications

				PMFY-P20VBM-E	PMFY-P25VBM-E	PMFY-P32VBM-E	PMFY-P40VBM-E							
Power	source				1-phase 220-240V 50H	lz / 1-phase 220V 60Hz								
Caalina	capacity	. *1	kW	2.2	2.8	3.6	4.5							
Cooming	Capacity	*1	BTU/h	7,500	9,600	12,300	15,400							
Hooting	capacity	, *1	kW	2.5	3.2	4.0	5.0							
пеаші	y capacity	*1	BTU/h	8,500	10,900	13,600	17,100							
Power		Cooling	kW	0.042	0.0	044	0.054							
consum	nption	Heating	kW	0.042	0.0	044	0.054							
Current		Cooling	Α	0.20	0.	21	0.26							
Current		Heating	Α	0.20	0.	21	0.26							
Externa	al finish (I	Munsell N	No.)		White (0.98Y 8.99/0.63)									
Dimens	Dimension Unit mm(in.)				230 x 812 x 395 (9-	1/16 x 32 x 15-9/16)								
HxW>	k D	Panel	mm(in.)		30 x 1000 x 470 (1-3/	16 x 39-3/8 x 18-9/16)								
Net wei	iaht	Unit	kg(lbs.)		14 (31)									
INCL WE	igrit	Panel	kg(lbs.)		3	(7)								
Heat ex	changer			Cross fin (Aluminum plate fin and copper tube)										
	Type				Line flow fan x 1									
	Airflow i	rate *2	m³/min	6.5-7.2-8.0-8.7	7.3-8.0	7.7-8.7-9.7-10.7								
Fan	(Lo-Mid2-		L/s	108-120-133-145	122-133	-143-155	128-145-162-178							
	(LO-WIGZ	-iviid 1-i ii)	cfm	230-254-283-307	258-283	-304-328	272-307-343-378							
	External sta	aticpressure	Pa		1	0								
Motor	Туре				1-phase ind	uction motor								
	Output		kW		0.0)28								
Air filter	r				PP Honey	comb fabric								
Refrige		Gas(Flare)	mm(in.)		ø12.7	(ø1/2)								
	pipe diameter Liquid(Flare) mm(in.		mm(in.)		ø6.35	(ø1/4)								
	ield drain pipe diameter mm		mm(in.)		O.D.	26 (1)								
	pressure 2-Mid1-Hi		dB(A)	27-30-33-35	32-34	-36-37	33-35-37-39							

- *1 Cooling/Heating capacity indicates the maximum value at operation under the following condition. Cooling: Indoor 27°C(81°F)DB/19°C(66°F)WB,Outdoor 35°C(95°F)DB Heating: Indoor 20°C(68°F)DB,Outdoor 7°C(45°F)DB/6°C(43°F)WB
- *2 Airflow rate/Sound pressure level are in (low-middle2-middle1-high).
- *3 It is measured in anechoic room.

INDOOR UNIT Low Static Ducted Units

PEFY-P VMS1(L)-E



Static Pressure **5~50**Pa

Height **200mm** 7-28/32in.

Low Noise

Width **790mm**

Width 990mm

Width **1,190mm**

The ultra thin unit of 200mm offers increased flexibility, and is particularly suitable for places where low noise operation is desired.



Changeable static pressure

The unit is made suitable for a variety of applications with its four static pressure settings of 5, 15, 35, 50Pa.

Changeable airflow rate

Low, middle, and high fan speed settings deliver precise comfort.

Optional drain pump

Drain pump is an optional part for the VMS1L, and a standard for VMS1.

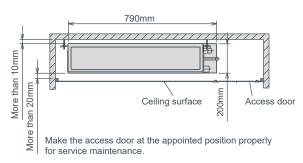
*For places where low noise operation is especially required (i.e. Hotels), VMS1L (without drain pump) is recommended.

PP Honeycomb fabric

Washable PP Honeycomb fabric filter as standard.

Ultra low height unit with 200mm (7-28/32in.) high Ultra-narrow width of 790mm (P15-P32 models) [990mm for P40,50 models / 1190mm for P63 models]

Can be installed easily in tight spaces, such as ceiling cavities or drop-ceilings.



Reduced noise thanks to the use of newly designed centrifugal fan and coil

Sound pressure level table (Standard static pressure) at 15Pa

									dB(A)
	Capa	city	P15	P20	P25	P32	P40	P50	P63
Sound pressure		High	28	29	30	32	33	35	36
Level	Fan Speed	Mid	24	25	26	27	30	32	33
		Low	22	23	24	24	28	30	30

► Specifications

				PEFY-P15VMS1(L)-E	PEFY-P20VMS1(L)-E	PEFY-P25VMS1(L)-E	PEFY-P32VMS1(L)-E	PEFY-P40VMS1(L)-E	PEFY-P50VMS1(L)-E	PEFY-P63VMS1(L)-E			
Power	sourc	е			()		0V 50Hz / 1-phase		, , , ,	,			
0		*1	kW	1.7	2.2	2.8	3.6	4.5	5.6	7.1			
Coolin	g capa	*1	BTU/h	5,800	7,500	9,600	12,300	15,400	19,100	24,200			
Heating	a oono	.itv *1	kW	1.9	2.5	3.2	4.0	5.0	6.3	8.0			
пеаш	у Сара	*1	BTU/h	6,500	8,500	10,900	13,600	17,100	21,500	27,300			
Power	*3	Cooling	kW	0.05 [0.03]	0.05 [0.03]	0.06 [0.04]	0.07 [0.05]	0.07 [0.05]	0.09 [0.07]	0.09 [0.07]			
consur	nption	Heating	kW	0.03 [0.03]	0.03 [0.03]	0.04 [0.04]	0.05 [0.05]	0.05 [0.05]	0.07 [0.07]	0.07 [0.07]			
Currer	nt *3	Cooling	Α	0.42 [0.31]	0.47 [0.36]	0.50 [0.39]	0.50 [0.39]	0.56 [0.45]	0.67 [0.56]	0.72 [0.61]			
Currer	IL 3	Heating	Α	0.31 [0.31]	0.36 [0.36]	0.39 [0.39]	0.39 [0.39]	0.45 [0.45]	0.56 [0.56]	0.61 [0.61]			
Extern	al finis	h			Galvanized								
Dimen	sion		mm		200 x 79	90 x 700		200 x 9	90 x 700	200 x 1,190 x 700			
HxW	x D		ln.		x 27-9/16	7-7/8 x 46-7/8 x 27-9/16							
Net w	eight	*3	kg(lbs.)		19(42) [18(40)]		20(45) [19(42)]	24(53)	[23(51)]	28(62) [27(60)]			
Heat e	xchang	jer			Cross fin (Aluminium fin and copper tube)								
	Type >	Quantity			Sirocco	fan x 2		Sirocco	fan x 3	Sirocco fan x 4			
	Airflo	v roto	m³/min	5-6-7	5.5-6.5-8	5.5-7-9	6-8-10	8-9.5-11	9.5-11-13	12-14-16.5			
Fan	(Lo-M		L/s	83-100-117	91-108-133	91-117-150	100-133-167	133-158-183	158-183-217	200-233-275			
	(LO-IV	iiu-mi)	cfm	176-212-247	194-229-282	194-247-317	212-282-353	282-335-388	335-388-459	424-494-583			
	Externa	I static press	Pa				5-15-35-50						
Motor	type						DC motor						
WIOLOI	outpu	t	kW				0.096						
Air filte	r					PP Ho	neycomb fabric (was	shable)					
Refrigerant	Gas		mm(in.)			Q	12.7 (ø1/2) Braze	d		ø15.88 (ø5/8) Brazed			
pipe diameter	pipe diameter Liquid mm(in.)				Q	6.35 (ø1/4) Braze	d		ø9.52 (ø3/8) Brazed				
Field dr	ain pipe	e diameter	mm(in.)				O.D. 32 (1-1/4)						
Sound pressure level (Lo-Mid-Hi) (mesured in anechoic room)			dB <a>	22-24-28	23-25-29	24-26-30	24-27-32	28-30-33	30-32-35	30-33-36			

^{*1} Cooling/Heating capacity indicates the maximum value at operation under the following condition.

Cooling: Indoor: 27°CD.B./19°CW.B. (81°FD.B. / 66°FW.B.) Outdoor: 35°CD.B. (95°FD.B.)

Heating: Indoor: 20°CD.B. (68°FD.B.) Outdoor: 7°CD.B. / 6°CW.B. (45°FD.B. / 43°FW.B.)

Pipe length: 7.5m (24-9/16ft) Height difference: 0m (0ft)

^{*2} The external static pressure is set to 15 Pa at factory shipment.

^{*3 []} is in case of PEFY-P15-63VMS1L-E

INDOOR UNIT Mid Static Ducted Units

PEFY-P VMA(L)-E







Compact Indoor Units

For all models, unit heights are unified to 250mm. Compared to the previous model, the height size is reduced, allowing installation in tight spaces, such as ceiling cavities or drop-ceilings.





PEFY-P	PEFY-P VMA(L)			20 25 32 40 50 63 71 80 100 125 14								
Height						250						
Width	Width mm		700 900 1,100 1,400								1,600	
Depth						732						

External static pressure

Five-stage external static pressure settings provide flexibility for duct extension, branching and air outlet configuration and are adjustable to meet different application conditions. Setting ranges to a maximum of 150Pa.

External static pressure setting

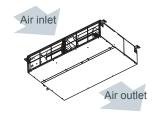
- stroities otestio pi				,							
Series	20	25	32	40	50	63	71	80	100	125	140
PFFY-P VMA(I)				35	/50/7	0/100)/150	Pa			

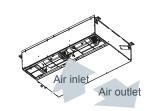


Air Inlet

(1) Rear inlet







Drain Pump Option

The line-up consists of two types, models with or without a built-in drain pump allowing more freedom in piping layout design.



PEFY-P VMA-E Drain pump built-in



PEFY-P VMAL-E No Drain pump

* Units with a "L" at the end of the model name are not equipped with a drain pump.

Analogue input

Analogue input allows units to control the fan speed setting in conjunction with damper conditions.

IT terminal

IT terminals are available. For details, contact your local distributor.



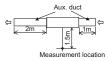
► Specifications

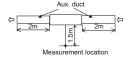
				PEFY-P20VMA(L)-E	PEFY-P25VMA(L)-E	PEFY-P32VMA(L)-E	PEFY-P40VMA(L)-E	PEFY-P50VMA(L)-E			
Power source				1-phase 220-230-240V 50 / 60Hz							
Cooling capacity *1 kW			kW	2.2	2.8	3.6	4.5	5.6			
(Nominal) *1 BTU/h		7,500	9,600	12,300	15,400	19,100					
Heating capacity *2 kW		kW	2.5	3.2	4.0	5.0	6.3				
,		*2	BTU/h	8,500	10,900	13,600	17,100	21,500			
Power		Cooling *3		0.06 [0.04]	0.06 [0.04]	0.07 [0.05]	0.09 [0.07]	0.11 [0.09]			
consum	nption	Heating *3	kW	0.04	0.04	0.05	0.07	0.09			
Curren		Cooling *3 A		0.53 [0.42]	0.53 [0.42]	0.55 [0.44]	0.64 [0.53]	0.74 [0.63]			
Curren	" [Heating *3	Α	0.42	0.42 0.42 0.		0.53	0.63			
Extern	al finis	sh				Galvanized steel plate					
Dimon	oion L	H x W x D	mm	250 x 700 x 732	250 x 700 x 732	250 x 700 x 732	250 x 900 x 732	250 x 900 x 732			
Net wei	SION F	ן טאעאר	in.	9-7/8 x 27-9/16 x 28-7/8	9-7/8 x 27-9/16 x 28-7/8	9-7/8 x 27-9/16 x 28-7/8	9-7/8 x 35-7/16 x 28-7/8	9-7/8 x 35-7/16 x 28-7/8			
Net weight kg(lbs)			kg(lbs)	23 (51) [22 (49)]	23 (51) [22 (49)]	23 (51) [22 (49)]	26 (58) [25 (56)]	26 (58) [25 (56)]			
Heat exchanger				Cross fin (Aluminum fin and copper tube)							
	Type x Quantity			Sirocco fan x 1							
	Airflow rate (Low-Mid-High)		m³/min	6.0 - 7.5 - 8.5	6.0 - 7.5 - 8.5	7.5 - 9.0 - 10.5	10.0 - 12.0 - 14.0	12.0 - 14.5 - 17.0			
Fan			L/s	100 - 125 - 142	100 - 125 - 142	125 - 150 - 175	167 - 200 - 233	200 - 242 - 283			
ran			cfm	212 - 265 - 300	212 - 265 - 300	265 - 318 - 371	353 - 424 - 494	424 - 512 - 600			
	External static pressure *4		Pa	<35> - 50 - <70> - <100> - <150>	<35> - 50 - <70> - <100> - <150> <35> - 50 - <70> - <100> - <150>		<35> - 50 - <70> - <100> - <150>	<35> - 50 - <70> - <100> - <150>			
Motor	Туре			DC motor							
IVIOLOI	Output		kW	0.085	0.085	0.085	0.085	0.085			
Air filter				PP honeycomb fabric.							
		Liquid (R410A)	mm(in.)	6.35 (1/4) Brazed	6.35 (1/4) Brazed	6.35 (1/4) Brazed	6.35 (1/4) Brazed	6.35 (1/4) Brazed			
Refriger	rant	(R22,R407C)	11111(111.)	6.35 (1/4) Brazed	6.35 (1/4) Brazed	6.35 (1/4) Brazed	6.35 (1/4) Brazed	9.52 (3/8) Brazed			
pipe dia	meter	Gas (R410A)	mm(in.)	12.7 (1/2) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed			
		(R22,R407C)	11111(111.)	12.7 (1/2) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	15.88 (5/8) Brazed			
Field drain pipe diamet		pe diameter	mm(in.)	O.D.32 (1-1/4)	O.D.32(1-1/4)	O.D.32(1-1/4)	O.D.32 (1-1/4)	O.D.32 (1-1/4)			
	•	٠	easured in	anechoic room)	·		·	·			
(Low-N	∕lid-Hiç	gh) *3 *5[dB(A)	26-28-29	26-28-29	28-30-34	28-30-34	28-32-35			
*3 *6 dB(A)		23-25-26 23-25-26		23-26-29	23-27-30	25-29-32					

				PEFY-P63VMA(L)-E	PEFY-P71VMA(L)-E	PEFY-P80VMA(L)-E	PEFY-P100VMA(L)-E	PEFY-P125VMA(L)-E	PEFY-P140VMA(L)-E		
Power source				1-phase 220-230-240V 50 / 60Hz							
Cooling capacity *1 kW		7.1	8.0	9.0	11.2	14.0	16.0				
(Nominal) *1 BTU/h		BTU/h	24,200	27,300	30,700	38,200	47,800	54,600			
Heating capacity *2		kW	8.0	9.0	10.0	12.5	16.0	18.0			
(Nominal)		*2	BTU/h	27,300	30,700	34,100	42,700	54,600	61,400		
Power	Cooling *3		kW	0.12 [0.10]	0.14 [0.12]	0.14 [0.12]	0.24 [0.22]	0.34 [0.32]	0.36 [0.34]		
consum	ption	Heating *3	kW	0.10	0.12	0.12	0.22	0.32	0.34		
Curren	. [Cooling *3	Α	1.01 [0.90]	1.15 [1.04]	1.15 [1.04]	1.47 [1.36]	2.05 [1.94]	2.21 [2.10]		
Curren	'	Heating *3	Α	0.90	1.04	1.04	1.36	1.94	2.10		
External finish				Galvanized steel plate							
Dimone	sion L	IxWxD	mm	250 x 1,100 x 732	250 x 1,100 x 732	250 x 1,100 x 732	250 x 1,400 x 732	250 x 1,400 x 732	250 x 1,600 x 732		
Dilliens	SIUII I	1 X VV X D	in.	9-7/8 x 43-5/16 x 28-7/8	9-7/8 x 43-5/16 x 28-7/8	9-7/8 x 43-5/16 x 28-7/8	9-7/8 x 55-1/8 x 28-7/8	9-7/8 x 55-1/8 x 28-7/8	9-7/8 x 63 x 28-7/8		
Net weight kg(lbs)		32 (71) [31(69)]	32 (71) [31 (69)]	32 (71) [31 (69)]	42 (93) [41 (91)]	42 (93) [41 (91)]	46 (102) [45 (10)]				
Heat exchanger				Cross fin (Aluminum fin and copper tube)							
	Type x Quantity		Sirocco fan x 2								
	Airflow rate (Low-Mid-High)		m³/min	13.5 - 16.0 - 19.0	14.5 - 18.0 - 21.0	14.5 - 18.0 - 21.0	23.0 - 28.0 - 33.0	28.0 - 34.0 - 40.0	29.5 - 35.5 - 42.0		
Fan			L/s	225 - 267 - 317	242 - 300 - 350	242 - 300 - 350	383 - 467 - 550	467 - 567 - 667	492 - 592 - 700		
l all			cfm	477 - 565 - 671	512 - 636 - 742	512 - 636 - 742	812 - 989 - 1,165	989 - 1,201 - 1,412	1,042 - 1,254 - 1,483		
	External static pressure *4		Pa	<35> - 50 - <70> - <100> - <150>	<35> - 50 - <70> - <100> - <150>	<35> - 50 - <70> - <100> - <150>	<35> - 50 - <70> - <100> - <150>	<35> - 50 - <70> - <100> - <150>	<35> - 50 - <70> - <100> - <150>		
Motor	Туре			DC motor							
IVIOLOI	Output kW		kW	0.121	0.121	0.121	0.244	0.244	0.244		
Air filter				PP honeycomb fabric.							
		Liquid (R410A)	'l mm(ın)	9.52 (3/8) Brazed	9.52 (3/8) Brazed	9.52 (3/8) Brazed	9.52 (3/8) Brazed	9.52 (3/8) Brazed	9.52 (3/8) Brazed		
Refriger	ant	(R22,R407C)		9.52 (3/8) Brazed	9.52 (3/8) Brazed	9.52 (3/8) Brazed	9.52 (3/8) Brazed	9.52 (3/8) Brazed	9.52 (3/8) Brazed		
pipe dia	meter	Gas (R410A)	mm(in.)	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed		
		(R22,R407C)	111111(111.)	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	19.05 (3/4) Brazed	19.05 (3/4) Brazed	19.05 (3/4) Brazed		
Field drain p		drain pipe diameter		O.D.32 (1-1/4)	O.D.32 (1-1/4)	O.D.32 (1-1/4)	O.D.32 (1-1/4)	O.D.32 (1-1/4)	O.D.32 (1-1/4)		
Sound	pressure level (measured in			anechoic room)							
(Low-N	/lid-High) *3 *5		dB(A)	29-32-36	30-34-38	30-34-38	32-37-41	35-40-44	36-41-45		
*3 *6 dB(dB(A)	25-29-33	26-29-34	26-29-34	28-33-37	32-36-40	33-37-42			

- [] is in case of PEFY-P VMAL-E
- [] is in case of PEFY-P VMAL-E Nominal cooling conditions indoor: 27°CDB/19°CWB(81°FDB/66°FWB), Outdoor: 35°CDB(95°FDB) Pipe length: 7.5m(24-9/16ft), Level difference: 0m(0ft.) Nominal heating conditions Indoor: 20°CDB(68°FDB), Outdoor: 7°CDB/6°CWB(45°FDB/43°FWB) Pipe length: 7.5m(24-9/16ft), Level difference: 0m(0ft.) The values are measured at the rated external static pressure. The rated external static pressure is shown without < >.The factory setting is the rated value.

- *5 Measured in anechoic room with a 1m air inlet duct and 2m air outlet duct attached to the unit and 1.5m below the unit.
- *6 Measured in anechoic room with a 2m air inlet duct and 2m air outlet duct attached to the unit and 1.5m below the unit.





INDOOR UNIT Ceiling concealed type

PEFY-P VMHS-E



High Static Pressure

Four levels of external static pressure and three fan speeds to offer various usage scenes

NEW

Four levels of external static pressure settings

Although the conventional models only had three levels of external static pressure, the new models offer four levels of external static pressure. The additional external static pressure capacity provides flexibility for duct extension, branching and air outlet configuration.

PEFY-P VMHS-E	P40	P50	P63	P71	P80	P100	P125	P140	
External static pressure (Pa)		50-<100>-<150>-<200>							

The factory setting of external static pressure is shown without < >.

Refer to "Fan characteristics curves", according to the external static pressure, in DATA BOOK for the usable range of air flow rate.



Three fan speeds (Low/Mid/High) to choose from

The conventional models had two levels of fan speed, the new models offer three levels of fan speed (Low/Mid/High). Combined with a wider selection of external static pressure levels, the new models offer optimal operation settings to suit the air-conditioning load of an Installation space.



The use of DC motor

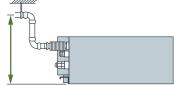
The new models are equipped with high-efficiency DC motors as compared to the AC motors on older models, which reduced power consumption. On the P80 models, power consumption is reduced by 59%*.

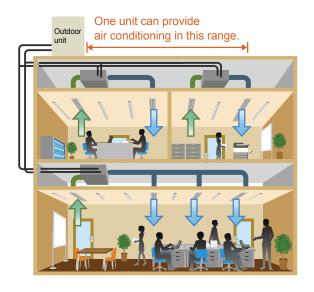
*Comparison made at 50 Hz, 220 V, 100 Pa Low fan speed

Optional drain pump

Use of high-efficiency DC motor for the drain pump motor on the new models reduces power consumption by 90%, in comparison to that on the conventional models. The pump head height of 550 mm provides for greater piping design flexibility.



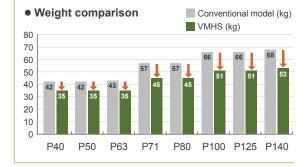




NEW

Reduction weight

Downsizing of the motor helped reduce unit weight, offering easier installation.



IT terminal

IT terminal is available. For details, contact your local distributor.

				PEFYP40VMHS-E	PEFYP50VMHS-E	PEFYP63VMHS-E	PEFYP71VMHS-E	PEFYP80VMHS-E	PEFYP100VMHS-E	PEFYP125VMHS-E	PEFYP140VMHS-E		
Power	source						220-230-240 V 5	50/60 Hz					
		*1	kW	4.5	5.6	7.1	8.0	9.0	11.2	14.0	16.0		
Cooling	g capacit	y *1	BTU/h	15,400	19,100	24,200	27,300	30,700	38,200	47,800	54,600		
		*3	kW	5.0	6.3	8.0	9.0	10.0	12.5	16.0	18.0		
Heating	g capacit	y *3	BTU/h	17,100	21,500	27,300	30,700	34,100	42,700	54,600	61,400		
Power	*2	Cooling	kW	0.055	0.055	0.090	0.075	0.090	0.160	0.160	0.190		
consun	nption	Heating	kW	0.055	0.055	0.090	0.075	0.090	0.160	0.160	0.190		
Curren	. *2	Cooling	Α	0.41	0.41	0.64	0.54	0.63	1.05	1.05	1.24		
Curren	ı	Heating	Α	0.41	0.41	0.64	0.54	0.63	1.05	1.05	1.24		
Externa	al finish					G	alvanized steel pl	ate		380 x 1,195 x 900 380 x 1,195 x 900			
Dimen	sion H x	W v D	mm	380 x 745 x 900	380 x 745 x 900	380 x 745 x 900	380 x 745 x 900	380 x 745 x 900	380 x 1,195 x 900	380 x 1,195 x 900	380 x 1,195 x 900		
Dimens	ыоп пх	WXD	in.	15 x 29-3/8 x 35-7/16	15 x 29-3/8 x 35-7/16	15 x 29-3/8 x 35-7/16	15 x 29-3/8 x 35-7/16	15 x 29-3/8 x 35-7/16	15 x 47-1/16 x 35-7/16	15 x 47-1/16 x 35-7/16	15 x 47-1/16 x 35-7/16		
Net we	ight		kg(lbs.)	35 (78)	35 (78)	35 (78)	45 (100)	45 (100)	51 (113)	51 (113)	53 (113)		
Heat ex	kchangei				Cross fin (Aluminum plate fin and copper tube)								
	Туре х	Quantity			Sirocco fan x 1				Sirocco fan x 2				
	Airflow	rato	m³/min	10.0 - 12.0 - 14.0	10.0 - 12.0 - 14.0	13.5 - 16.0 - 19.0	15.5 - 18.0 - 22.0	18.0 - 21.5 - 25.0	26.5 - 32.0 - 38.0	26.5 - 32.0 - 38.0	28.0 - 34.0 - 40.0		
Fan	(Lo-Mid		L/s	167 - 200 - 233	167 - 200 - 233	225 - 267 - 317	258 - 300 - 367	300 - 358 - 417	442 - 533 - 633	442 - 533 - 633	467 - 567 - 667		
ган	(LO-IVIIC	-1 11)	cfm	353 - 424 - 494	353 - 424 - 494	477 - 565 - 671	547 - 636 - 777	636 - 759 - 883	936 - 1,130 - 1,342	936 - 1,130 - 1,342	989 - 1,201 - 1,412		
*4	External static	pressure	Pa			50 -	<100> - <150> - <	<200>					
			mmH ₂ O			<5.1>-<	10.2>-15.3-<20.4	>-<25.5>					
Motor	Туре						DC Motor						
	Output		kW	0.121	0.121	0.121	0.244	0.244	0.375	0.375	0.375		
Air filte	r (option)				Synthetic fiber	unwoven cloth filt	er (long life filter a	and filter box are r	ecommended.)				
Refrige	rant	Gas	mm(in.)	ø12.7 (ø1/2)	ø12.7 (ø1/2)	ø15.88 (ø5/8)	ø15.88 (ø5/8)	ø15.88 (ø5/8)	ø15.88 (ø5/8)	ø15.88 (ø5/8)	ø15.88 (ø5/8)		
pipe dia		Liquid	mm(in.)	ø6.35 (ø1/4)	ø6.35 (ø1/4)	ø9.52 (ø3/8)	ø9.52 (ø3/8)	ø9.52 (ø3/8)	ø9.52 (ø3/8)	ø9.52 (ø3/8)	ø9.52 (ø3/8)		
	ain pipe	diameter	mm(in.)				O.D. 32 (1-1/4)						
	oressure		dB(A)	20-23-27	20-23-27	24-27-32	24-26-30	25-27-30	27-31-34	27-31-34	27-32-36		
level (Le	o-Hi) *2												

				PEFY-P200VMHS-E	PEFY-P250VMHS-E		
Power	source			1-phase 220-240V 50Hz /	**		
		*1	kW	22.4	28.0		
Cooling	capacit	y *1	BTU/h	76,400	95,500		
		*3	kW	25.0	31.5		
Heating	g capacit	y *3	BTU/h	85,300	107,500		
Power	*2	Cooling	kW	0.63	0.82		
consum	nption	Heating	kW	0.63	0.82		
		380-415V	Α	_	_		
	Cooling	220-230-240V	А	3.47-3.32-3.18	4.72-4.43-4.14		
Current		380-415V	Α	_	_		
*2	Heating	220-230-240V	Α	3.47-3.32-3.18	4.72-4.43-4.14		
External finish				Galvanized	=		
mm				470 x 1,25	•		
Dimension H x W x D			in.	18-1/2 x 49-	1/4 x 44-1/8		
Net weight			kg(lbs.)	97 (214)	100 (221)		
Heat exchanger			<u> </u>	Cross fin (Aluminum pla	ate fin and copper tube)		
-	Type x Quantity			Sirocco	fan x 2		
			m³/min	_	_		
	Airflow	rate	L/s	_	_		
			cfm	_	_		
			m³/min	50.0-61.0-72.0	58.0-71.0-84.0		
Fan		Lo-Mid-Hi	L/s	833-1017-1200	967-1183-1400		
			cfm	1766-2154-2542	2048-2507-2966		
		380V	Pa	_	-		
*4	External static	400,415V	Pa	-	-		
	pressure		Pa	<50>-<100>-15	0-<200>-<250>		
			mmH ₂ O	<5.1>-<10.2>-15.	3-<20.4>-<25.5>		
	Туре			DC n	notor		
Motor	Output		kW	0.87	0.87		
Air filte	(option)			Synthethic fiber unwoven cloth filter (long	ife filter and filter box are recommended.)		
Refrige	rant	Gas (Brazed)	mm(in.)	ø19.05 (ø3/4)	ø22.2 (ø7/8)		
pipe dia	ameter	Liquid (Brazed)	mm(in.)	ø9.52	(ø3/8)		
Field dr	ain pipe	diameter	mm(in.)	O.D. 32	(1-1/4)		
0		380V	dB(A)	_	_		
	pressure	400,415V	dB(A)	_	-		
level	*2	Lo-Mid-Hi	dB(A)	36-39-43	39-42-46		
			,				

^{*1} Nominal cooling conditions Indoor: 27°CD.B./19°CW.B. (81°FD.B./66°FW.B.), Outdoor: 35°CD.B. (95°FD.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

 $[\]ensuremath{^{*}2}$ The values are measured at the factory setting of external static pressure.

^{*3} Nominal heating conditions Indoor: 20°CD.B. (68°FD.B.), Outdoor: 7°CD.B./6°CW.B. (45°FD.B./43°FW.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

^{*4} The factory setting of external static pressure is shown without < >.
Refer to "Fan characteristics curves", according to the external
static pressure, in DATA BOOK for the usable range of air flow rate.

INDOOR UNIT Fresh Air Intake Type

PEFY-P VMH-E-F

Fresh Air Intake

Fresh Air can be taken in with temperature control. Ideal for offices, stores and restaurants.



The Fresh Air intake indoor unit can be installed anywhere.

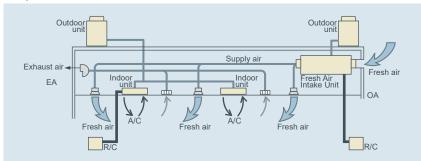
The Fresh Air intake indoor unit can take fresh outdoor air into any building in any place.

Office, Lobby, Workshop, Rest room, Nursing home, Cafeterias, Restaurant Kitchen

* Limits of capacity connectable to outdoor unit

 $Max.\ 110\%\ of\ outdoor\ unit\ capacity,\ excepting\ heating\ at\ outdoor\ temperature\ of\ less\ than\ -5^{\circ}C(23^{\circ}F)\ (100\%).$

Example



< Note>

Fan remains in operation during Thermo-OFF. Using this model with other types of indoor units is recommended to prevent cold drafts caused by intaken fresh air.

< Note>

Please contact your local sales engineer for specific installation and application information relating to this product.

				PEFY-P80VMH-E-F	PEFY-P140VMH-E-F
Power	source			1-phase 220-240V 50Hz /	
Cooling	g capacit	*1 V +1	kW	9.0	16.0
ļ.,	J	*1 *1	BTU/h	30,700	54,600
Heating	g capacit	y *1	kW BTU/h	8.5 29,000	15.1 51,500
Power		Cooling	kW	0.16 / 0.21	0.29 / 0.33
	mption	Heating	kW	0.16 / 0.21	0.29 / 0.33
		Cooling	A	0.67 / 0.91	1.24 / 1.48
Curren	t	Heating	Α	0.67 / 0.91	1.24 / 1.48
Externa	al finish			Galva	
Dimension 380 x 1000 x 900 380 x 1200 x 900 (15 x 07 1/4 x 25 7/45)					380 x 1200 x 900
	H x W x D			(15 x 39-3/8 x 35-7/16)	(15 x 47-1/4 x 35-7/16)
Net we			kg(lbs.)	50 (111)	70 (155)
Heat e	xchange			Cross fin (Aluminum pla	
	Type x	Quautity	m³/min	Sirocco fan x 1 9.0	Sirocco fan x 2 18.0
	Airflow	rate	L/s	150	300
	Airiow	Tale	cfm	318	636
Fan	External	208V	Pa	35 - 85 - 170	35 - 85 - 170
	static	220V	Pa	40 - 115 - 190	50 - 115 - 190
	pressure	230V	Pa	50 - 130 - 210	60 - 130 - 220
	(Lo-Mid-Hi)		Pa	80 - 170 - 220	100 - 170 - 240
Motor	Туре			1-phase indu	iction motor
Motor	Output		kW	0.09 (at 220V)	0.14 (at 220V)
Air filte	r (option)			Synthetic fiber unwove	en cloth filter (long life)
		Gas	mm(in.)	ø15.88	(ø5/8)
Refrige		(Flare)	are)		(2000)
pipe di	ameter	Liquid (Flare)	mm(in.)	ø9.52	(ø3/8)
Field d	rain pipe	(/	mm(in.)	O.D.32	(1.1/4)
	essure level		dB(A)	27 - 38 - 43	28 - 38 - 43
(Lo-Mid-H		230, 240V	dB(A)	33 - 43 - 45	34 - 43 - 45
(LO INIG I	, -		()		
				PEFY-P200VMH-E-F	PEFY-P250 VMH-E-F
_					
Power	source		14/4/	3-phase 380-415V 50Hz	z / 3N~ 380-415V 60Hz
	source	ity	kW RTII/b	3-phase 380-415V 50Hz 22.4	z / 3N~ 380-415V 60Hz 28.0
		ity	BTU/h	3-phase 380-415V 50Hz 22.4 76,400	z / 3N~ 380-415V 60Hz 28.0 95,500
Coolin		-	BTU/h kW	3-phase 380-415V 50Hz 22.4 76,400 21.2	2 / 3N~ 380-415V 60Hz 28.0 95,500 26.5
Coolin	g capac	ity	BTU/h	3-phase 380-415V 50Hz 22.4 76,400	z / 3N~ 380-415V 60Hz 28.0 95,500
Coolin Heatin Power	g capac	ity	BTU/h kW BTU/h	3-phase 380-415V 50Hz 22.4 76,400 21.2 72,300	2 / 3N~ 380-415V 60Hz 28.0 95,500 26.5 90,400
Coolin Heatin Power	g capac ng capac ng capac	ity	BTU/h kW BTU/h kW	3-phase 380-415V 50Hz 22.4 76,400 21.2 72,300 0.34 / 0.42	28.0 95,500 26.5 90,400 0.39 / 0.50
Coolin Heatin Power consu	g capac g capac umption	ity Cooling Heating	BTU/h kW BTU/h kW kW	3-phase 380-415V 50Hz 22.4 76,400 21.2 72,300 0.34 / 0.42 0.34 / 0.42 0.58 / 0.74	2 / 3N~ 380-415V 60Hz 28.0 95,500 26.5 90,400 0.39 / 0.50 0.68 / 0.86 0.68 / 0.86
Coolin Heatin Power consu Currer Extern	g capac g capac umption nt	Cooling Heating Cooling	BTU/h kW BTU/h kW kW	3-phase 380-415V 50Hz 22.4 76,400 21.2 72,300 0.34 / 0.42 0.34 / 0.42 0.58 / 0.74 0.58 / 0.74 Galva	28.0 95,500 26.5 90,400 0.39 / 0.50 0.68 / 0.86 0.68 / 0.86
Coolin Heatin Power consu Currer Extern Dimen	ig capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing capacing	Cooling Heating Cooling	BTU/h kW BTU/h kW kW A	3-phase 380-415V 50Hz 22.4 76,400 21.2 72,300 0.34 / 0.42 0.34 / 0.42 0.58 / 0.74 0.58 / 0.74 Galva 470 x 125	28.0 95,500 26.5 90,400 0.39 / 0.50 0.39 / 0.50 0.68 / 0.86 0.68 / 0.86
Coolin Heatin Power consu Currer Extern Dimen H x W	ig capaces ig capaces imption int ial finish ision x D	Cooling Heating Cooling	BTU/h kW BTU/h kW kW A A mm(in.)	3-phase 380-415V 50Hz 22.4 76,400 21.2 72,300 0.34 / 0.42 0.34 / 0.42 0.58 / 0.74 0.58 / 0.74 Galva 470 x 125 (18-9/16 x 49-	28.0 95,500 26.5 90,400 0.39 / 0.50 0.39 / 0.50 0.68 / 0.86 0.68 / 0.86 nized 0 x 1120 1/4 x 44-1/8)
Power consu Currer Extern Dimen H x W Net we	g capac g capac umption nt all finish sision x D	Cooling Heating Cooling Heating	BTU/h kW BTU/h kW kW A	3-phase 380-415V 50Hz 22.4 76,400 21.2 72,300 0.34 / 0.42 0.34 / 0.42 0.58 / 0.74 0.58 / 0.74 Galva 470 x 125 (18-9/16 x 49-100) (100)	28.0 95,500 26.5 90,400 0.39 / 0.50 0.68 / 0.86 0.68 / 0.86 nized 0 x 1120 1/4 x 44-1/8)
Power consu Currer Extern Dimen H x W Net we	ng capac ng capac numption nt nal finish nsion x D eight exchange	ity Cooling Heating Cooling Heating	BTU/h kW BTU/h kW kW A A Mmm(in.)	3-phase 380-415V 50Hz 22.4 76,400 21.2 72,300 0.34 / 0.42 0.34 / 0.42 0.58 / 0.74 0.58 / 0.74 Galva 470 x 125 (18-9/16 x 49- 100 (Cross fin (Aluminum ple	28.0 95,500 26.5 90,400 0.39 / 0.50 0.68 / 0.86 0.68 / 0.86 nized 0 x 1120 1/4 x 44-1/8) 221) tte fin and copper tube)
Power consu Currer Extern Dimen H x W Net we	ng capac ng capac numption nt nal finish nsion x D eight exchange	Cooling Heating Cooling Heating	BTU/h kW BTU/h kW kW A A kg(lbs.)	3-phase 380-415V 50Hz 22.4 76,400 21.2 72,300 0.34 / 0.42 0.34 / 0.42 0.58 / 0.74 0.58 / 0.74 Galva 470 x 125 (18-9/16 x 49-	28.0 95,500 26.5 90,400 0.39 / 0.50 0.39 / 0.50 0.68 / 0.86 0.68 / 0.86 nized 0 x 1120 1/4 x 44-1/8) 221) tet fin and copper tube) fan x 2
Power consu Currer Extern Dimen H x W Net we	g capace graph of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of	ity Cooling Heating Cooling Heating Heating	BTU/h kW BTU/h kW kW A A Mmm(in.)	3-phase 380-415V 50Hz 22.4 76,400 21.2 72,300 0.34 / 0.42 0.34 / 0.42 0.58 / 0.74 0.58 / 0.74 Galva 470 x 125 (18-9/16 x 49- 100 (Cross fin (Aluminum ple	28.0 95,500 26.5 90,400 0.39 / 0.50 0.39 / 0.50 0.68 / 0.86 0.68 / 0.86 nized 0 x 1120 1/4 x 44-1/8) 221) tte fin and copper tube)
Power consu Currer Extern Dimen H x W Net we	ng capac ng capac numption nt nal finish nsion x D eight exchange	ity Cooling Heating Cooling Heating Heating	BTU/h kW BTU/h kW kW A A Mmm(in.)	3-phase 380-415V 50Hz 22.4 76,400 21.2 72,300 0.34 / 0.42 0.34 / 0.42 0.58 / 0.74 0.58 / 0.74 Galva 470 x 125 (18-9/16 x 49- 100 (Cross fin (Aluminum pla Sirocco	28.0 95,500 26.5 90,400 0.39 / 0.50 0.39 / 0.50 0.68 / 0.86 0.68 / 0.86 nized 0 x 1120 1/4 x 44-1/8) 221) tet fin and copper tube) fan x 2
Coolin Heatin Power consu Currer Exterm Dimen H x W Net we Heat e	g capace graph of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second o	ity Cooling Heating Cooling Heating Heating	BTU/h kW BTU/h kW kW A A mm(in.) kg(lbs.)	3-phase 380-415V 50Hz 22.4 76,400 21.2 72,300 0.34 / 0.42 0.34 / 0.42 0.58 / 0.74 0.58 / 0.74 Galva 470 x 125 (18-9/16 x 49-100) Cross fin (Aluminum pla Sirocco 28 467	2 / 3N~ 380-415V 60Hz 28.0 95,500 26.5 90,400 0.39 / 0.50 0.68 / 0.86 0.68 / 0.86 nized 0 x 1120 11/4 x 44-1/8) 221) tet fin and copper tube) fan x 2 35 583
Coolin Heatin Power consu Currer Exterm Dimen H x W Net we Heat e	g capace graph of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of	ity Cooling Heating Cooling Heating Heating	BTU/h kW BTU/h kW A A mm(in.) kg(lbs.)	3-phase 380-415V 50Hz 22.4 76,400 21.2 72,300 0.34 / 0.42 0.58 / 0.74 0.58 / 0.74 Galva 470 x 125 (18-9/16 x 49) 100 (Cross fin (Aluminum ple Sirocco 28 467 989 140 / 200 150 / 210	2 / 3N~ 380-415V 60Hz 28.0 95,500 26.5 90,400 0.39 / 0.50 0.68 / 0.86 0.68 / 0.86 nized 0 x 1120 1/4 x 44-1/8) 221) ste fin and copper tube) fan x 2 35 583 1236
Coolin Heatin Power consu Currer Exterm Dimen H x W Net we Heat e	g capace ag capace amption on the sal finish existence are appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by the same appeared by t	ity Cooling Heating Cooling Heating Heating Couling Heating Heating are Guautity rate 380V 400V	BTU/h kW BTU/h kW A A mm(in.) kg(lbs.)	3-phase 380-415V 50Hz 22.4 76,400 21.2 72,300 0.34 / 0.42 0.34 / 0.42 0.58 / 0.74 0.58 / 0.74 Galva 470 x 125 (18-9/16 x 49- 100 (Cross fin (Aluminum pla Sirocco 28 467 989 140 / 200	28.0 95,500 26.5 90,400 0.39 / 0.50 0.68 / 0.86 0.68 / 0.86 nized 0 x 1120 1/4 x 44-1/8) 221) tete fin and copper tube) fan x 2 35 583 1236 110 / 190
Coolin Heatin Power consu Currer Extern Dimen H x W Net we Heat e	g capac g capac umption nt lal finish lision x D light exchange Type x Airflow External static pressure	Cooling Heating Cooling Heating Heating Heating Heating Heating Heating Heating Heating Representation of the Cooling Representation	BTU/h kW BTU/h kW A A A mm(in.) kg(lbs.) m³/min L/s cfm Pa Pa Pa	3-phase 380-415V 50Hz 22.4 76,400 21.2 72,300 0.34 / 0.42 0.34 / 0.42 0.58 / 0.74 0.58 / 0.74 Galva 470 x 125 (18-9/16 x 49-100) Cross fin (Aluminum pla Sirocco 28 467 989 140 / 200 150 / 210 160 / 220 3-phase inde	28.0 95,500 26.5 90,400 0.39 / 0.50 0.68 / 0.86 0.68 / 0.86 0.120 11/4 x 44-1/8) 221) Itle fin and copper tube) fan x 2 35 583 1236 110 / 190 120 / 200 130 / 210
Coolin Heatin Power consu Currer Extern Dimen H x W Net we Heat e	g capac g capac umption nt lal finish lasion x D leight exchange Type x Airflow External static pressure Type Output	Cooling Heating Cooling Heating Heating Err Quautity rate 380V 400V 415V	BTU/h kW BTU/h kW BTU/h kW A A A mm(in.) kg(lbs.) m³/min L/s cfm Pa Pa	3-phase 380-415V 50Hz 22.4 76,400 21.2 72,300 0.34 / 0.42 0.34 / 0.42 0.58 / 0.74 0.58 / 0.74 Galva 470 x 125 (18-9/16 x 49- 100) Cross fin (Aluminum ple Sirocco 28 467 989 140 / 200 150 / 210 160 / 220 3-phase indi	28.0 95,500 26.5 90,400 0.39 / 0.50 0.68 / 0.86 0.68 / 0.86 0.6120 0 x 1120 11/4 x 44-1/8) 221) ste fin and copper tube) fan x 2 35 583 1236 110 / 190 120 / 200 130 / 210 section motor 0.23
Coolin Heatin Power consu Currer Extern Dimen H x W Net we Heat e	g capac g capac umption nt lad finish sision x D eight exchange Type x Airflow External static pressure	Cooling Heating Cooling Heating Heating Heating Heating Heating Per Quautity rate 380V 400V 415V	BTU/h kW BTU/h kW A A A mm(in.) kg(lbs.) m³/min L/s cfm Pa Pa Pa	3-phase 380-415V 50Hz 22.4 76,400 21.2 72,300 0.34 / 0.42 0.34 / 0.42 0.58 / 0.74 0.58 / 0.74 Galva 470 x 125 (18-9/16 x 49-100) Cross fin (Aluminum pla Sirocco 28 467 989 140 / 200 150 / 210 160 / 220 3-phase inde	28.0 95,500 26.5 90,400 0.39 / 0.50 0.68 / 0.86 0.68 / 0.86 0.6120 0 x 1120 11/4 x 44-1/8) 221) ste fin and copper tube) fan x 2 35 583 1236 110 / 190 120 / 200 130 / 210 section motor 0.23
Coolin Heatin Power consu Currer Extern Dimen H x W Net we Heat e	g capac g capac g capac umption nt lal finish sision x D eight exchange Type x Airflow External static pressure Type Output er (option	Cooling Heating Cooling Heating Heating Heating Heating Heating Trate 380V 400V 415V	BTU/h kW BTU/h kW A A A mm(in.) kg(lbs.) m³/min L/s cfm Pa Pa Pa	3-phase 380-415V 50Hz 22.4 76,400 21.2 72,300 0.34 / 0.42 0.34 / 0.42 0.58 / 0.74 0.58 / 0.74 Galva 470 x 125 (18-9/16 x 49- 100) Cross fin (Aluminum ple Sirocco 28 467 989 140 / 200 150 / 210 160 / 220 3-phase indi	28.0 95,500 26.5 90,400 0.39 / 0.50 0.68 / 0.86 0.68 / 0.86 0.6120 0 x 1120 11/4 x 44-1/8) 221) ste fin and copper tube) fan x 2 35 583 1236 110 / 190 120 / 200 130 / 210 section motor 0.23
Coolin Heatin Power consu Currer Extern Dimen H x W Net we Heat e	g capac g capac umption nt all finish ision beight exchange Type x Airflow External static pressure Type Output er (optice erant	Cooling Heating Cooling Heating Heating Heating Per Quautity rate 380V 400V 415V Gas (Flare)	BTU/h kW BTU/h kW kW A A mm(in.) kg(lbs.) m³/min L/s cfm Pa Pa R	3-phase 380-415V 50Hz 22.4 76,400 21.2 72,300 0.34 / 0.42 0.34 / 0.42 0.58 / 0.74 0.58 / 0.74 Galva 470 x 125 (18-9/16 x 49-100) Cross fin (Aluminum pla Sirocco 28 467 989 140 / 200 150 / 210 160 / 220 3-phase indi 0.20 Synthetic fiber unmoven	28.0 95,500 26.5 90,400 0.39 / 0.50 0.68 / 0.86 0.68 / 0.86 0.12ed 0 x 1120 114 x 44-1/8) 221) ste fin and copper tube) fan x 2 35 583 1236 110 / 190 120 / 200 130 / 210 settion motor 0.23 cloth filter (long life type)
Coolin Heatin Power consu Currer Extern Dimen H x W Net we Heat e	g capac g capac g capac umption nt lal finish sision x D eight exchange Type x Airflow External static pressure Type Output er (option	Cooling Heating Cooling Heating Heating Heating Per Quautity rate 380V 400V 415V Gas (Flare) Liquid	BTU/h kW BTU/h kW kW A A mm(in.) kg(lbs.) m³/min L/s cfm Pa Pa R	3-phase 380-415V 50Hz 22.4 76,400 21.2 72,300 0.34 / 0.42 0.34 / 0.42 0.58 / 0.74 0.58 / 0.74 Galva 470 x 125 (18-9/16 x 49-100) Cross fin (Aluminum pla Sirocco 28 467 989 140 / 200 150 / 210 160 / 220 3-phase indi 0.20 Synthetic fiber unmoven	28.0 95,500 26.5 90,400 0.39 / 0.50 0.68 / 0.86 0.68 / 0.86 0.68 / 0.86 0.120 1/4 x 44-1/8) 221) tet fin and copper tube) fan x 2 35 583 1236 110 / 190 120 / 200 130 / 210 Justion motor 0.23 Cloth filter (long life type)
Coolin Heatin Power consu Currer Extern Dimen H x W Net we Heat e	g capac g capac umption nt lad finish lasion x D leight exchange Type x Airflow External static pressure Type Output er (option erant iameter	Cooling Heating Cooling Heating Heating Per Quautity rate 380V 400V 415V Cas (Flare) Liquid (Flare)	BTU/h kW BTU/h kW BTU/h kW kW A A A mm(in.) kg(lbs.) m³/min L/s cfm Pa Pa Pa kW mm(in.)	3-phase 380-415V 50Hz 22.4 76,400 21.2 72,300 0.34 / 0.42 0.58 / 0.74 0.58 / 0.74 Galva 470 x 125 (18-9/16 x 49- 100 (Cross fin (Aluminum ple Sirocco 28 467 989 140 / 200 150 / 210 160 / 220 3-phase indi 0.20 Synthetic fiber unmoven	28.0 95,500 26.5 90,400 0.39 / 0.50 0.68 / 0.86 0.68 / 0.86 nized 0 x 1120 1/4 x 44-1/8) 221) tite fin and copper tube) fan x 2 35 583 1236 110 / 190 120 / 200 130 / 210 uction motor 0.23 cloth filter (long life type) Ø22.2 (Ø7/8)
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Notes:

- 1. The cooling and heating capacites are the maximum capacites that were obitained by operating in the above air conditions and with a refrigerant pipe of about 7.5m.
- 2. The actual capacity characteristics vary with the combination of indoor and outdoor units. See the technical infomation.

 3. The operating noise is the data that was obitained by measuring it 1.5m from the the bottom of the unit in an anechoic room. (Noise meter A-scale value)

 4. The figure of Electrical characteristic indicates at 240V 50Hz/280V60Hz (PEFY-P80, 140VHM-E-F type), at 220Pa setting at 415V (PEFY-P200, 250VMH-E-F type).

 5. When the 100% fresh air indoor units are connected, the maximum connectable indoor units to 1 outdoor unit are as follows

Heat pump models Cooling only 110%(100% in case of heating below-5°C(23°F)) 110%

- 6. Operational temp range is Cooling: from 21°C(70°F)DB/15.5°C(60°F)WB to 43°C(109°F)DB/35°C(95°F)WB

 * Thermo off(Fan) operation automatically starts either when temperature is lower than 21°C(70°F)DB in cooling mode or when the temperature exceeds 20°C(68°F)DB in heating mode.

 * Autochangeover function or Dry mode is NOT available. Fan mode operation during the thermo off in Cooling/Heating mode.

 9. In any case, the air flow rate should be kept lower than 110% of the above chart. Please see "Fan curves" for the details.

 10. When this unit is used as sole A/C system, be careful about the dew in air outlet grilles in cooling mode.

 11. Un-conditioned outdoor air such as humid air or cold air blows to the indoor during thermo off operation.

 Please be careful when positioning indoor unit air outlet grilles, ie take the necessary precautions for cold air, and also insulate rooms for dew condensation prevention as required.

 12. Air filter must be installed in the air intake side. The filter should be attached where easy maintenance in possible in case of usage of fild supply filters.

 13. Long life cannot be used with Hi-efficiency filter together (PEFY-P80 · 140VMH-E-F type).

Indoor Unit

INDOOR UNIT Fresh Air Intake Type

PEFY-P VMHS-E-F

Fresh Air Intake

Fresh Air can be taken in with temperature control. Ideal for offices, stores and restaurants.

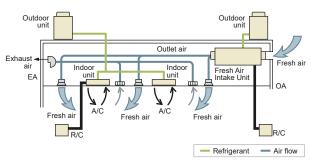




Enables Intake of Outside Air

Fresh air can be taken in with temperature control. Fresh air intake is available for each air-conditioning zone.

*Fresh air intake type indoor unit is designed to supply pretreated outside air into the room. Do not use to handle internal thermal load.



Flexible Air-Flow Setting

Four levels of external static pressure levels to choose from compared to the three levels on the existing models

Model	P125 P200 P250					
External static pressure (Pa)	<100>	-<150>-200-	<250>			

^{*}The factory setting of external static pressure is shown without chevrons "< >".

Two types of air-flow modes are available, each of which has three air-flow rates to choose from.

Mode	Normal-airflow rate	High-airflow rate
Air-flow rate	Low-Medium-High	Low-Medium-High

^{*}Air-flow rates are accessible from the remote controller.

Controllable Outlet Air Temperature

Pre-treating the intake air before being supplied to the room contributes to the stability of room temperature, ensuring optimized comfort of the occupants.

*Outlet air temperature may fluctuate, depending on the outside air temperature and the operating status of indoor and outdoor units.

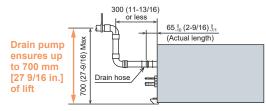
Equipped with New Fan Motor

Fan motor has been changed to higher efficiency DC motor. Power source has been changed from three-phase power supply to single-phase power supply, which allows for easier installation.

*Comparison with PEFY-P140, 200, 250VMH-E-F

Drain Pump (Optional)

Greater design flexibility made possible by the increased head height (Max. 700 mm)*



*Comparison with drain pump PAC-KE04DM-F



			PEFY-P125	VMHS-E-F	PEFY-P200	VMHS-E-F	PEFY-P250VMHS-E-F	= *6
Power source					1-phase 220-230	-240 V 50/60 Hz		
Capling Capacity 1		kW	14	.0	22.4		28	3.0
Cooling Capacit	у '	BTU/h	47,8	300	76,4	400	98,	500
11ti0it		kW	8.	9	13	.9	17	'.4
Heating Capacit	y -	BTU/h	30,400		47,4	400	59,	400
Power	Cooling	kW	0.2	20	0.2	60	0.3	50
Consumption *3	Heating	kW	0.2	30	0.2	70	0.3	60
Current		Α	1.4	43	1.6	66	2.	16
Heating		Α	1.5	52	1.8	35	2.3	38
External finish					Galva	nised		
Dimensions (Wx	:DxH)	[mm]	380 x 11	95 x 900	470 x 1250 x 1120 470 x 1250		50 x 1120	
Net weight		[kg] (lbs.)	49 (109)	78 (*	172)	81 (179)
Heat exchanger					Cross fin (Aluminium	fin and copper tube)		
	Type x Quantity		Sirocco fan x 1					
			Nominal airflow rate	High airlfow rate	Nominal airflow rate	High airlfow rate	Nominal airflow rate	High airlfow rate
	Airflow rate	m³/min	14.0 - 15.5 - 18.0	15.5 - 18.0 - 20.0	22.5 - 25.0 - 28.0	25.0 - 28.0 - 32.0	28.0 - 31.0 - 35.0	31.0 - 35.0 - 40.0
Fan *4,5	(Lo-Hi)	L/s	167 - 200 -233	258 - 300 - 333	375 - 417 - 467	417 - 467 - 533	467 - 517 - 583	517 - 583 - 667
	(LO-111)	cfm	353 - 424 -494	547 - 636 - 706	794 - 883 - 989	883 - 989 - 1130	989 - 1095 - 1236	1095 - 1236 - 1412
	External static pressure	Pa			50 - 100 -	150 - 200		
Motor	Туре				DC N	Notor		
IVIOLOI	Output	kW	0.2	44	0.3	75	0.3	75
Air filter				C	ption: Long life filter an	filter box recommend	ed	
Refrigerant pipe	Gas (flare)	mm	15.88 (5/8	3) Brazed	15.88 (5/8	3) Brazed	22.22 (7/8	8) Brazed
diameter	Liquid (flare)	mm	9.52 (3/8) Brazed	9.52 (3/8) Brazed	9.52 (3/8) Brazed
Field drain pipe	diameter				O.D. 32	(1-1/4)		
Sound pressure (Lo-Mid-Hi-Shi)	level *2	dBA	34 - 37 - 41	36-40-42	35-38-41	36-39-42	38-40-44	38-41-45

- *1 Cooling capacity indicates the maximum value at operation under the following condition. Cooling: Indoor 33°CDB/28°CWB, Outdoor 33°CDB. The set temperature of the remote controller is 18°C.
- *2 Heating capacity indicates the maximum value at operation under the following condition. Heating: Indoor 0°CDB/-2.9°CWB, Outdoor 0°CDB/-2.9°CWB. The set temperature of the remote controller is 25°C.
- *3 The value are measured at the factory setting of airflow mode and external static pressure.
- *4 The factory setting of airflow mode and external static pressure mode is shown without < >. Refer to "Fan characteristics curves", according to the external static pressure, in DATA BOOK for the usable range of air flow rate.
- *5 If the airflow rate is over the usable range, dew drop can be caused from the air outlet and the air flow rate is changed automatically because of the output down by the fan motor control. If the air flow rate is less than the usable range, condensation from the unit surface can be caused.
- *6 Regarding P250VMHS-E-F, the middle notch air flow rate is different from the spec value when the external static pressure setting is set to 100Pa. See "Fan characterics curves" in DATA BOOK for the details.
- The combination of fresh air intake type indoor units with other types of indoor units to handle internal thermal load which may cause the conflict of operation mode. It is not recommended when fresh air intake type indoor unit is connected to the Y or WY series.
- Depending on the air conditioning load, outside temperature, and due to the activation of protection functions, the desired preset temperature may not always be achieved and the discharge temperature may swing. Note that untreated outside air may be delivered directly into the room upon the activation of protection functions.
- Fresh air intake type indoor units cannot be connected to PUMY and cannot be connected to an outdoor unit together with PWFY series.
- The maximum connectable indoor units to 1 outdoor unit are 110% (100% in case of heating below -5°C).
- When fresh air intake type indoor units connect to an outdoor unit together with other types of indoor unit, the total capacity of fresh air intake type indoor units needs to be 30% or less of the connected outdoor unit capacity.
- The AUTO mode on the local remote controller is available only when fresh air intake type indoor unit is connected to the R2 or WR2 series of outdoor
- The system changeover function is available only when all the connected indoor units are fresh air intake type indoor units.

INDOOR UNIT ____ Under Ceiling Unit

PCFY-P VKM-E



Designed for ultra-quiet operation and easy maintenance, providing exceptional comfort.



Extra slim, extra stylish

Sleek and slim with stylishly curved lines, the PCFY series blends right into any interior. It also features a single air outlet which allows the auto vane to act as a shutter when the unit is turned off

Auto vane distributes air evenly

The auto vane swings up and down automatically to distribute air more evenly to every corner of the room.

Long life filter as standard

Long life filter is equipped as standard enabling up to 2,500 hours of operation (office use) without maintenance.

Keeps airflow at optimum level according to ceiling height

The most suitable airflow can be selected for ceilings up to 4.2m high, enhancing air-conditioning efficiency and comfort. (P100/P125)

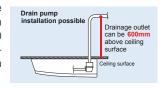
	Standard	High ceiling		
Ceiling height	3.0(9-13/16)	4.2(13-3/4)		

Greatly simplified installation

The direct suspension system eliminates the task of removing the attachment fixture from the main unit, greatly shortening installation time.

Drain pump option available with all models

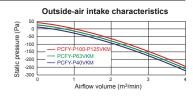
The pumping height of the optional drain pump has been increased from 400 mm to 600 mm, expanding flexibility in choosing unit location during installation work.



Outside-air intake

Units are equipped with a knock-out hole that enables the induction of fresh outside-air.

m (ft)



Equipped with automatic air-speed adjustment

In addition to the conventional 4-speed setting, units are now equipped with an automatic air-speed adjustment mode. This setting automatically adjusts the air-speed to conditions that match the room environment. At the start of heating/cooling operation, the airflow is set to high-speed to quickly heat/cool the room. When the room temperature reaches the desired setting, the airflow speed is decreased automatically for stable heating/cooling operation and comfort.



				PCFY-P40VKM-E	PCFY-P63VKM-E	PCFY-P100VKM-E	PCFY-P125VKM-E			
Power	source				1-phase 220-240V 50H	z / 1-phase 220V 60Hz				
0 !:		*1	kW	4.5	7.1	11.2	14.0			
Cooling	g capacit	y *1	BTU/h	15,400	24,200	38,200	47,800			
114:-		*1	kW	5.0	8.0	12.5	16.0			
Heating	g capacit	y *1	BTU/h	17,100	27,300	42,700	54,600			
Power		Cooling	kW	0.04	0.05	0.09	0.11			
consu	mption	Heating	kW	0.04	0.05	0.09	0.11			
Curren		Cooling	Α	0.28	0.33	0.65	0.76			
Curren	τ	Heating	Α	0.28	0.33	0.65	0.76			
Externa	al finish(N	Munsell N	lo.)		6.4Y 8	.9/ 0.4				
D:			mm	230 x 960 x 680	230 x 1,280 x 680	230 x 1,6	600 x 680			
Dimension H x W x D		in.	9-1/16 x 37-13/16 x 26-3/4	9-1/16 x 50-3/8 x 26-3/4	9-1/16 x 6	9-1/16 x 63 x 26-3/4				
Net weight kg(lbs.)			kg(lbs.)	24(53)	32 (71)	36 (79)	38 (84)			
Heat ex	xchanger	-		•	Cross fin (Aluminum	fin and copper tube)				
	Type x Quantity			Sirocco fan x 2	Sirocco fan x 3 Sirocco fan x 4					
	Airflow	*2	m³/min	10-11-12-13	14-15-16-18	21-24-26-28	21-24-27-31			
Fan	(Lo-Mid2-		L/s	167-183-200-217	233-250-267-300	350-400-433-467	350-400-450-517			
	(LO-IVIIUZ-	-iviiu i-mi)	cfm	353-388-424-459	494-530-565-636	742-847-918-989	742-847-953-1,095			
	External sta	atic pressure	Pa	0						
	Туре				DC n	notor				
Motor	Output		kW	0.090	0.095	0.1	160			
Air filte	r				PP Honeycor	mb (long life)				
Refrige	erant	Gas (Flare)	mm(in.)	ø12.7 (ø1/2)	ø15.88 (ø5/8)	ø15.88 (ø5/8) / ø19.0	5 (ø3/4) (Compatible)			
pipe di	ameter	Liquid (Flare)	mm(in.)	ø6.35 (ø1/4)		ø9.52 (ø3/8)				
Field dr	ain pipe	diameter	mm(in.)		O.D. 2	26 (1)				
Sound pressure level		dB(A)	29-32-34-36	31-33-35-37	36-38-41-43	36-39-42-44				

- *1 Cooling/Heating capacity indicates the maximum value at operation under the following condition. Cooling Indoor: 27°C(80.6°F)DB/19°C(66.2°F)WB,Outdoor 35°C(95°F)DB Heating Indoor: 20°C(68°F)DB,Outdoor 7°C(44.6°F)DB/6°C(42.8°F)WB
- *2 Airflw rate/Sound pressure level are shown in (low-middle 2-middle 1-high).
- *3 It is measured in anechoic room.

INDOOR UNIT ____ Wall Mounted Type





PKFY-P VLM-E PKFY-P VKM-E

Elegant design and compact dimensions ideal for offices, stores and residential uses.



Capacity	range							
Capacity	P15	P20	P25	P32	P40	P50	P63	P100
VLM	0							
VKM							0	0

4-way piping provides more flexibility in selecting installation sites

All piping including drainage can be connected from the rear, right, base, and left of the unit, providing much greater flexibility in piping and selecting installation site.

Compatible with Blue Diamond Condensate Pumps





PKFY-P VLM features

New Design

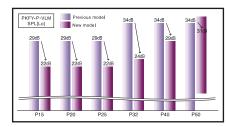
A sharp and simple form that combines beauty and function. The simple square design harmonises beautifully with the straight lines created by the intersection of the walls, floor and ceiling of the space, leading to a better quality of space. Also adopted a new white body colour. It will make your life and space beautiful and comfortable without disturbing the atmosphere of the room. In addition, we realised miniaturisation of conventional P32 model. It contributes to space saving of installation area and giving room to room space.



Quietness

The noise level has been significantly reduced compared to the conventional model by reviewing the unit structure and improving the line flow fan.





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				PKFY-P10VLM-E	PKFY-P15VLM-E	PKFY-P20VLM-E	PKFY-P25VLM-E	PKFY-P32VLM-E	PKFY-P40VLM-E	PKFY-P50VLM-E			
Power	source					1-phase 22	0-240V 50Hz / 1-phase	220V 60Hz					
0 1:		*1 kW		1.2	1.7	2.2	2.8	3.6	4.5	5.6			
Cooling capacity *1		BTU/h	4,100	5,800	7,500	9,600	12,300	15,400	19,100				
Heating capacity *1 *1		*1	kW	1.4	1.9	2.5	3.2	4.0	5.0	6.3			
		^{ity} *1	BTU/h	4,800	6,500	8,500	10,900	13,600	17,100	21,500			
Power	(Cooling *4	kW		0.02		0.03	0.04	0.04	0.05			
consun	nption	Heating	kW		0.01		0.02	0.03	0.03	0.04			
Curren	. (Cooling *4	Α		0.20		0.25	0.35	0.35	0.45			
Curren	'	Heating	Α		0.15		0.20	0.30	0.30	0.40			
Externa	al finish((Munsell N	No.)				Plastic (0.7PB 9.2/0.4)						
Dimens	sion H	x W x D	mm(in.)		299 x 773 x	237 (11-25/32 x 30-7/1	6 x 9-11/32)		299 x 898 x 237 (11-2	299 x 898 x 237 (11-25/32 x 35-3/8 x 9-11/32)			
Net we	ight		kg(lbs.)			11 (25)			13	(29)			
Heat ex	xchange	er				Cross fin	(Aluminum fin and cop	per tube)					
	Type x	Quantity					Line flow fan x 1						
	Airflow	, rate *2	m³/min	3.3 - 3.5 - 3.8 - 4.2	4.0 - 4.2 - 4.4 - 4.7	4.0 - 4.4 - 4.9 - 5.4	4.0 - 4.6 - 5.4 - 6.7	4.3 - 5.4 - 6.9 - 8.4		6.8 - 8.3 - 10.2 - 12.4			
Fan		/ rate I2-Mid1-Hi)	L/s	55 - 58 - 63 - 70	67 - 70 - 73 - 78	67 - 73 - 82 - 90	67 - 77 - 90 - 112	72 - 90 - 115 - 140		113 - 138 - 170 - 207			
	`		cfm	117 - 124 - 134 - 148	141 - 148 - 155 - 166	141 - 155 - 173 - 191	141 - 162 - 191 - 237	152 - 191 - 244 - 297	222 - 261 - 304 - 353	240 - 293 - 360 - 438			
	External s	static pressure	Pa	0									
Motor	Type						DC Motor						
IVIOLOI	Outpu	t	kW				0.030						
Air filte	r						PP Honeycomb						
Refrige	rant	Gas (Flare)	mm(in.)				ø12.7 (ø1/2)						
pipe diameter		Liquid (Flare)	mm(in.)				ø6.35 (ø1/4)						
Field dr	ain pipe	diameter	mm(in.)				I.D.16 (5/8)						
Sound (Lo-Mic	•	e level Hi) *2 *3	dB(A)	22-24-	-26-28	22-26-29-31	22-27-31-35	24-31-37-41	29-34-37-40	31-36-41-46			

Notes:

- *1 Cooling/Heating capacity indicates the maximum value at operation under the following condition. Cooling Indoor: 27°C(81°F)DB/19°C(66°F)WB,Outdoor: 35°C(95°F)DB Heating Indoor: 20°C(68°F)DB,Outdoor: 7°C(45°F)DB/6°C(43°F)WB
- *2 Airflow rate/Sound pressure level are in (low-middle2-middle1-high).
- *3 It is measured in anechoic room.
- *4 Electrical characteristic of cooling are included optional drain-pump.

				PKFY-P63VKM-E	PKFY-P100VKM-E				
Power	source			1-phase 220-230-240V 50	DHz / 1-phase 220V 60Hz				
0 1:		*1	kW	7.1	11.2				
Cooling	g capacit	y *1	BTU/h	24,200	38,200				
Llastin	it	*1	kW	8.0	12.5				
neaun	g capacit	·y *1	BTU/h	27,300	42,600				
Power	C	ooling *4	kW	0.05	0.08				
consur	nption H	eating	kW	0.04	0.07				
Curren	, C	ooling *4	Α	0.37	0.58				
Curren	H	eating	Α	0.30	0.51				
Externa	al finish(I	Munsell N	lo.)	Plastic (1.0	0Y 9.2/0.2)				
Dimen	sion H x	WxD	mm(in.)	365 x 1,170 x 295 (14-	,				
Net we	ight		kg(lbs.)	21 (46)					
Heat e	xchangei	r		· · · · · · · · · · · · · · · · · · ·	Cross fin (Aluminum fin and copper tube)				
	Type x	Quantity		Line flow fan x 1					
	Airflow	rate *2	m³/min	16-20	20-26				
Fan	1	(I o-Hi)		267-333	333-433				
	(LO-111)		cfm	565-706	706-918				
	External sta	atic pressure	Pa	C					
Motor	Туре			DC n					
IVIOLOI	Output		kW	0.0					
Air filte	r			PP Hone	eycomb				
		Gas	mm(in.)	ø15.88 (ø5/8)	ø15.88 (ø5/8) / ø19.05 (ø3/4)				
Refrige		(Flare)	()	210:00 (20:0)	(Compatible)				
pipe di	ameter	Liquid (Flare)	mm(in.)	ø9.52 (ø3/8)					
Field di	ain pipe	diameter	mm(in.)	I.D. 16	6(5/8)				
	pressure		dB(A)	39-45	41-49				

- *1 Cooling/heating capacity indicates the maximum value at operation under the following condition. Cooling Indoor: 27°C(81°F)DB/19°C(66°F)WB, Outdoor: 35°C(95°F)DB Heating Indoor: 20°C(68°F)DB, Outdoor: 7°C(45°F)DB/6°C(43°F)WB
- *2 Airflow rate/Sound pressure level are in (low-high).
- *3 It is measured in anechoic room.
- *4 Electrical characteristic of cooling are included optional drain-pump.

INDOOR UNIT Floor Console

PFFY-P VKM-E2



For living rooms, bedrooms, or offices where a sophisticated design is required. The latest Mitsubishi Electric innovation – floor-standing air-conditioners sophisticated in design, rich in function.



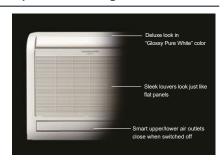
Quiet operation

Mitsubishi Electric air conditioners have always been some of the quietest models available in the market. Our new floorstanding models are no exception. Floor consoles create a quiet, comfortable space and are designed for unobtrusive heating.



Sophisticated Design

From Mitsubishi Electric, an innovative new floor-standing air-conditioner, a mix of streamlined form and diversified



function. Engineered to keep walls free and allowing for comfortable cooling in summer and toasty heating in winter, the "Glossy Pure White" colour ensures a deluxe look, the perfect match for any room. Both upper and lower air outlets remain closed when switched OFF, for a smart and striking look. A superb new air-conditioner from Mitsubishi Electric, providing a handsome fit for your own distinctive interior.

Slim but Mighty

The unit's body is slim and compact; an ideal size for living rooms, bedrooms, and more. The removable and washable front panel makes cleaning a snap. Easy and regular

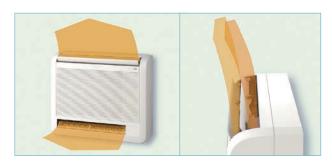


cleaning means your air-conditioner stays pristine while maintaining energy-efficient operation.

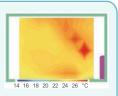
Optimum Air Distribution

Comfortable room temperatures are realised by the optimum, powerful and efficient air distribution through upper and lower air outlets. The upper vane angle is remote controllable, with 5 air flow direction levels (+Swing and Auto modes) and 4 wind power levels (+Auto mode).

By setting the vane angle almost vertical, direct air flow can be avoided for increased comfort.



The air from both upper and lower air outlets is optimally controlled and distributed evenly to every corner of the room. In heating mode, the warm air is smartly controlled to stay at the floor level, meaning your feet will never feel chilled again!





				PFFY-P20VKM-E2	PFFY-P25VKM-E2	PFFY-P32VKM-E2	PFFY-P40VKM-E2		
Power	source				1-phase 220	I-240V 50Hz			
0 1:		*1	kW	2.2	2.8	3.6	4.5		
Cooling	g capacit	ty *1	BTU/h	7,500	9,600	12,300	15,400		
Llaatine		., *1 kW		2.5	3.2	4.0	5.0		
Heating capacity		^{ty} *1	BTU/h	8,500	10,900	13,600	17,100		
Power		Cooling	kW	0.025	0.025	0.025	0.028		
consun	nption	Heating	kW	0.025	0.025	0.025	0.028		
Curren		Cooling	Α	0.20	0.20	0.20	0.24		
Curren	·	Heating	Α	0.20	0.20	0.20	0.24		
Externa	al finish				Plastic (Pi	ure white)			
Dimens	sion		mm	600 x 700 x 200					
H x W	x D		in.		23-5/8 x 27-9/16 x 7-7/8				
Net we	ight		kg(lbs.)		15 ((34)			
Heat ex	xchange	r		Cross fin (Alminium plate fin and copper tube)					
		Quantity		Line flow fan x 2					
	Airflow		m³/min 5.9-6.8-7.6-8.7		6.1-7.0-8.0-9.1	6.1-7.0-8.0-9.1	8.0-9.0-9.5-10.7		
Fan	,	d-Hi-SHi)	111 /1111111	3.3-0.0-7.0-0.7	0.1-7.0-0.0-3.1	0.1-7.0-0.0-3.1	0.0-3.0-3.3-10.7		
	Externa	al static	Pa	0					
	pressur	re	١ ۵						
Motor	Туре				DC n				
	Output		kW		0.03	··· =			
Air filte					PP honeycomb fab	· '			
Refrige		Gas(Flare)	mm(in.)		ø12.7				
		Liquid(Flare)			ø6.35	<u> </u>			
		diamete	r		I.D.16	5 (5/8)			
	pressured-Hi-SHi		dB(A)	27-31-34-37	28-32-35-38	28-32-35-38	35-38-42-44		

^{*1} Cooling/heating capacity indicates the maximum value at operation under the following condition. Cooling Indoor: 27°C(81°F)DB/19°C(66°F)WB, Outdoor: 35°C(95°F)DB Heating Indoor: 20°C(68°F)DB, Outdoor: 7°C(45°F)DB/6°C(43°F)WB

 $^{^{*}2}$ Airflow rate/Sound pressure level are in (low-middle-high-shigh).

^{*3} It is measured in anechoic room.

INDOOR UNIT Floor Standing Exposed

PFFY-P VLEM-E



Floor mounted exposed type, effective for perimeter installation.



- Standardised design with clean lines
- Supports various types of spaces from office buildings and shop buildings to hospitals
- Water vapor permeable film humidifier can be installed
- Remote controller can be installed onto the main unit

Compact unit for easy air conditioning in a perimeter zone

The compact body of 220mm(8-11/16in.) in depth can be easily installed in the perimeter zone for effective, unobtrusive air conditioning.

				PFFY-P20VLEM-E	PFFY-P25VLEM-E	PFFY-P32VLEM-E	PFFY-P40VLEM-E	PFFY-P50VLEM-E	PFFY-P63VLEM-E		
Power	source				1-p	hase 220-240V 50Hz	1-phase 208-230V 60	Hz			
0 1:		*1	kW	2.2	2.8	3.6	4.5	5.6	7.1		
Cooling	g capacit	y *1	BTU/h	7,500	9,600	12,300	15,400	19,100	24,200		
		*1	kW	2.5	3.2	4.0	5.0	6.3	8.0		
Heating	g capacit	y *1	BTU/h	8,500	10,900	13,600	17,100	21,500	27,300		
Power		Cooling	kW	0.04	/ 0.06	0.06 / 0.07	0.065 / 0.075	0.085 / 0.09	0.1 / 0.11		
consu	mption	Heating	kW	0.04	/ 0.06	0.06 / 0.07	0.065 / 0.075	0.085 / 0.09	0.1 / 0.11		
Curren		Cooling	Α	0.19	0.25	0.29 / 0.30	0.32 / 0.33	0.40 / 0.41	0.46 / 0.47		
Curren	ı	Heating	Α	0.19	0.25	0.29 / 0.30	0.32 / 0.33	0.40 / 0.41	0.46 / 0.47		
Externa	al finish(l	Munsell N	lo.)			Acrylic pai	nt (5Y 8/1)				
Dimon	sion H x	W v D	mm	630 x 1,0	050 x 220	630 x 1,1	70 x 220	630 x 1,4	110 x 220		
Dimens	SIOII II X	WXD	in.	24-13/16 x 41	-3/8 x 8-11/16	24-13/16 x 46-1/8 x 8-11/16		24-13/16 x 55	-9/16 x 8-11/16		
Net we	ight		kg(lbs.)	23	(51)	25 (56)	26 (58)	30 (67)	32 (71)		
Heat ex	xchangei				(Cross fin (Aluminum pla	ate fin and copper tube)			
	Type x Quantity			Sirocco	fan x 1		Sirocco	fan x 2			
	Airflow	rato	m³/min	5.5	-6.5	7.0-9.0	9.0-11.0	12.0-14.0	12.0-15.5		
Fan	(Lo-Hi)	rate *2	L/s	92-108		117-150	150-183	200-233	200-258		
	(LO-HI)		cfm	194	-230	247-318 318-388		424-494	424-547		
	External sta	atic pressure	Pa	0							
Motor	Type					1-phase inde	uction motor				
IVIOLOI	Output		kW	0.0)15	0.018	0.030	0.035	0.050		
Air filte	r			PP Honeycomb fabric (washable)							
Refrige	erant	Gas (Flare)	mm(in.)			ø12.7 (ø1/2)			ø15.88 (ø5/8)		
pipe di	ameter	Liquid (Flare)	mm(in.)		ø6.35 (ø1/4)						
Field dr	rain pipe	diameter	mm(in.)		I.D.26 (1)	<accessory hose="" o.d.2<="" td=""><td colspan="4">.27 (1-3/32) (top end :20 (13/16))></td></accessory>	.27 (1-3/32) (top end :20 (13/16))>				
Sound pressure level (Lo-Hi) *2 *3 *4 dB(A)			dB(A)	34	-40	35-40	38	-43	40-46		

- *1 Cooling/Heating capacity indicates the maximum value at operation under the following condition. Cooling Indoor: 27°C(81°F)DB/19°C(66°F)WB,Outdoor 35°C(95°F)DB Heating Indoor: 20°C(68°F)DB, Outdoor 7°C(45°F)DB/6°C(43°F)WB
- $^{\star}2$ Air flow rate/Sound pressure level are in (Low-High)
- *4 It is measured in anechoic room.

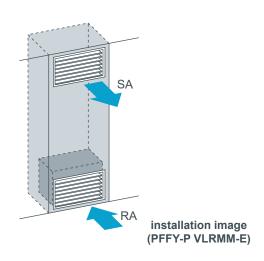
INDOOR UNIT Floor Mounted Concealed Type

PFFY-P VLRMM-E



Neatly installed with pericover concealed. Easy installation in perimeter zone.





Compact unit for easy air conditioning in a perimeter zone

The body is concealed in the pericover to pursue harmony with the interior. The compact body of 220mm(8-11/16in.) in depth can be easily installed in a perimeter zone.

Maximum external static pressure 60Pa (VLRMM model)

The additional external static pressure capacity provides flexibility for duct extension, branching, and air outlet configuration.

This provides a very good option for many residential houses where there is insufficient ceiling spaces for traditional ducted units.

				PFFY-P20VLRM-E	PFFY-P25VLRM-E	PFFY-P32VLRM-E	PFFY-P40VLRM-E	PFFY-P50VLRM-E	PFFY-P63VLRM-E		
Power	source				1-p	hase 220-240V 50Hz	1-phase 208-230V 60	Hz			
		*1	kW	2.2	2.8	3.6	4.5	5.6	7.1		
Cooling	g capacit	y *1	BTU/h	7,500	9,600	12,300	15,400	19,100	24,200		
		*1	kW	2.5	3.2	4.0	5.0	6.3	8.0		
Heating	g capacit	y *1	BTU/h	8,500	10,900	13,600	17,100	21,500	27,300		
Power		Cooling	kW	0.04	/ 0.06	0.06 / 0.07	0.065 / 0.075	0.085 / 0.09	0.1 / 0.11		
consu	mption	Heating	kW	0.04	/ 0.06	0.06 / 0.07	0.065 / 0.075	0.085 / 0.09	0.1 / 0.11		
0		Cooling	Α	0.19	/ 0.25	0.29 / 0.30	0.32 / 0.33	0.40 / 0.41	0.46 / 0.47		
Curren	ıt	Heating	Α	0.19 / 0.25		0.29 / 0.30	0.32 / 0.33	0.40 / 0.41	0.46 / 0.47		
Externa	al finish(N	Munsell N	lo.)			Galvanized	steel plate				
Dimon	sion H x	W v D	mm	639 x 88	36 x 220	639 x 1,0	06 x 220	639 x 1,2	246 x 220		
Dimens	SIOII II X	W X D	in.	25-3/16 x 34-1	5/16 x 8-11/16	25-3/16 x 39-5/8 x 8-11/16		25-3/16 x 49-	1/16 x 8-11/16		
Net we	ight		kg(lbs.)	18.5	(41)	20 (45)	21 (47)	25 (56)	27 (60)		
Heat ex	xchanger	r			(Cross fin (Aluminum pla	ate fin and copper tube)			
	Type x Quautity			Sirocco	fan x 1		Sirocco	fan x 2			
	Airflow	rato *2	m³/min	5.5	-6.5	7.0-9.0	9.0-11.0	12.0-14.0	12.0-15.5		
Fan	(Lo-Hi)	iale	L/s	92-108		117-150	150-183	200-233	200-258		
	(LO-111)		cfm	194	194-230		247-318 318-388		424-547		
	External sta	atic pressure	Pa	0							
Motor	Type				1-phase induction motor						
WOLOI	Output		kW	0.0)15	0.018	0.030	0.035	0.050		
Air filte	r			PP Honeycomb fabric (washable)							
Refrige	erant	Gas (Flare)	mm(in.)			ø12.7 (ø1/2)			ø15.88 (ø5/8)		
pipe di	ameter	Liquid (Flare)	mm(in.)			ø6.35 (ø1/4)			ø9.52 (ø3/8)		
Field dr	rain pipe	diameter	mm(in.)		I.D.26 (1)	<accessory hose="" o.d.2<="" td=""><td>27 (1-3/32) (top end :20</td><td>(13/16))></td><td></td></accessory>	27 (1-3/32) (top end :20	(13/16))>			
Sound (Lo-Hi)	pressure	e level *2 *3 *4	dB(A)	34	-40	35-40	38-	43	40-46		

Notes:

- *1 Cooling/Heating capacity indicates the maximum value at operation under the following condition. Cooling Indoor: 27°C(81°F)DB/19°C(66°F)WB, Outdoor 35°C(95°F)DB Heating Indoor: 20°C(68°F)DB, Outdoor 7°C(45°F)DB/6°C(43°F)WB
- *2 Air flow rate/Sound pressure level are in (Low-High)
- *3 Measured point : 1m x 1m, Power supply : AC240V/50Hz
 · 1dB(A) lower at AC230V/50Hz
 · 2dB(A) lower at AC220V/50Hz
 · 3dB(A) lower at 1.5m x 1.5m point
- *4 It is measured in anechoic room.

Floor mounted 60Pa

				PFFY-P20VLRMM-E	PFFY-P25VLRMM-E	PFFY-P32VLRMM-E	PFFY-P40VLRMM-E	PFFY-P50VLRMM-E	PFFY-P63VLRMM-E			
Power	source			1-phase 220-240V 50Hz / 1-phase 220-240V 60Hz								
0		*1	kW	2.2	2.8	3.6	4.5	5.6	7.1			
Cooling	g capacit	y *1	BTU/h	7,500	9,600	12,300	15,400	19,100	24,200			
Llaatin	it	. *1	kW	2.5	3.2	4.0	5.0	6.3	8.0			
пеаші	g capacit	^y *1	BTU/h	8,500	10,900	13,600	17,100	21,500	27,300			
Power		Cooling	kW	0.	04	0.04	0.05	0.05	0.07			
consu	mption	Heating	kW	0.	04	0.04	0.05	0.05	0.07			
Curren		Cooling	Α	0.	34	0.38	0.43	0.48	0.59			
Curren	ι	Heating	Α	0.	34	0.38	0.43	0.48	0.59			
Externa	al finish(N	Munsell N	lo.)			Galvanized	steel plate					
Dimon	sion H x	W v D	mm	639 x 8	86 x 220	639 x 1,0	* * * * * * * * * * * * * * * * * * * *	639 x 1,	246 x 220			
Dilliens	SIOII II X	WXD	in.	25-3/16 x 34-1	5/16 x 8-11/16	25-3/16 x 39-	5/8 x 8-11/16	25-3/16 x 49-	-1/16 x 8-11/16			
Net we	ight		kg(lbs.)	18.5	(41)	20 (45)	21 (47)	25 (56)	27 (60)			
Heat e	xchanger	r			(Cross fin (Aluminum pla	ate fin and copper tube)				
	Type x 0	Quautity		Sirocco	fan x 1			fan x 2				
	Airflow	rate	m³/min		.5-6.5	6.5-7.5-9.0	8.0-9.5-11.0	10.0-12.0-14.0	11.0-13.0-15.5			
Fan	(Lo-Mid-F		L/s	75-9	2-108	108-125-150	133-158-183	167-200-233	183-217-258			
	(LO-IVIIG-I	")	cfm	159-1	94-230	230-265-318 282-335-388		353-424-494	388-459-547			
	External station	c pressure *2	Pa	20/40/60								
Motor	Туре				DC motor							
IVIOLOI	Output		kW		0.096							
Air filte	r					PP Honeycomb f						
Refrige	erant	Gas	mm(in.)			ø12.7 (ø1/	<u> </u>		ø15.88 (ø5/8) Brazed			
pipe di	ameter	Liquid	mm(in.)			ø6.35 (ø1/	,		ø9.52 (ø3/8) Brazed			
Field di	ain pipe		mm(in.)			<accessory hose="" o.d.2<="" td=""><td>, , , ,</td><td>. ,,</td><td></td></accessory>	, , , ,	. ,,				
Sound	oressure	20Pa	dB(A)	31-3	6-40	27-32-37	30-36-40	32-37-41	35-40-44			
level (Le	o-Mid-Hi)	40Pa	dB(A)	34-3	9-42	30-35-41	32-38-42	35-40-44	36-42-47			
	*3	60Pa	dB(A)	35-4	0-43	32-37-42	3.5-39-44	36-41-45	38-43-48			

- 1 Cooling/Heating capacity indicates the maximum value at operation under the following condition.

 Cooling Indoor: 27°C(81°F)DB/19°C(66°F)WB, Outdoor 35°C(95°F)DB

 Heating Indoor: 20°C(68°F)DB, Outdoor 7°C(45°F)DB/6°C(43°F)WB

 pipe length: 7.5m(24-9/16ft) Height difference: 0m(0ft)
- *2 The external static pressure is set to 20Pa at factory shipment.
- *3 The sound pressure level in operation is measured at 1m apart from the front side and the bottom side of the unit in anechoic room. (Noise meter A-scale value) Connect the duct of 1m in length to the air outlet.



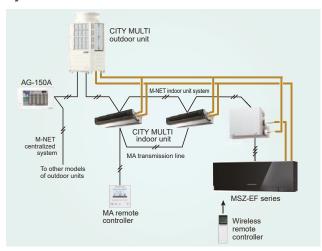
CITY MULTI External LEV Kit for Designer Series, GE and Deluxe High Walls

PAC-LV11M-J

Feature

- Connection between CITY MULTI and Designer Series high walls
- · Wider indoor unit selection options
- · Controllable from MELANS controller
- Compact size 183 x 355 x 142 mm (H x W x D)
- Maximum distance of 15 m between Connection KIT and RAC Indoor unit
- · No need for drain pipe

System Structure



^{*}Refer to the relevant manuals for detailed information and restrictions.

Specifications

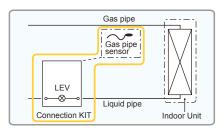
MODEL			PAC-LV11M-J			
Power source			Single / 220-240V / 50Hz			
Connectable nui	mber of indoor uni	1				
External finish			Galvanized steel sheet (No external finish)			
External dimens	ion H × W × D	mm	183 x 355 x 142			
Net weight		kg	3.5			
Refrigerant	Liquid pipe	mm	6.35 Brazed			
piping diameter	Gas pipe	mm	_			
Wiring	To Outdoor unit		2-core shield cable			

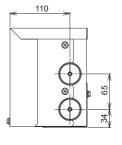
Connectable Models

Outdoor Unit PUHY Series PURY Series	Indoor Unit MSZ-LN Series MSZ-EF Series MSZ-KJ Series	1 1000

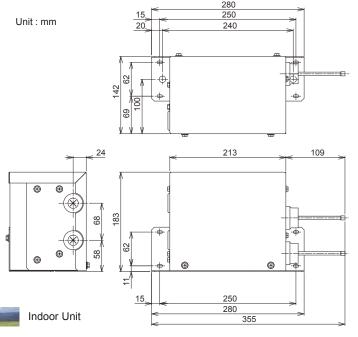
Refrigerant Circuit Diagrams

The gas pipe sensor (packaged, field installed) and the built-in sensor on the RAC units allow for optimum control of the LEV.





External Dimensions



INDOOR UNIT **Wall Mounted Type**



MSZ-LN Black Diamond LN Series and PAC-LV11M-J External LEV Kit*



The Black Diamond LN Series boasts improved energy efficiency with patented Dual Barrier Coating, Plasma Quad Filtration, the advanced 3D i-see Sensor, Dual Split Vanes and the Natural Airflow Function set the benchmark in customised comfort.

Available in three unique reflective colours

Offering a range of stunning colour options: Red Diamond, Black Diamond and White Diamond, the LN Series sets the standard in both style and advanced functionality.

Energy Saving Intelligent Sensor

The 3D i-see sensor detects whether or not there are people in the room, and automatically switches to an energy saving mode selected by the user. The 3D-i-see sensor can recognise movement of an individual in a room and subsequently direct the airflow with the dual split vanes to their position.

Superior Filtration

The Black Diamond LN Series unique dual split vane design allows airflow to be customised to suit different areas of the room by independently directing air upwards, downwards or to the side. This flexibility can also prevent air from striking obstacles or direct air to areas that require additional heating or cooling. Dual Split Vane Airflow provides fast, even and effective heating, while also being a feasible solution in multi-level environments.

► Specifications

			MSZ-LN25VGV/B/R	MSZ-LN35VGV/B/R	MSZ-LN50VGV/B/R				
Power source				Single phase 230 V, 50 Hz					
		kW	2.5	3.5	5.0				
Cooling Capac	ity	BTU/h	8,530	11,942	16,378				
		kW	3.2	4.0	6.0				
Heating Capac	ity	BTU/h	10,918	13,648	20,472				
Power	Cooling	kW	0.020	0.024	0.029				
Consumption	Heating	kW	0.0)29	0.034				
Current	Cooling	Α	0.21	0.23	0.28				
Current	Heating	Α	0.28	0.28	0.33				
External finish			Red Diamo	ond, White Diamond and Blac	k Diamond				
Dimensions (W	/xDxH)	[mm]		890 x 233 x 307					
Net weight		[kg]	15.5						
Heat exchange	er		Cross	fin (Aluminum fin and coppe	r tube)				
	Type x Quantity			Line flow fan x 1					
	Airflow rate Cooling (SLo-SHi)	m³/min	4.3-5.8-7.1-8.8-11.9	4.3-5.8-7.1-8.8-12.8	5.7-7.5-8.8-10.6-13.9				
Fan	Airflow rate Heating(SLo-SHi)	m³/min	4.0-5.7-7.1-8.5-14.4	4.3-5.7-7.1-8.5-13.7	5.4-6.4-8.5-10.7-15.7				
	External static pressure	Pa							
Fan Motor	Туре		RC0J30 -	DC motor	RC0J40 - DC motor				
Fan Motor	Current	Α	0.21 / 0.28	0.23/0.28	0.28/0.33				
Air filter				Plasma Quad Filter					
Refrigerant	Gas (flare)	mm		9.52					
pipe diameter	Liquid (flare)	mm		6.35					
Field drain pipe	e diameter			I.D. 16mm					
Sound pressur (SLo-Lo-Mid-H		dBA	19-23-29-36-42	19-24-29-36-43	27-31-35-39-46				
Sound pressur (SLo-Lo-Mid-H		dBA	19-24-29-36-45	19-24-29-36-45	25-29-34-39-47				

INDOOR UNIT Wall Mounted Type



MSZ-EF Designer Series and PAC-LV11M-J External LEV Kit*

An exceptional combination of energy efficiency and award winning design, the Designer Series will appeal to those with even the most discerning style.

Three Colours Available

The Designer Series has a slimline profile, and a flat panel facade. Available in glossy white, matte silver or rich black diamond, the Designer Series will suit any application. The Designer Series is an unobtrusive, efficient, and safe heating source which allows you to make the most of valuable floor space.

Superior Filtration

Equipped with a nano-platinum filter which is both antibacterial and deodorising, the filter ensures increased dust catchment and superior air cleaning.

► Specifications

			MSZ-EF25VE2W/B/S	MSZ-EF35VE2W/B/S	MSZ-EF42VE2W/B/S	MSZ-EF50VE2W/B/S					
Power source				Single phase 230 V, 50 Hz							
0 1: 0		kW	2.5 3.5 4.2			5					
Cooling Capac	ity	BTU/h	8,530	11,942	14,330	17,060					
	14	kW	3.2	4	5.4	5.8					
Heating Capac	alty	BTU/h	10,918	13,648	18,425	19,790					
Power	Cooling	kW		0.014		0.018					
Consumption	Heating	kW	0.027	0.0	031	0.034					
Current	Cooling	Α	0.14	0.14	0.14	0.18					
Current	Heating	Α	0.26	0.3	0.3	0.32					
External finish				Classic White, Matte	Silver, Glossy Black						
Dimensions (V	/xDxH)	[mm]		895 x 19							
Net weight		[kg]	11.5								
Heat exchange	er			Cross fin (Aluminum	fin and copper tube)						
	Type x Quantity			Line flow	y fan x 1						
	Airflow rate Cooling (SLo-SHi)	m³/min	4.0-4.6-6.	3-8.3-10.5	5.8-6.6-7.7-8.9-10.3	5.5-6.8-7.9-9.3-11					
Fan	Airflow rate Heating(SLo-SHi)	m³/min	4.0-4.6-6.2-8.9-11.9	4.0-4.6-6.2-8.9-12.7	5.5-6.3-7.8-9.9-12.7	6.4-7.3-9-11.1-13.7					
	External static pressure	Pa		N	N/A						
Fan Matan	Туре			RC0J50 -	DC motor						
Fan Motor	Current	Α	0.14/0.26	0.14/0.30	0.14/0.30	0.18/0.32					
Air filter				Nano P	latinum						
Refrigerant	Gas (flare)	mm		9.52		12.7					
pipe diameter	Liquid (flare)	mm		6.	35						
Field drain pipe	e diameter			I.D. 1	5mm						
Sound pressur (SLo-Lo-Mid-H	e level Cooling i-Shi)	dBA	21-23-29-36-42	21-24-29-36-42	28-31-35-39-42	30-33-36-40-43					
Sound pressur (SLo-Lo-Mid-H	e level Heating i-Shi)	dBA	21-24-29-37-45	21-24-30-38-46	28-30-35-41-48	30-33-37-43-49					

INDOOR UNIT Floor Mounted Type

MFZ-KJ RapidHeat Series and PAC-LV11M-J External LEV Kit*



RapidHeat Floor Consoles are the perfect solution for unobtrusive heating at floor level. New advanced sensors with Intuitive Control Logic Technology offer unparalleled low temperature heating performance in the shortest amount of time, all while maintaining maximum energy efficiency.

RapidHeat Technology

Advanced sensors coupled with Intuitive Control Logic mean optimal running temperatures are reached in the shortest amount of time possible with maximum energy efficiency. Automatically activated at start up in low temperature conditions when Two-Way Airflow is selected, warm air is blown in a downward direction first before the air is returned back into the indoor unit where it is reheated a second time

Multi Vane Flow - Even Heat Distribution

The Multi Vane Flow function blows warm air in both an upward and downward direction providing fast, even and effective heating whilst also reducing draughts. This is achieved via three uniquely shaped vanes that are designed for better airflow control and also provide the freedom to be customised to your preference.

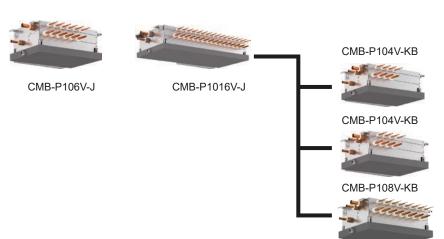
► Specifications

			MFZ-KJ25VE	MFZ-KJ35VE	MFZ-KJ50VE				
Power source			Single phase 230 V, 50 Hz						
0 11 0	.,	kW	2.5	5.0					
Cooling Capac	city	BTU/h	8,530	16,378					
Heating Capac	nit.	kW	3.4	5.8					
neating Capac	city	BTU/h	11,604	14,672	19,790				
Power	Cooling	kW	0.0	13	0.021				
Consumption	Heating	kW	0.0	0.038					
Current	Cooling	Α	0.	14	0.20				
Current	Heating	Α	0.	17	0.34				
External finish				White					
Dimensions (V	VxDxH)	[mm]		750 x 215 x 600					
Net weight		[kg]	15.0						
Heat exchange	er		Cross	fin (Aluminum fin and coppe	er tube)				
	Type x Quantity			Line flow fan x 1					
	Airflow rate Cooling (SLo-SHi)	m³/min	m³/min 3.9-4.9-5.9-7.1-8.2		5.6-6.7-8.0-9.3-10.6				
Fan	Airflow rate Heating(SLo-SHi)	m³/min	3.9-5.1-6	.2-7.7-9.7	6.0-7.4-9.4-11.6-14.0				
	External static pressure	Pa	N/A						
Fan Matan	Туре			RC0J50 - DC motor					
Fan Motor	Current	Α	0.14	0.17	0.020 / 0.34				
Air filter				Nano Platinum Filter					
Refrigerant	Gas (flare)	mm	9.:	52	12.70				
pipe diameter	Liquid (flare)	mm		6.35					
Field drain pip	e diameter			O.D. 16mm					
Sound pressur (SLo-Lo-Mid-H	re level Cooling Hi-Shi)	dBA	20-25-3	27-31-35-39-44					
Sound pressur (SLo-Lo-Mid-H	re level Heating Ii-Shi)	dBA	19-25-3	0-35-41	29-35-40-45-50				



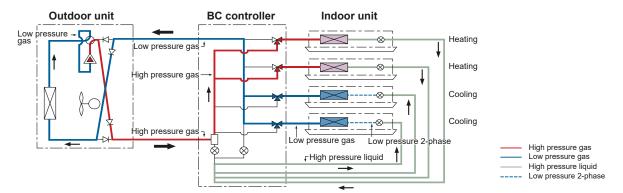
BC CONTROLLER

CMB-P-V-J CMB-P-V-JA CMB-P-V-KA CMB-P-V-KB1



BC CONTROLLER

In many ways, the BC Controller is the technological heart of the CITY MULTI R2/WR2. It works in unison with the outdoor unit to provide simultaneous cooling and heating, something no other two-pipe system can do. The BC Controller is connected to the outdoor unit by two pipes and to each indoor unit by a series of two refrigerant pipes, depending on the indoor unit count. The BC Controller is required for all CITY MULTI R2-Series installations. It comes in 4, 6, 8, 12, and 16-branch options. The BC Controller you select depends on how many indoor units will be operated from each outdoor unit and your total capacity requirements.



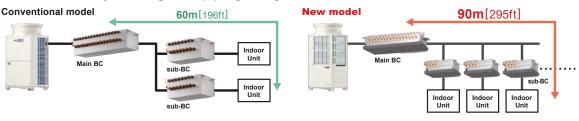
1 Sub-BC controller connections increased

Only two sub-BC controllers could be connected to a main BC controller in previous models. Up to 11 sub-BC controllers can now be connected to the new BC controller, allowing for more flexibility in system design.

The line-branching method enables the creation of system designs that use less refrigerant.



2 Greater flexibility in refrigerant piping design



The piping length from the main BC controller to indoor units has been increased from 60m[196ft] to 90m[295ft], providing greater flexibility in piping design.

*Sub-BC controllers should be used when piping length is 60m[196ft.] or more.

Model					CMB-P1	04V-J	CMB-P106\	/-J	CMB-P108V-J	CM	B-P1012V-J	CMB-P1016V-J		
Number of					4		6		8		12	16		
Power sour	rce								-phase 220-230-24					
Power inpu	ıt		50Hz	Cooling	0.067/0.07		0.097/0.110/0		0.127/0.144/0.16		6/0.211/0.236	0.246/0.279/0.312		
		kW	00112	Heating	0.030/0.03		0.045/0.051/0		0.060/0.068/0.07		0/0.102/0.114	0.119/0.135/0.151		
		"	60Hz	Cooling	0.054/0.06		0.078/0.088/0		0.102/0.115/0.12		0/0.168/0.186	0.198/0.222/0.246		
				Heating	0.024/0.02		0.036/0.041/0		0.048/0.054/0.06		2/0.081/0.090	0.096/0.108/0.119		
Current			50Hz	Cooling			0.45/0.48/0		0.58/0.63/0.68		35/0.92/0.99	1.12/1.22/1.30		
		A		Heating	0.14/0.1		0.21/0.23/0		0.28/0.30/0.32		12/0.44/0.48	0.55/0.59/0.63		
			60Hz	Cooling	0.25/0.2		0.36/0.39/0		0.47/0.50/0.53 0.22/0.24/0.25		69/0.74/0.78	0.90/0.97/1.03		
Futamal fin	i a la			Heating	0.11/0.12		0.17/0.18/0.				33/0.36/0.38	0.44/0.47/0.50		
External fin						Galvanized steel plate (Lower part drain pan: Pre-coated galvanized sheets + powder coating) Model P80 or smaller								
Indoor unit	e to 1 brancl	h		*12		Model P80 or smaller (Use optional joint pipe combing 2 branches when the total unit capacity exceeds P81.)								
	e outdoor/he		co unit		(Use optional joint pipe combing 2 branches when the total unit capacity exceeds P81.) P200 to P350									
Height	c outdoornic	at 30ui	mm	capacity					246					
Width		mm					596		2.0		911	1,135		
Depth		mm					495				011	639		
	To outdoor/	/heat						Со	nnectable unit car	pacity				
piping source unit						P200			P250/P300			P350*13		
diameter			press.	oipe	1:	5.88 (5/8) Bra	zed		19.05 (3/4) Braze	ed	19.05 (3/4) I	Brazed or 22.2 (7/8) Brazed		
		Low press. pipe				9.05 (3/4) Bra			22.2 (7/8) Braze			.58 (1-1/8) Brazed		
	To indoor	Liquid						0 or smaller	6.35 (1/4) Brazec	bigger than 50	9.52 (3/8) Bra	zed		
	unit	Gas	pipe			Inc	door unit Model 5	0 or smaller	12.7 (1/2) Brazed	bigger than 50	15.88 (5/8) Bra	azed		
						Indoor unit Model 50 or smaller 12.7 (1/2) Brazed bigger than 50 15.88 (5/8) Brazed (19.05 (3/4), 22.2(7/8) with optional joint pipe used.)								
Drain pipe	-		mm (ir	٦.)			•		O.D. 32 (1-1/4)					
Net weight			kg (lb:	s)	23 (5	1)	27 (60)		31 (69)		46 (102)	56 (124)		
Sound power	level	dB <a>		operation			56(When P200	Outdoor/He	at source unit is c	onnected),57(F	P250),59(P350)			
	anechoic room)	UD VA	Defros			71 38(When P200 Outdoor/Heat source unit is connected),39(P250),40(P350)								
Sound pressu		dB <a>		operation			38(When P200	Outdoor/He		onnected),39(F	P250),40(P350)			
	anechoic room)	UD VA	Defros	st					53					
Accessorie	S							Drain Con	nection pipe, Was	her, Tie band				
Model					(CMB-P108V-	JA		CMB-P1012V-J	Δ.	C	MB-P1016V-JA		
Number of	branch					8			12			16		
Power sour	rce							1-	-phase 220-230-24	40 V				
Power inpu	ıt		50Hz Cooling		0	.127/0.144/0.	161		0.186/0.211/0.23	6	0.	.246/0.279/0.312		
		L\\\	50HZ	Heating					0.090/0.102/0.11	4	0	.119/0.135/0.151		
		kW	6047	Cooling	0.102/0.115/0				0.150/0.168/0.186		0.198/0.222/0.246 0.096/0.108/0.119			
			60Hz Heating		0	.048/0.054/0.		0.072/0.081/0.090						
Current			50Hz	Cooling	0.58/0.63/0.68			0.85/0.92/0.99				1.12/1.22/1.30		
		A	001.12	Heating		0.28/0.30/0.3		0.42/0.44/0.48				0.55/0.59/0.63		
		'`	60Hz	Cooling		0.47/0.50/0.5		0.69/0.74/0.78			0.90/0.97/1.03			
				Heating		0.22/0.24/0.2		0.33/0.36/0.38 0.44/0.47/0.50 (Lower part drain pan: Pre-coated galvanized sheets + powder coating)						
External fin		4 - 1-1 -	4- 4 6											
	capacity conne				IVI	odel Pou or s	mailer (Use oplic	mai joint pipe	P200 to P900	nes when the t	otal unit capaci	lly exceeds Pol.)		
	e outdoor/he	at sour							246					
Height Width			mm mm			911			240	1.1	135			
Depth			mm			311			639	1,1	133			
	To outdoor/	/heat						Co	nnectable unit car	nacity				
piping	source unit				P200	P250/P300	P350*13	P400 to P50		P600*13	P650	P700 to P800 P850 to P900		
diameter	oouroo um				15.88 (5/8)	19.05 (3/4)		22.2 (7/8)				· · · · · · · · · · · · · · · · · · ·		
		High	press. p	oipe	Brazed	Brazed	or 22.2 (7/8) Brazed	Brazed	or 28.58 (1-	1/8) Brazed		.58 (1-1/8) Brazed		
		Lowr	oress. p	ine	19.05 (3/4)	22.2 (7/8)	1 ''	.58 (1-1/8) Bi	rozod	28.58 (1-1/8) Brazed		34.93 (1-3/8) 41.28 (1-5/8)		
		<u> </u>		ipe	Brazed	Brazed		, ,		or 34.93 (1-3/8) Brazed		Brazed Brazed		
	To indoor	Liquio							6.35 (1/4) Brazed					
	unit	Gas			Indoor unit Mo	del 50 or sma	aller 12.7 (1/2) Bra				(3/4), 22.2 (7/8)	with optional joint pipe used.)		
	To other B0	contr	oller		4- D000	D004 to D00	0 D004 to D050		n-stream Indoor ι		D054 to D000	D004 to D4000 D4004 on the con-		
					to P200							P801 to P1000 P1001 or above		
			press.		15.88 (5/8) Brazed 19.05 (3/4) Brazed		3/4) Brazed		7/8) Brazed 1-1/8) Brazed	20.	.58 (1-1/8) Braz			
			oress. p	ipe					15.88 (5/8	2) Prozod	34.93 (1-3/8) Brazed			
Droin =:= -		Liquid	pipe	- \	9.52 (3/8) Brazed	12.7 (1/2) brazed			19	9.05 (3/4) Brazed		
Drain pipe		-	mm (ir			45 (100)			O.D. 32 (1-1/4) 56 (124)			63 (139)		
Net weight			kg (lb:	operation			When P250 Out	door/Heat co		cted) 65/D450)	68(P700) 60/F			
Sound power level		1	Nated											
				74 n 44(When P250 Outdoor/Heat source unit is connected).47(P450).50(P700).51(P900)										
(measured in	anechoic room)	dB <a>	Defros			4.4.	(Mhon P250 Out	door/Heat as		ctod) 47/D450\	50/D700) 51/D	2000)		
(measured in a	anechoic room) re level	dB <a>	Defros Rated	operation		44	(When P250 Out	door/Heat so	urce unit is conne	cted),47(P450)	,50(P700),51(F	2900)		
(measured in a	anechoic room) re level anechoic room)	1	Defros	operation		44	(When P250 Outo	·		,, (,	,50(P700),51(F	2900)		

★ Combination chart of BC Controller for R2 series (YNW)

	P200-P350	P400-P900	
CMB-P VJ	✓	N/A	N/A
CMB-P V-JA	✓	✓	N/A
CMB-P V-KA	/	/	1
CMB-P V-KB (Sub)	CMB-P10	8/1012/1016V-JA, CMB-P	1016V-KA

Madal					CMD D4640V//A							
Model Number of	branch				CMB-P1016V-KA 16							
Number of Power sour					1-phase 220-230-240 V							
Power sour Power inpu				Cooling	0.246/0.279/0.312							
rowei ilipu	ıı		50Hz	Heating	0.119/0.135/0.151							
		kW	<u> </u>	Cooling	0.198/0.222/0.246							
			60Hz	Heating	0.1960/.222/0.240 0.096/0.108/0.119							
Current				Cooling	1.12/1.22/1.30							
Junelli			50Hz	Heating	0.55/0.59/0.63							
		Α		Cooling	0.90/0.97/1.03							
			60Hz	Heating	0.90/0.977.05							
External fin	ish			ı ıcaıııy	Galvanized steel plate (Lower part drain pan: Pre-coated galvanized sheets + powder coating)							
	apacity conne	ectable	to 1 hra	nch *12	Model P80 or smaller (Use optional joint pipe combing 2 branches when the total unit capacity exceeds P81.)							
	number of conf				-							
	m connectable											
	e outdoor/he				P200 to P1100							
	le Main BC											
Height			mm		246							
Width			mm		1,135							
Depth			mm		639							
Refrigerant	To outdoor/	heat			Connectable unit capacity							
piping	source unit				P200 P250/P300 P350 *13 P400 to P500 P550 *13 P600 *13 P650 P700 to P800 P850 to P1000 P1050 to P1100							
diameter		Lliab .	nroce	nino	15.88 (5/8) 19.05 (3/4) 19.05 (3/4) Brazed 22.2 (7/8) 22.2 (7/8) Brazed 28.58 (1.1/8) Brazed 38.58 (1.1/8) Brazed 34.93 (1-3/8)							
		nigh	press.	pipe	Brazed Brazed or 222 (7/8) Brazed Brazed or 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed Brazed Brazed							
		1 0111	oroco =	nino	19.05 (3/4) 22.2 (7/8) 28.58 (1-1/8) Brazed 28.58 (1-1/8) 34.93 (1-3/8) 41.28(1-5/8) Brazed							
		Low b	oress. p	ihe	Brazed Brazed 20.50 (1-1/0) Blazed 0r 34,33 (1-3/0) Brazed Brazed Brazed 41.20 (1-5/0) Blazed							
	To indoor	Liquic	pipe		Indoor unit Model 50 or smaller 6.35 (1/4) Brazed bigger than 50 9.52 (3/8) Brazed							
	unit	Gas p	nine		Indoor unit Model 50 or smaller 12.7 (1/2) Brazed bigger than 50 15.88 (5/8) Brazed							
		<u> </u>			(19.05 (3/4), 22.2 (7/8) with optional joint pipe used.)							
	To other BC	contr	oller		Total down-stream Indoor unit capacity							
					to P200 P201 to P300 P301 to P350 P351 to P400 P401 to P600 P601 to P650 P651 to P800 P801 to P1000 P1001 or above							
			press.		15.88 (5/8) Brazed 19.05 (3/4) Brazed 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed (34.93 (1-3/8)							
			oress. p	пре	19.05 (3/4) Brazed 22.2 (7/8) Brazed 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed 34.93 (1-3/8) Brazed 41.28(1-5/8)							
		Liquic	d pipe		9.52 (3/8) Brazed 12.7 (1/2) Brazed 15.88 (5/8) Brazed 19.05 (3/4) Brazed							
Drain pipe			mm (ii		O.D. 32 (1-1/4)							
Net weight Sound power I	lovol	-	kg (lb		65 (144) 56(When P300 Outdoor/Heat source unit is connected),61(P550),63(P800),66(P1100)							
	ievei anechoic room)	dB <a>	Defro	operation								
Sound pressur		-			73 38/\l/\l/\text{App D300 Outdoor/Heat source unit is connected} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \							
	re ievei anechoic room)	dB <a>	Defro	operation	38(When P300 Outdoor/Heat source unit is connected),43(P550),45(P800),48(P1100) 55							
Accessorie:			Delio	ο ι	Drain Connection pipe, Washer, Tie band							
	3											
Model					CMB-P104V-KB *14*15							
Number of					4 1 phase 220 230 240 V							
Power sour				0	1-phase 220-230-240 V 0.060/0.068/0.076							
Power inpu	ıı		50Hz	Cooling								
		kW	<u> </u>	Heating	0.030/0.034/0.038 0.048/0.054/0.060							
			60Hz	Cooling	0.048/0.054/0.000							
Current			_	Heating Cooling	0.024/0.027/0.030							
Junelli			50Hz	Heating	0.14/0.15/0.16							
		Α	<u> </u>	Cooling	0.14/0.15/0.16							
			60Hz	Heating	0.11/0.12/0.13							
External fin	ieh			ı ıcalılığ	Galvanized steel plate (Lower part drain pan: Pre-coated galvanized sheets + powder coating)							
	number of conf	nectable	Sub RC	controllers	Galvanized steer plate (Lower part drain part Pre-coated galvanized sheets + powder coating)							
	m connectable				P350 for each							
	le Main BC o			acoi unito	CMB-P108/1012/1016V-JA, CMB-P1016V-KA							
Height			mm		246							
Width			mm		596							
Depth			mm		495							
	To outdoor/	heat										
piping	source unit				-							
diameter			press.	pipe								
			ress. p									
	To indoor		d pipe		Indoor unit Model 50 or smaller 6.35 (1/4) Brazed bigger than 50 9.52 (3/8) Brazed							
	unit	Gas p			Indoor unit Model 50 or smaller 12.7 (1/2) Brazed bigger than 50 15.88 (5/8) Brazed							
			•		(19.05 (3/4), 22.2 (7/8) with optional joint pipe used.)							
	To other BC	contr	oller		Total down-stream Indoor unit capacity							
					to P200 P201 to P300 P301 to P350 P351 to P400 P401 to P600 P601 to P650 P651 to P800 P801 to P1000 P1001 or above							
	High press. pipe				15.88 (5/8) Brazed 19.05 (3/4) Brazed 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed 34.93 (1-3/8) Brazed 44.05 (8/4) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6)) Brazed 29.5 (4.4 (6))							
Low press. pipe				пре	19.05 (3/4) Brazed 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed 34.93 (1-3/8) Brazed 41.28(1-5/8) Brazed 41.28(1-5/8) Brazed							
Liquid pipe					9.52 (3/8) Brazed 12.7 (1/2) Brazed 15.88 (5/8) Brazed 19.05 (3/4) Brazed							
Drain pipe		-	mm (ii		O.D. 32 (1-1/4)							
Net weight		-	kg (lb		21 (47)							
Sound power I		dB <a>		operation	56(When P200 Outdoor/Heat source unit is connected),57(P250),59(P350)							
	anechoic room)	-	Defro		71 20(Mhan P200 Outdood lest source with a connected) 20(P250) 40(P250)							
Sound pressur		dB <a>		operation	38(When P200 Outdoor/Heat source unit is connected),39(P250),40(P350)							
	anechoic room)		Defro	51	53 Proin Connection pine Weeher Tie hand							
Accessorie	5				Drain Connection pipe, Washer, Tie band							

- Installation/foundation work, electrical connection work, insulation work, power source switch, and other items shall be referred to the Installation Manual.
 The equipment is for R410A refrigerant.
 Install this product in a location where noise (refrigerant noise) emitted by the unit will not disturb the neighbors. (For use in quiet environments with low background noise, position the BC CONTROLLER at
- least 5m away from any indoor units.)

 4. Sound pressure/power level differs depending on the connected outdoor/heat source unit capacity or operation condition.
- The sound pressure/power level at the rated operation is the value of the cooling mode.

 The sound pressure/power level values were obtained in an anechoic room. Actual sound pressure level is usually greater than that measured in anechoic room due to ambient noise and deflection sound.
- 6. The sound pressure level values were obtained at the location below 1.5m from the unit.

- 7. The solenoid valve switching sound is 56 dB regardless of the unit model.
 8. Indoor units P100, P125, P140 can be connected to 1 branch. (In this case, cooling capacity decreases a little.)
- Refrigerant piping diameter for connection of plural indoor units with 1 branch shall be referred to the Installation Manual.
- reterred to the Installation Manual.

 10.This unit is not designed for outside installations.

 11. When brazing the pipes, be sure to braze, after covering a wet cloth to the insulation pipes of the units in order to prevent it from burning and shrinking by heat.

 *12 Indoor unit capacity connectable to 1 branch is changed depending on the indoor unit type and connection method. Please refer to the Installation Manual for more information.

- and connection method. Please refer to the Installation Manual for more information.

 *13 For the refrigerant pipe size, refer to Installation Manual of outdoor units/heat source units.

 *14 When brazing the pipes, be sure to braze, after covering a wet cloth to the insulation pipes of the units in order to prevent it from burning and shrinking by heat.

 *15 Can't use singleness. (MAIN BC CONTROLLER is necessary)

Model								C	MB-P108V-KI	В		
Number of I	branch								8			
Power sour	ce							1-ph	ase 220-230-2	40 V		
Power input	t		50Hz	Cooling				0.	119/0.135/0.15	51		
		1.347	SUHZ	Heating		0.060/0.068/0.076						
		kW	0011-	Cooling				0.	096/0.108/0.11	19		
			60Hz	Heating				0.	048/0.054/0.06	60		
Current			5011-	Cooling		0.55/0.59/0.63						
			50Hz	Heating					0.28/0.30/0.32			
		Α	0011-	Cooling					0.44/0.47/0.50			
			60HZ	Cooling Heating					0.22/0.24/0.25			
External fini						Galvanise	ed steel plate (le	ower part drain	pan: Pre-coate	ed galvanised s	heets + powder coa	ating)
The maximum	The maximum number of connectable Sub BC controllers								11			
The maximur	n connectable	capaci	ity of inc	door units					P350 for each			
Connectable	e Main BC o	ontrolle	er				(CMB-P108/1012		MB-P1016V-K/	4	
Height			mm						246			
Width			mm		596							
Depth			mm			495						
Refrigerant	To outdoor/							-				
piping	source unit							-				
diameter		High press. pipe						-				
			Low press. pipe		Index unit Model 50 or appellant 0.25 (4/4) Proposition 50 0.52 (2/0) Proposition							
	To indoor	Liquid	Liquid pipe		Indoor unit Model 50 or smaller 6.35 (1/4) Brazed bigger than 50 9.52 (3/8) Brazed							
	unit	Gas p	ipe		Indoor unit Model 50 or smaller 12.7 (1/2) Brazed bigger than 50 15.88 (5/8) Brazed (19.05 (3/4), 22.2 (7/8) with optional joint pipe used.)							
	To other BC	contr	oller		(19.05 (3/4), 22.2 (7/8) with optional joint pipe used.) Total down-stream Indoor unit capacity							
	10 other bo	COILLI	oliei		to P200	D201 to D300	D301 to D350				D651 to D800 D80	01 to P1000 P1001 or above
		High r	oress.	nino	15.88 (5/8) Brazed		4) Brazed	22.2 (7/8)			.58 (1-1/8) Brazed	34.93 (1-3/8) Brazed
			ress. p		19.05 (3/4) Brazed			28.58 (1-1/			34.93 (1-3/8) Brazed	41.28 (1-5/8) Brazed
		Liquid		лрс	9.52 (3/8		12.7 (1/2			8) Brazed		(3/4) Brazed
Drain pipe			mm (ir	n)	0.02 (0/0) Bruzeu	12.7 (1/2		O.D. 32 (1-1/4)		10.00	(O/4) Bluzed
Net weight			ka (lb						28 (62)			
Sound power l	evel			operation			56(When P200	Outdoor/Heat s		nected) 57/P2	50 59(P350)	
(measured in a		dB <a>	Defro				00(111101111 200	O dita o di i i i i i i i i i i i i i i i i i	71		00,00(1 000)	
Sound pressur				operation			38(When P200	Outdoor/Heat s	source unit con	nected) 39(P2	50 40(P350)	
(measured in a		dB <a>	Defro				, 200	2	53		22, .3(. 000)	
Accessories	/			-				Drain Connec	tion pipe, Was	her Tie band		
, 10003301163								Diani Connec	pipo, was	, no band		

- 1. Installation/foundation work, electrical connection work, insulation work, power source switch,
- 1. Installation/foundation work, electrical connection work, insulation work, power source switch, and other items shall be referred to the Installation Manual.
 2. The equipment is for R410A refrigerant.
 3. Install this product in a location where noise (refrigerant noise) emitted by the unit will not disturb the neighbors.

 (For use in quiet environments with low background noise, position the BC CONTROLLER at
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 4. Sound pressure/power level differs depending on the connected outdoor/heat source unit capacity or operation condition.

 The sound pressure/power level at the rated operation is the value of the cooling mode.
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 9. Refrigerant piping diameter for connection of plural indoor units with 1 branch shall be referred to the Installation Manual.

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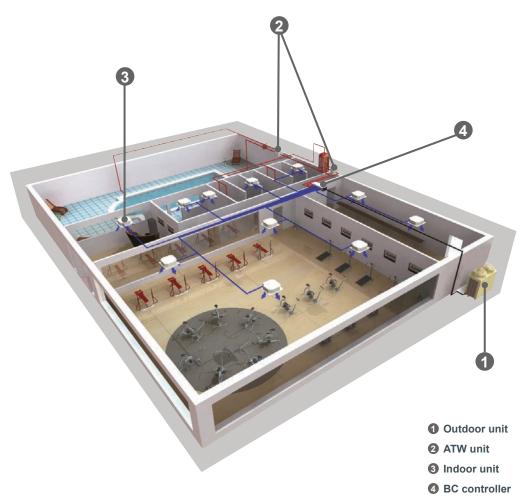
- *13 For the refrigerant pipe size, refer to Installation Manual of outdoor units/heat source units.
 *14 When brazing the pipes, be sure to braze, after covering a wet cloth to the insulation pipes of the units in order to prevent it from burning and shrinking by heat.
- *15 Can't use singleness. (MAIN BC CONTROLLER is necessary)

PWFY-P100VM-E-BU PWFY-EP100VM-E1-AU PWFY-P200VM-E1-AU

Air To Water advanced system explained.

Air To Water (ATW) series offers the choice between two types of units; a Booster unit and a HEX (Heat Exchanger) unit. A Booster unit offers hot water to a maximum of 70°C and the HEX unit offers 40°C in heating and down to 10°C in cooling. Applying heat pump and heat recovery technology to provide hot water, the units are suitable for residences, office buildings, restaurants or hotels, providing an optimal environment while benefiting from reduced running costs and less impact on the environment.

An ATW system consists of an outdoor unit, a BC controller when connected with R2 series, ATW unit, indoor unit and a controller.



Line Up

1 ATW UNIT

BOOSTER UNIT

Benefiting from the heat recovery operation of the CITY MULTI R2 system, the Booster unit converts energy from the air to higher temperatures suitable for supplying hot water, resulting in virtually no energy waste.



Connectable to

CITY MULTI R2/WR2 series REPLACE MULTI R2 series

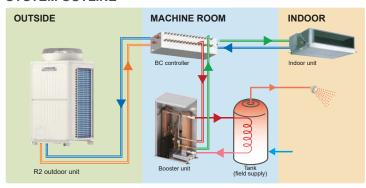
Applications

best for sanitary water, showers, etc.

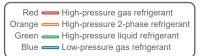
Operation

up to 70°C

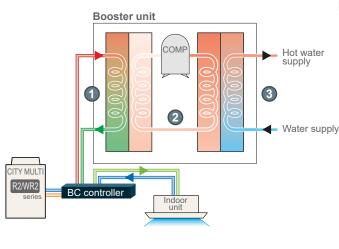
SYSTEM OUTLINE



The Booster unit is connected to a BC controller with refrigerant pipes, and to the water tank with water pipes. The waste heat from cooling operation is utilised for heating operation to provide hot water.



What makes Booster unit unique?



Red High-pressure gas refrigerant
Orange High-pressure 2-phase refrigerant
Green High-pressure liquid refrigerant
Blue Low-pressure gas refrigerant

Refrigerant flow

- 1 From the BC controller, high pressure R410A gas refrigerant is delivered to the Booster unit to exchange heat with the low pressure R134a liquid refrigerant circulating through ② and returns to the BC controller as a high pressure liquid refrigerant.
- 2 Refrigerant R134a circulates inside the two plate heat exchangers inside the unit.

Temperature rises as low-pressure R134a gas refrigerant is compressed by the compressor and becomes high-pressure gas refrigerant.

Water supply

Water entering the Booster unit exchanges heat with high-pressure R134a gas refrigerant. The hot water circulates to heat the water inside the tank which will be used for showers, sanitary water, etc.

Indoor Unit

HEX UNIT

By utilising waste heat from the R2 outdoor unit for heating operation in the HEX unit, it is possible to supply hot water with high efficiency. Also, even when connected with a Y series system, it provides efficient operation compared to a conventional system.

Connectable to

CITY MULTI R2/WR2/ Y/WY/ZUBADAN series S series **REPLACE MULTI** R2/Y series

Applications

best for floor heating, panel heater, fan-coil unit(AHU), etc.

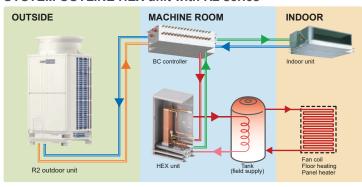
Operation

hot water up to 45°C cold water down to 8°C



PWFY-EP100VM-E1-AU PWFY-P200VM-E1-AU

SYSTEM OUTLINE HEX unit with R2 series



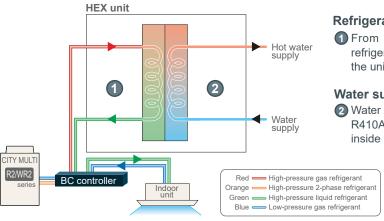
The HEX unit is connected to BC controller with refrigerant pipes, and to the water tank with water pipes. The HEX unit is not equipped with a compressor.



- *The image is a system example in case of heating mode.
- *The necessity of the tank depends on the system configuration.

What makes HEX unit unique with R2/WR2 series?

Hot water supply



Refrigerant flow

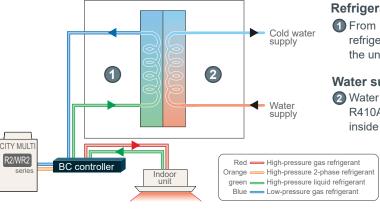
1 From the BC controller, high-pressure R410A gas refrigerant is delivered to the HEX unit and returns to the unit as high-pressure liquid refrigerant.

Water supply

2 Water entering the HEX unit exchanges heat with the R410A refrigerant and water circulates to heat the water

Cold water supply

HEX unit



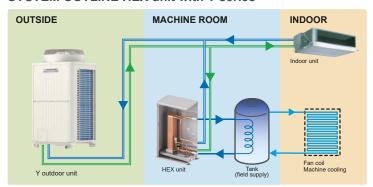
Refrigerant flow

1 From the BC controller, high-pressure R410A liquid refrigerant is delivered to the HEX unit and returns to the unit as low-pressure gas refrigerant.

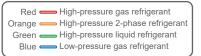
Water supply

2 Water entering the HEX unit exchanges heat with the R410A refrigerant and water circulates to cool the water

SYSTEM OUTLINE HEX unit with Y series

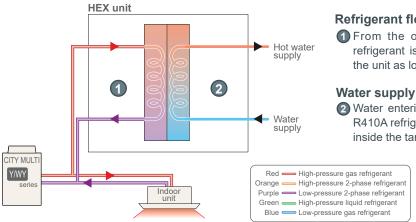


The HEX unit is connected to the Y series outdoor unit with refrigerant pipes, and to the water tank with water pipes. The HEX unit is not equipped with a compressor.

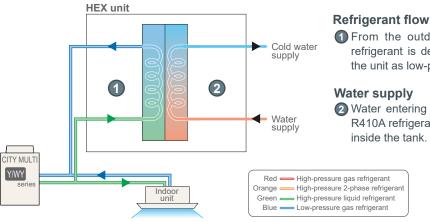


What makes HEX unit unique with Y/WY series?

Hot water supply



Cold water supply



Refrigerant flow

1 From the outdoor unit, high-pressure R410A gas refrigerant is delivered to the HEX unit and returns to the unit as low-pressure 2-phase refrigerant.

2 Water entering the HEX unit exchanges heat with the R410A refrigerant and water circulates to heat the water inside the tank.

1 From the outdoor unit, high-pressure R410A liquid refrigerant is delivered to the HEX unit and returns to the unit as low-pressure gas refrigerant.

Water entering the HEX unit exchanges heat with the R410A refrigerant and water circulates to cool the water inside the tank.

ATW UNIT HEX Unit

PWFY-EP100VM-E1-AU





► Specifications

Model			PWFY-EP100VM-E1-AU		
Power source			1 - phase 220 - 230 - 240V 50 / 60Hz		
Heating capacity (Nominal) *1 kW		kW	12.5		
3 1 7 7		kcal / h	10,800		
	*1	BTU / h	42,700		
	Power input	kW	0.015		
	Current input	Α	0.068 - 0.065 - 0.063		
Temp. range of heating	Outdoor temp.	W.B.	-20 ~ 32°C (-4 ~ 90°F) R2 - series		
·····p······g········g	for outdoor unit	W.B.	-20 ~ 15.5°C (-4 ~ 60°F) Y - series		
		W.B.	-25 ~ 15.5°C (-13 ~ 60°F) HP (ZUBADAN) - series		
	Circulating Water temp.	-	10 ~ 45°C (50 ~ 113°F) WR2 - series		
	for heat source unit	-	10 ~ 45°C (50 ~ 113°F) WY - series		
	Inlet Water temp. for PWFY	-	10 ~ 40°C (50~104°F) R2/Y/HP (ZUBADAN) /WR2/WY -series		
Cooling capacity (Nominal)	<u> </u>	kW	11.2		
cooming dapasity (14011milat)	_	kcal / h	9,600		
		BTU / h	38,200		
	Power input	kW	0.015		
	Current input	Α	0.068 - 0.065 - 0.063		
Temp. range of cooling	Outdoor temp.	D.B.	-5 ~ 46°C (23 ~ 115°F) R2 - series		
Terrip: range or cooming	for outdoor unit	D.B.	-5 ~ 46°C (23 ~ 115°F) Y - series		
	lo. outdoor arm	D.B.	-5 ~ 43°C (23 ~ 110°F) HP (ZUBADAN) - series		
	Circulating Water temp.	-	10 ~ 45°C (50 ~ 113°F) WR2 - series		
	for heat source unit	_	10 ~ 45°C (50 ~ 113°F) WY - series		
	Inlet Water temp. for PWFY	_	10 ~ 35°C (50 ~ 95°F)		
Connectable outdoor unit/	Total capacity		50~100% of outdoor/heat source unit capacity		
heat source unit Model / Quantity			PUHY-P•Y(S)KB-A1(-BS), PUHY-EP•Y(S)LM-A(-BS), PUHY-HP•Y(S)HM-A(-BS),		
near source unit	Woder / Quartity		PQHY-P•Y(S)HM-A, PURY-(E)P•Y(S)LM-A(-10-5), PQRY-P•Y(S)HM-A		
Sound pressure level (mea	sured in anechoic room)	dB <a>	29		
Diameter of refrigerant pipe		mm (in.)	ø9.52 (ø3/8") Brazed		
Blamoter of reingerant pipe	Gas	mm (in.)	ø15.88 (ø5/8") Brazed		
Diameter of water pipe	Inlet	mm (in.)	PT1 Screw (PT3/4 Screw without Expansion joint)		
Blameter of water pipe	Outlet	mm (in.)	PT1 Screw (PT3/4 Screw without Expansion joint)		
Field drain pipe size	Odtiet	mm (in.)	g32 (1-1/4")		
External finish		111111 (111.)	NO		
External dimension H × W	x D	mm	800 (785 without legs) × 450 × 300		
External dimension (1 × W	^ 0	in.	31-1/2" (30-15/16" without legs) × 17-3/4" × 11-13/16"		
Net weight		kg (lbs)	33 (73)		
Circulating water Operation Volume Range			1.8 ~ 4.30		
Design pressure	R410A	MPa	4.15		
Dough pressure	Water	MPa	1.00		
Drawing	External		WKJ94T340		
Diawilly	Wiring		WKE94C951		
Standard attachment	Document		Installation Manual, Instruction Book		
Standard attachment	Accessory		,,		
Ontional parta	Accessory		Strainer, Heat insulation material, Expansion joint, Flow switch × 1 set, Buffer material		
Optional parts			Solenoid valve kit: PAC-SV01PW-E Details on foundation work, duct work, insulation work, electrical wiring, power source		
Remark	Remark		, , , , , , , , , , , , , , , , , , , ,		
			switch, and other items shall be referred to the Installation Manual.		

*1Nominal heating conditions (PWFY conditions are indicated in the parentheses.) Note:

<Y/HP(ZUBADAN)/R2-series>

<WY/WR2-series>

Outdoor Temp. : 7°CDB/6°CWB (45°FDB / 43°FWB) Pipe length: 7.5 m (24-9/16 ft) Level difference: 0m (0ft)

Circulating water Temp. : 20°C (68°F)
Pipe length : 7.5 m (24-9/16 ft)
Level difference : 0m (0ft)

(Inlet water Temp. 30°C, Water flow rate 4.30m³/h)

(Inlet water Temp. for PWFY side 30°C, Water flow rate 4.30m³/h)

*2Nominal cooling conditions (PWFY conditions are indicated in the parentheses.)

<Y/HP(ZUBADAN)/R2-series> Outdoor Temp.: 35°CDB (95°FDB) Pipe length: 7.5 m (24-9/16 ft) <WY/WR2-series> Circulating water Temp. : 30°C (86°F)
Pipe length : 7.5 m (24-9/16 ft)

Level difference : 0m (0ft)

Level difference : 0m (0ft)

(Inlet water Temp. 23°C, Water flow rate 3.86m3/h)

(Inlet water Temp. for PWFY side 23°C, Water flow rate 3.86m³/h)

* Due to continuing improvement, the above specifications may be subject to change without notice.

* The unit is not designed for outside installations.

* Please don't use the steel material for the water piping material.
* Please always make water circulate or add the brine to the circulation water when the ambient temperature becomes 0°C or less.

* Please always make water circulate or pull out the circulation water completely when not using it.

* Please do not use ground water and well water.
* Install the outdoor unit (R2-series) in an environment where the wet bulb Temp. will not exceed 32°C.

* The water circuit must use the closed circuit.

Unit converter

kcal / h =kW × 860 BTU / h =kW × 3,412 cfm =m³ / min × 35.31 =kg / 0.4536 lbs

* The specification data is subject to rounding variation.



^{*} Please do not use it as a drinking water.

ATW UNIT HEX Unit

PWFY-P200VM-E1-AU





► Specifications

Power source Heating capacity	*4		1-phase 220-230-240V 50 / 60Hz		
	*1		1-phase 220-230-240 V 30 / 00112		
Heating capacity	*1 kW		25.0		
Heating capacity	*1	kcal/h	21.500		
	*1	BTU/h	85,300		
(Nominal)	Power input	kW	0.015		
<u> </u>	Current input	A	0.068-0.063		
	Ourient input	W.B.	0.000=0.003		
		W.B.	-20~15.5°C (-4~60°F) Y - series		
	Outdoor unit/	W.B.	-20~15.5 C (-4~60 F) T - series -25~15.5 °C (-13~60 °F) HP(ZUBADAN) - series		
	Heat source unit	W.B.	-20~32°C (-4~90°F) R2 - series		
Temp. range of	condition	VV.D.	10~45°C (50~113°F) WY - series		
heating					
		-	10~45°C (50~113°F) WR2 - series		
	HEX unit inlet water temp.	-	10~40°C (50~104°F)		
•	*2	kW	22.4		
0 1	*2	kcal/h	19,300		
Cooling capacity	*2	BTU/h	76,400		
(Nominal)	Power input	kW	0.015		
	Current input	Α	0.068-0.065-0.063		
		D.B.	-5~46°C (23~115°F) Y - series		
	Outdoor unit/	D.B.	-5~43°C (23~110°F) HP(ZUBADAN) - series		
Temp. range of	Heat source unit	D.B.	-5~43°C (23~110°F) HP(ZUBADAN) - series		
cooling	condition	-	-5~46 C (23~115 F) K2 - series 10~45°C (50~113°F) WY - series		
Cooling	Condition	_	10~45°C (50~113°F) WR2 - series		
-	HEX unit inlet water temp.	-	10~45 C (50~115 T) WK2~Series		
	Total capacity		50~100% of outdoor unit/heat source unit capacity		
Connectable outdoor	Total capacity		Y (Standard, Hi-COP), Replace Y,		
	Model / Quantity		HP(ZUBADAN) series, R2 (Standard, Hi-COP),		
unit/fleat source unit	Woder / Quartity		Replace R2, WY series, WR2 series		
Sound pressure level (mea		dB <a>	Replace R2, WT Series, WR2 Series		
'	Liquid	mm(in.)	ø9.52 (ø3/8") Brazed		
· -	Gas	, ,	ø3.32 (ø3/ð) Brazed ø19.05 (ø3/ð") Brazed		
F-F	Inlet	mm(in.)	PT 1 Screw		
		. ,			
1. 1	Outlet	mm(in.)	PT 1 Screw		
Field drain pipe size		mm(in.)	ø32 (1-1/4")		
External finish			NO		
External dimension H	× W × D	mm	800 (785 without legs) × 450 × 300		
		in.	31-1/2" (30-15/16" without legs) × 17-3/4" × 11-13/16"		
Net weight		kg(lbs)	38 (84)		
	Operation Volume Range	m³/h	1.8~4.30		
Design pressure	R410A	MPa	4.15		
200.gii prododio	Water	MPa	1.00		
Drawing	External		KD94R274		
	Wiring		WKE94C626		
	Document		Installation Manual, Instruction Book		
			Strainer, Connecter, Heat insulation material,		
Standard attachment 1	Accessory		2 × Connector sets, Expansion joint,		
Standard attachment			Flow switch × 1 set, wire		
Standard attachment			1 low switch * 1 set, whe		
Optional parts			Solenoid valve kit: PAC-SV01PW-E		
			·		

Notes:

**1 Nominal heating conditions <\$\text{S/Y/HP(ZUBADAN)/R2-series}\$ Outdoor Temp.: 7°CDB/6°CWB (45°FDB / 43°FWB) Pipe length: 7.5 m (24-9/16 ft) Level difference: 0m (0ft) Inlet water Temp 30°C Water flow rate 2.15m³/h(P100), 4.30m³/h(P200)

*2 Nominal cooling conditions

2 Northinal cooling containers

2Y/HP(ZUBADAN)/R2-series>

Outdoor Temp.: 35°CB (95°FDB)

Pipe length: 7.5 m (24-9/16 ft)

Level difference: 0m (0ft)

Inlet water Temp 23°C Water flow rate 1.93m³/h(P100), 3.86m³/h(P200)

<WY/WR2-series>
Circulating water Temp.: 20°C (68°F)
Pipe length: 7.5 m (24-9/16 ft)
Level difference: 0m (0ft)
Inlet water Temp 30°C
Water flow rate 2.15m³/h(P100), 4.30m³/h(P200)

<WY/WR2-series>

Circulating water Temp. : 30°C (86°F) Pipe length : 7.5 m (24-9/16 ft) Level difference : 0m (0ft) Inlet water Temp 23°C

Water flow rate 1.93m³/h(P100), 3.86m³/h(P200)

- * Due to continuing improvement, the above specifications may be subject to change without notice.

 * The unit is not designed for outside installations.

 * Please don't use the steel material for the water piping material.

- * Please always make water circulate or add the brine to the circulation water when the ambient temperature becomes 0°C (32°F) or less.

 * Please always make water circulate or pull out the circulation water completely when not using it.

 * Please do not use groundwater and well water.

 * Install the unit in an environment where the wet bulb Temp. will not exceed 32°C (90°F).

- * The water circuit must use the closed circuit.

 * Please do not use it as a drinking water.

ATW UNIT Booster Unit

PWFY-P100VM-E-BU





► Specifications

Model			PWFY-P100VM-E-BU		
Power source			1-phase 220-230-240V 50 / 60Hz		
	*1 kW		12.5		
	*1	kcal/h	10,800		
Heating capacity	*1	BTU/h	42,700		
(Nominal)	Power input	kW	2.48		
	Current input	Α	11.63-11.12-10.66		
- ,	Outdoor unit/Heat	W.B.	-20~32°C (-4~90°F) R2-series		
Temp. range of	source unit condition	-	10~45°C (50~113°F) WR2-series		
heating	Booster unit inlet water temp		10~70°C (50~158°F)		
Connectable outdoor	Total capacity		50~100% of outdoor unit/heat source unit capacity		
unit/heat source unit	Model / Quantity		R2 (Standard, Hi-COP), Replace R2, WR2 series only		
Sound pressure level (mea	asured in anechoic room)	dB <a>	44		
Diameter of refrigerant	Liquid	mm(in.)	ø9.52 (ø3/8") Brazed		
pipe	Gas	mm(in.)	ø15.88 (ø5/8") Brazed		
Diameter of water	Inlet	mm(in.)	PT3/4 Screw		
pipe	Outlet	mm(in.)	PT3/4 Screw		
Field drain pipe size		mm(in.)	ø32 (1-1/4")		
External finish		. ,	NO		
		mm	800 (785 without legs) × 450 × 300		
Evternal dimension H x W x D		in.	31-1/2" (30-15/16" without legs) × 17-3/4" × 11-13/16"		
Net weight		kg(lbs)	60 (133)		
riot iroigiit	Туре		Inverter rotary hermetic compressor		
	Maker		MITSUBISHI ELECTRIC CORPORATION		
Compressor	Starting method		Inverter		
	Motor output	kW	1.0		
	Lubricant		NEO22		
		m³/h	0.6~2.15		
	High pressure protection		High pressure sensor, High pressure switch at 3.60 MPa (601 psi)		
Protection on internal	Inverter circuit (COMP)		Over - heat protection, Over - current protection		
circuit (R134a)	Compressor		Discharge thermo protection, Over - current protection		
	Type × original charge *2		R134a × 1.1kg (0.50lb)		
Refrigerant	Control		LEV		
	R410A	MPa	4.15		
Design pressure	R134a	MPa	3.60		
zooigii procodio	Water	MPa	1.00		
Drawing	External		WKB94L762		
	Wiring		WKE94C229		
	Document		Installation Manual, Instruction Book		
Standard attachment	Accessory		Strainer, Heat insulation material, 2 × Connector sets		
Optional parts			NONE		
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.		

Notes:

*1 Nominal heating conditions

Outdoor Temp. : 7°CDB/6°CWB (45°FDB / 43°FWB)

Pipe length : 7.5 m (24-9/16 ft) Level difference : 0m (0ft)

Inlet water Temp 65°C Water flow rate 2.15m³/h

<WR2-series>

Circulating water Temp. : 20°C (68°F)
Pipe length : 7.5 m (24-9/16 ft)
Level difference : 0m (0ft)

Inlet water Temp 65°C Water flow rate 2.15m3/h

- *2 Do not use refrigerant other than the type indicated in the manuals provided with the unit and on the nameplate.
 - Doing so may cause the unit or pipes to burst, or result in explosion or fire during use, during repair, or at the time of disposal of the unit.
 - It may also be in violation of applicable laws.
 - MITSUBISHI ELECTRIC CORPORATION cannot be held responsible for malfunctions or accidents resulting from the use of the wrong type of refrigerant.
- * Due to continuing improvement, the above specifications may be subject to change without notice.
- * The unit is not designed for outside installations.
- * Please always make water circulate or add the brine to the circulation water when the ambient temperature becomes 0°C (32°F) or less.
- * Please always make water circulate or pull out the circulation water completely when not using it.
- * Please do not use groundwater and well water.
 * Install the unit in an environment where the wet bulb Temp. will not exceed 32°C (90°F).
- * The water circuit must use the closed circuit.
- * Please do not use it as a drinking water.



Controller Remote Controller PAR-W21MAA

Awarene native: ||Filtring | 40 mg | 60 mg | ||Filtring | 60 mg | 60 mg | ||Filtring | 60 mg | 60 mg | ||Filtring | 60 mg | 60 mg | ||Filtring | 60 mg | 60 mg | ||Filtring | 60 mg | 60 mg | ||Filtring | 60 mg | 60 mg | ||Filtring | 60 mg | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring | 60 mg | ||Filtring |

► Specifications

	O:E	ach group >	: Not available
Item	Description	Operations	Display
ON / OFF	Runs and stops the operation of a group of units	0	0
	Switches between Hot Water / Heating / Heating ECO / Anti - freeze / Cooling		
Operation mode switching	* Available operation modes vary depending on the unit to be connected.	0	0
	* Switching limit setting can be made via a remote controller.		
	Temperature can be set within the ranges below. (in increments of 1°C or 1°F)		
	Heating 30°C ~ 50°C		
	Heating ECO 30°C ~ 45°C		
Water temperature setting	Hot Water 30°C ~ 70°C	0	0
	Anti-freeze 10°C ~ 45°C		
	Cooling 10°C ~ 30°C		
	* The settable range varies depending on the unit to be connected.		
Preset temperature range limit	Preset temperature range setting can be limited via a remote controller.	0	0
	10°C ~ 90°C		
Water temperature display	(in increments of 1°C or 1°F)		0
	* The settable range varies depending on the unit to be connected.		
	Individually prohibits operations of each local remote control function : ON / OFF,		
Permit / Prohibit local operation	Operation modes, water temperature setting, Circulating water replacement warning reset.	×	0
	* Upper level controller may not be connected depending on the unit to be connected.		
Och data an anti-	ON / OFF / Water temperature setting can be done up to 6 times one day in the week.		
Schedule operation	(in increments of a minute)	0	0
Error display	When an error is currently occurring on a unit, the afflicted unit and the error code are displayed.	×	0
Self check (Error history)	Searches the latest error history by pressing the CHECK button twice.	0	0
To at access	Enables the Test run mode by pressing the TEST button twice.		
Test run	* Test run mode is not available depending on the unit to be connected.	0	0
	Displays the circulating water replacement warning via the unit message.		
Circulating water replacement warning	Clears the display by pressing the CIR.WATER button twice.	0	0
	* Circulating water replacement warning is not available depending on the unit to be connected.		
	Remote controller operation can be locked or unlocked.		
Operation locking function	· All-switch locking	0	0
	Locking except ON / OFF switch		

Optional Parts Solenoid Valve Kit

Note

If you intend to adopt PWFY-AU with below system configuration, you may need to use optional part (PAC-SV01PW-E). Please contact your Mitsubishi Electric sales office for details.

Applicable System

System Configuration
Y, HP(ZUBADAN), Replace Y, or WY* + PWFY-AU + Indoor Unit

^{*}Solenoid valve kit will be used only when operating the WY at the water temperature below 10°C.

PAC-SV01PW-E

Item			Description		
Power source			1-phase 220-230-240V 50 / 60Hz		
Diameter of	Applicable models		PWFY-P100VM-E1-AU	PWFY-P200VM-E1-AU	
refrigerant pipe	Liquid	mm (in.)	ø15.88	ø19.05	
remgerant pipe	Gas	mm (in.)	ø9.52	ø9.52	
External dimension F	I × W × D mm in.		462 × 320 × 207		
External dimension r			18-1/4" × 12-5/8" × 8-3/16"		
Net weight kg (lbs)		kg (lbs)	8.5 (19)		
Drawing	External		WKD94T532		
Standard attachment	Document		Installation Manual		
	Accessory		Specification label, Refrigerant conn.pipe		





H ot Water Heat Pumps

QAHV - CO₂ Air Source

- CAHV - Air Source

- CRHV - Ground Source

QAHV Hot Water Heat Pump Series

As a leading manufacturer of air-to-water heat pumps, Mitsubishi Electric have developed QAHV; the latest innovation in their comprehensive lineup of Hot Water Heat Pump products. QAHV has been specifically designed to produce high volume hot water and is suitable for commercial and industrial applications where hot water demand is high. By adopting Mitsubishi Electric's unique technology, QAHV ensures highly reliable performance as well as high heating capacity even at low outdoor temperatures.

Ideal Applications

- ✓ Gyms
- ✓ Hotels
- ✓ Motels
- ✓ Aged Care Facilities
- ✓ Schools
- Universities

Main Features of QAHV

- Utilises natural refrigerant (CO₂)
- High efficiency (Achieved COP 3.88*)
- Supplies high temperature hot water of up to 90°C
- Operable even at low outdoor temperature of -25°C

Increased Energy Savings

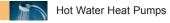
Unique to Mitsubishi Electric, QAHV utilises a twisted and spiral gas cooler. Using twisted pipes as water pipes and running the refrigerant pipes along their grooves helps to increase the heat-conductive area; allowing for better heat transfer and an impressive COP of 3.88*. The continuous spiral groove design accelerates the turbulence effect of water and helps to reduce pressure loss within the heat exchanger, enhancing efficiency. Equipped with the latest inverter scroll compressor, QAHV offers unparalleled efficiency when compared to fixed speed systems.

Superior Heating Performance in Low Temperatures

QAHV is able to provide its full heating capacity of 40kW even at ambient temperatures as low as -3°C. Furthermore, the unit operates to supply 90°C hot water in ambient temperatures as low as -25°C. This superior level of performance is achieved using Mitsubishi Electric's industry-first Flash Injection Circuit which provides the optimum amount of refrigerant to the system via a compressor through a specially designed injection port, ensuring highly stable operation.

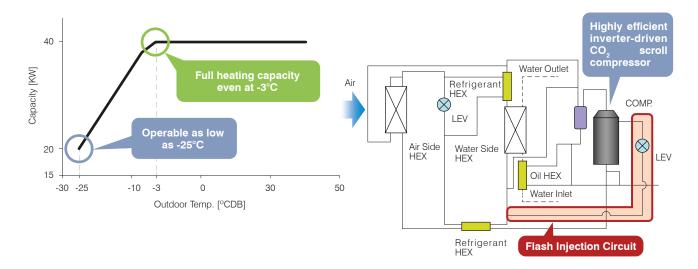
Why is CO₂ Refrigerant Used?

QAHV adopts CO2 (R744) as it is an environmentally-friendly, natural refrigerant which has zero Ozone Depletion Potential (ODP) and has a Global Warming Potential (GWP) of 1.

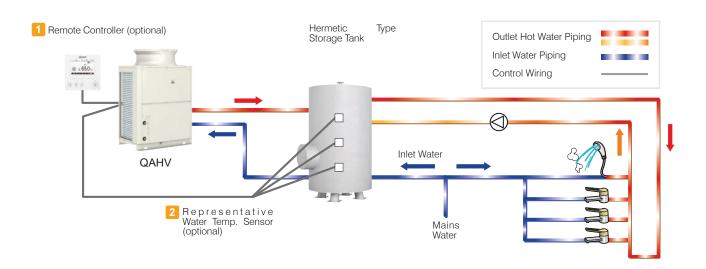


^{*}Under normal heating conditions at outdoor temp:16°CDB/12°CWB, inlet water temp 17°C, outlet water temp 65°C

Stable Heating Capacity Even at Low Temperatures



QAHV System Schematic Image



Mitsubishi Electric Patented Twisted and Spiral Gas Cooler



Twisted water pipe with the refrigerant pipe spiralled around it



Cut section detail

нот

Using twist pipes as water pipes and running the refrigerant pipes along their grooves helps to increase the heat-conductive area, allowing for better heat transfer.

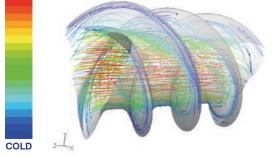


Illustration showing water flow and water temperature distribution



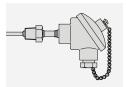


			QAHV-N560YA-HPB	
Power Source		3-phase 4-wire 380-400-415V 50Hz		
		kW	40	
		Btu/h	136480	
Capacity *1	Power Input	kW	10.31	
	Current Input	Α	17.8-16.9-16.3	
	COP(kW/kW)		3.88	
		kW	40	
		Btu/h	136480	
Capacity *2	Power Input	kW	10.97	
	Current Input	Α	20.0-19.0-18.3	
	COP(kW/kW)		3.65	
		kW	40	
		Btu/h	136480	
Capacity *3	Power Input	kW	11.6	
	Current Input	Α	20.4-19.4-18.7	
	COP(kW/kW)	7.	3.44	
Maximum Current In	,	Α	28.8-27.4-26.4	
Allowable External P	'	,,	77kPa	
Allowabic External I	Outlet Water Temp		55–90°C	
Temperature Range	Outdoor Temp	D.B.	-25~43°C	
Sound Pressure Lev	el (measured 1m below the unit	dB(A)	56	
	Inlet	mm(in.)	19.05(Rc 3/4"), screw pipe	
Water Pipe Diameter and Type	Outlet	mm(in.)	19.05(Rc 3/4"), screw pipe	
External Finish	Cullet	11111(111.)	Acrylic painted steel plate <munsell 1="" 5y="" 8="" or="" similar=""></munsell>	
External Dimension	H x W x D	mm	1837(1777 not including legs) x 1220 x 760	
Net Weight		kg(lbs)	400(882)	
. tot rro.g.n.	R744	MPa	14	
Design Pressure	Water	MPa	0.5	
	Water-side	IVII Q	Copper tube coil	
Heat Exchanger	Air-side		Plate fin and copper tube	
	Туре		Inverter scroll hermetic compressor	
	Maker		MITSUBISHI ELECTRIC CORPORATION	
Compressor	Motor Output	kW	11.0	
	Case Heater	kW	0.045	
	Odse Hediei	m3/min	220	
	Air Flow Rate	L/s	3666	
FAN	Type x Quantity	L/S	Propeller fan	
FAIN	Control, Driving Mechanism		Inverter-control, Direct-driven by motor	
		kW	· · · · · · · · · · · · · · · · · · ·	
LIC (LIC: Lost inter	Motor Output	KVV	0.92	
HIC (HIC: Heat inter-changer) Circuit			Copper pipe High pres.Sensor & High pres.	
	High Pressure Protection		Switch at 14MPa(643psi)	
Protection	Inverter Circuit		Overheat and overcurrent protection	
	Compressor		Overheat protection	
	Fan Motor		Thermal switch	
Defrosting Method			Auto-defrost mode (Hot gas)	
Refrigerant	Type x Original Charge		CO ₂ (R744) 6.5kg	

OAHV NEEDVA HDB

Optional Parts





Remote Controller PAR-W31MAA-J

Representative Water Temperature Sensor TW-TH16-E

Notes:

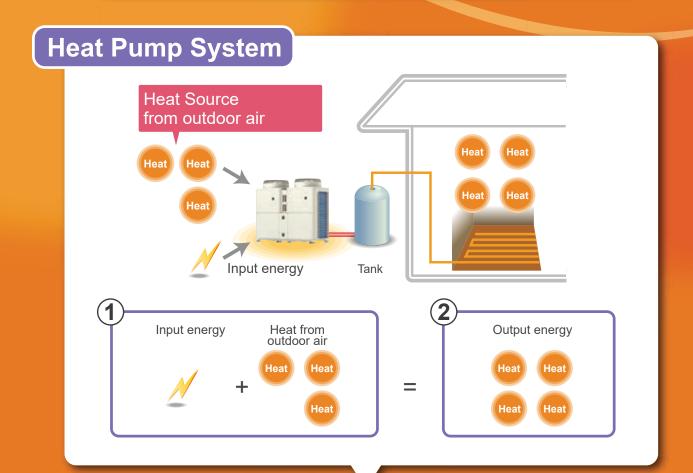
- *1.Under Normal heating conditions at the outdoor temp, 16°CDB/12°CWB(60.8°FDB/53.6°FWB), the outlet water temperature 65°C(149°F), and the inlet water temperature 17°C(62.6°F)
- *2.Under Normal heating conditions at the outdoor temp, $7^{\circ}\text{CDB/6°CWB}(44.6^{\circ}\text{FDB/42.8°FWB})$, the outlet water temperature 65°C(149°F), and the inlet water temperature 9°C(48.2°F)
- *3.Under Normal heating conditions at the outdoor temp, 7°CDB/6°CWB(44.6°FDB/42.8°FWB), the outlet water temperature 65°C(149°F), and the inlet water temperature 15°C(59.0°F)
- *4.Under Normal heating conditions at the outdoor temp, 7°CDB/6°CWB(44.6°FDB/42.8°FWB), when the unit is set to the "Capacity Priority" mode through the dry NC-contact.
- *Due to continuing improvements, specifications may be subject to change without notice
- *Do not use steel pipes as water pipes.
- *Keep the water circulated at all times. Blow the water out of the pipes if the unit will not be used for an extended period
- *Do not use ground water or well water
- *Do not install the unit in an environment where the wet bulb temperature exceeds 32°C
- *The water circuit must use the closed circuit
- *There is a possibility that the unit may abnormally stop when it operates outside its operating range. Provide backup (ex. boiler start with error display output signal (blue CN511 1-3)) for abnormal stop.

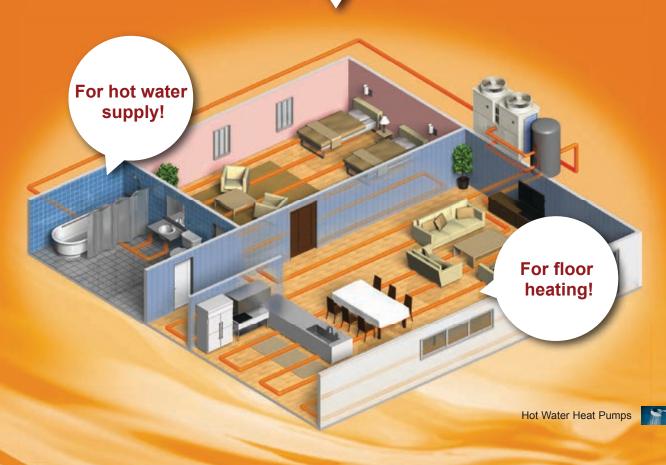
UNIT CONVERTER

 $BTU/h = kW \times 3,412$ lbs = kg/0.4536

Air Source Heat Pump

CAHV-P500YB-HPB





O°C High temperature

COP Over 4*

*COP 4.13

Outdoor temp.: 7°C DB/ 6°C WB Outlet water temp.: 35°C

A "Flash Injection Circuit," which is designed for our ZUBADAN CITY MULTI air conditioning system for cold regions, is incorporated in our new hot water heat pump. Through utilizing this advanced "Flash Injection Circuit" and the latest high-efficiency compressor, the hot water heat pump is able to provide hot water of 70°C with the use of R407C and with better retention of capacity at low outdoor temperatures.

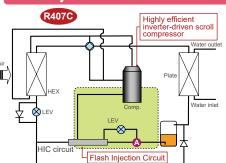
Built-in inverter-driven scroll compressor



Flash Injection Circuit

Backup

function



High performance even at low outdoor temp

Two-phase refrigerant is separated into liquid refrigerant and gas refrigerant at the point of A.

Liquid refrigerant, whose pressure is reduced by the linear expansion valve (LEV), exchanges heat in the HIC circuit and become gas-liquid two-phase refrigerant. This two-phase refrigerant flows into the injection port in the compressor for controlling the increase of the discharge temperature. Therefore the optimal amount of refrigerant can be provided to the system via the compressor, which makes it possible to provide hot water of 70 °C.

Backup function

Rotation function

The hot water heat pump ensures an exceptionally high level of reliability through a backup function.* If either of the compressors malfunctions, the other compressor maintains operation to avoid a complete stop of the system.

A rotation function is also available. When two or more units are in the system, the unit runs alternately, ensuring an optimum product lifecycle for both component units.

*If the main circuit board malfunctions, the backup function and rotation function are not available.

*Capacity drops by 50%.

Rotation Compressors **function** alternately

Depending on settings, the rotation function is available

Operable even at

The hot water heat pump can be operated at outdoor temp. between -20°C and 40°C.

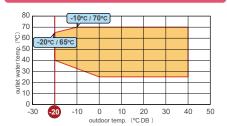
It delivers precise comfort even on the coldest days of the year.

Wide variety of external input/output

Various system configurations are available.

- · Two external output for backup heater
- · Analog input to control capacity
- · Defrost signal
- * Refer to the Data Book for other functions.

Range of operation temperature and outlet water temperature



During defrosting, two compressors, which are equipped within one unit, run alternately resulting in less drop in outlet water temperature

PCI External static pressure

Ducting can be connected to the inlet or outlet of the outdoor unit. Either "60 Pa" or "0 Pa" can be selected. * The factory setting is "0 Pa."

JPPOrt for open network

With the CRHV model, now allowing connection of an IT terminal, the connection to the open network is now possible.

It will allow energy monitoring for the entire building including air conditioners and other electric appliances.

It is also possible to control the water temperature and capacity of the CRHV model.

Low sound pressure level

Lower sound pressure levels have been achieved thanks to the development of a new fan.

*Based on theoretical calculations for a distance of

ther features

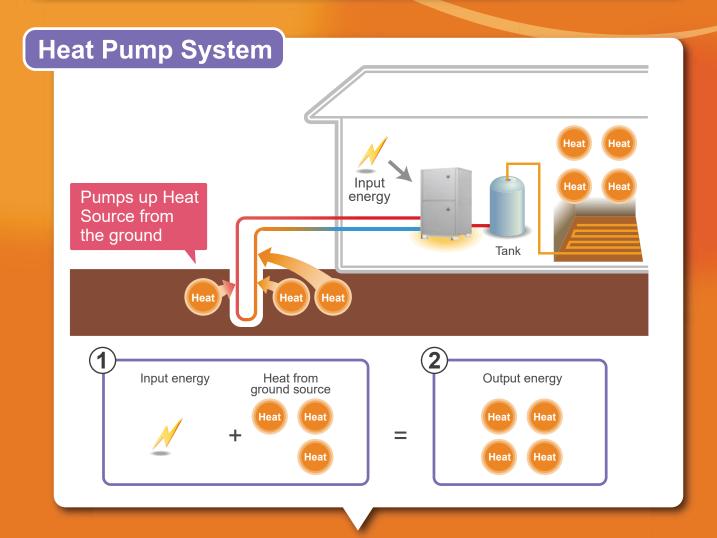
· The system is equipped with "Efficiency Priority Mode" and "Capacity Priority Mode." "Capacity Priority Mode" is more effective when used with a boiler because the boiler's fuel cost and CO₂ emissions can be reduced.



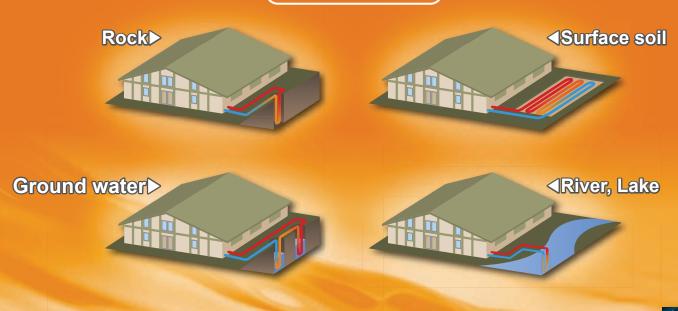
Hot Water Heat Pumps

Ground Source Heat Pump

CRHV-P600YA-HPB

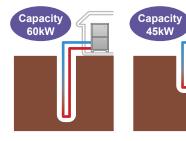


Heat Sources



Support for system renewal

Since the CRHV model is inverter-controlled, the unit-side capacity can be adjusted to suit the existing bore hole heat quantity (demand control).



65°C High temperature

SCOP Over 4*

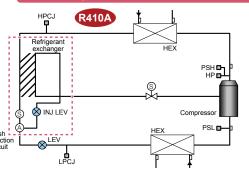
*SCOP 4.33
Brine outlet temp.: -3°C
Outlet water temp.: 35°C

A "Flash Injection Circuit," which is designed for our ZUBADAN CITY MULTI air conditioning system for cold regions, is incorporated in our new hot water heat pump. Through utilizing this advanced "Flash Injection Circuit" and the latest high-efficiency compressor, the hot water heat pump is able to provide hot water of 65°C with the use of R410A, and with better retention of capacity at low outdoor temperatures.









High performance even at low water temp.

Two-phase refrigerant is separated into liquid refrigerant and gas refrigerant at the point of $\widehat{\mathbb{A}}$.

Liquid refrigerant, whose pressure is reduced by the linear expansion valve (LEV), exchanges heat in the HIC circuit and become gas-liquid two-phase refrigerant. This two-phase refrigerant flows into the injection port in the compressor for controlling the increase of the discharge temperature. Therefore the optimal amount of refrigerant can be provided to the system via the compressor, which makes it possible to provide hot water of 65 °C.

Backup function

Rotation function

The hot water heat pump ensures an exceptionally high level of reliability through a backup function.* If either of the compressors malfunctions, the other compressor maintains operation to avoid a complete stop of the system.

A rotation function is also available. When two or more units are in the system, the unit runs alternately, ensuring an optimum product lifecycle for both component units.

*If the main circuit board malfunctions, the backup function and rotation function are not available. *Capacity drops by 50%.











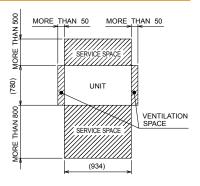


Depending on settings, the rotation function is available for units.

Small space

A smaller footprint has been achieved through developing a new highly efficient heat exchanger with low pressure loss. Installation footprint of 0.73m^{2*}

*Installation footprint for one unit without service space.

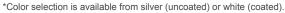


A coated

model is also available.

Selection is available from uncoated (standard) and coated specifications.





*Additional charge is necessary for the coated type.

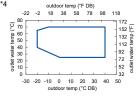


Hot Water Heat Pumps

Specifications

Model			CAHV-P500YB-HPB
Power Source			3-phase 4-wire 380-400-415V 50/60Hz
Capacity *1		kW	45
		kcal/h	38,700
		BTU/h	153,540
	Power input	kW	12.9
	Current input	A	21.78 - 20.69 - 19.94
	COP (kW / kW)		3.49
Capacity *2	COI (KVV / KVV)	kW	45
Sapacity 2		kcal/h	
			38,700
	· .	BTU/h	153,540
	Power input	kW	25.6
	Current input	A	43.17 - 41.01 - 39.53
	COP (kW / kW)		1.76
Seasonal space heating energy eff			A++
Seasonal space heating energy eff	ciency class for low-temperature	application	A+
Maximum current input *3		Α	57.77 - 54.88 - 52.90
Water pressure drop *1			12.9kPa (1.87psi)
Temp range	Outlet water temp *4		25~70°C
. •			77~158°F
	Outdoor temp *4	D.B	-20~40°C
	,	5	-20 40 0 -4~104°F
Circulating water volume rang	Δ		7.5 m³/h-15.0m³/h
Sound Pressure level (measu		dP (A)	7.5 III /II-15.0III /II
Sound Pressure level (measu		dB (A)	
,		dB (A)	63
Diameter of water pipe	Inlet	mm (in.)	38.1 (Rc 1 1/2") screw
	Outlet	mm (in.)	38.1 (Rc 1 1/2") screw
External finish			Acrylic painted steel plate <munsell 1="" 5y="" 8="" or="" similar=""></munsell>
External dimension H × W × D)	mm	1,710 (without legs 1,650) × 1,978 × 759
		in.	67.3 (without legs 65.0) × 77.9 × 29.9
Net weight		kg (lbs)	511 (1127)
Accessories			Y strainer Rc 1 1/2
Design Pressure	R407C	MPa	3.85
· ·	Water	MPa	1.0
Drawing	Wiring	1	KC94R746
	External		KC94R745
Heat exchanger	Water side		stainless steal plate and copper brazing
reat exonariger	Air side		Plate fin and copper tube
Compressor	Туре		- ''
Compressor			Inverter scroll hermetic compressor
	Maker		MITSUBISHI ELECTRIC CORPORATION
	Starting method		Inverter
	Motor output	kW	7.5 × 2
	Case heater	kW	0.045 × 2
	Lubricant		MEL32
FAN	Air flow rate	m³/min	185 × 2
		L/s	3,083 × 2
		cfm	6,532 × 2
	External static press *5		0Pa, 60Pa (0mmH2O/6.1mmH2O)
	Type × Quantity		Propeller fan × 2
	Control, Driving mechanis	m	Inverter-control, Direct-driven by motor
	Motor output	kW	0.46 × 2
HIC circuit (HIC:Heat inter-Ch	<u>'</u>		Copper pipe
Protection	High pressure protection		High pres.Sensor & High pres.Switch at 3.85MPa (643psi)
TOLECTION	Inverter circuit		
			Over-heat protection, Over current protection
	Compressor		Over-heat protection
	Fan motor		Thermal switch
Defrosting method			Auto-defrost mode (Reversed refrigerant circle)
Control			LEV and HIC circuit
Гуре			R407C
GWP *6			1,774
Original charged	Weight		11.0
Oliqillal Glaryeu			

- *1 Under Normal heating conditions at outdoor temp, 7°C DB/6°C WB(44.6°F DB/42.8°F WB) outlet water temp 45°C(113°F), inlet water temp 40°C(104°F)
 *2 Under Heating conditions at outdoor temp,
- 7°C DB/6°C WB(44.6°F DB/42.8°F WB), outlet water temp 70°C (158°F)
- *3 Under Heating conditions at outdoor temp, 7°C DB/6°C WB(44.6°F DB/42.8°F WB) when this unit is set to capacity priority mode by non-voltage B contact



- *5 Dip SW on the unit control board need to be changed. *6 This table is based on Regulation(EU) No517/2014
- Due to continuing improvement, the above specifications may be subject to change without notice. Please don't use the steel material for the water piping material.
- Please don't use the steel material for the water piping material.

 Please always make water circulate or pull out the circulation water completely when not using it.

 Please do not use groundwater and well water.

 Install the unit in an environment where the wet bulb temp will not exceed 32°C (89.6°F).

 The water circuit must use the closed circuit.

Unit converter kcal/h =kW × 860 BTU/h =kW × 3,412 cfm =m³/min × 35.31 lbs =kg/0.4536 <External input/output from the unit>
*The unit can be operated and the operation status can be monitored with Hot Water Heat Pumps external input/output terminals.



Model			CRHV-P600YA-HPB
Power Source			3-phase 4-wire 380-400-415V 50Hz
SCOP(TDesign60kW):EN148	25 Heat source temp 0/-3, Hot water	temp 30/35	4.33
Average climate conditions	Heat source temp 0/-3, Hot water		2.86
Capacity1 *1	at source temp of of that mater	kW	60.0
		kcal/h	51,600
		BTU/h	204,720
	Power input *2	kW	14.2
	Current input 380-400-415V	A	24.0 - 22.8 - 22.0
	COP (kW / kW)	Α	4.23
	Hot water flow rate	m³/h	10.3
	Heat source flow rate	m³/h	14.7
Capacity2 *1	Heat source flow rate	kW	45.0
Capacity2 1			* *
		kcal/h	38,700
		BTU/h	153,540
	Power input *2	kW	10.2
	Current input 380-400-415V	A	17.2 - 16.4 - 15.8
	COP (kW / kW)		4.41
	Hot water flow rate	m³/h	7.7
	Heat source flow rate	m³/h	11.2
	fficiency class for medium-temperature		A++
	fficiency class for low-temperature app	lication	A++
Maximum current input		A	44
Heat source fluid type			ethylene glycol 35WT% (freezing point -18°C (-0.4°F))
Water pressure drop	Hot water side *3	kPa	14
	Heat source side *3	kPa	38
Temp range	Hot water side	°C	(inlet) less than 55, (outlet) 30~65 *6
		°F	(inlet) less than 131, (outlet) 86~149 *6
	Heat source side *4	°C	(inlet) less than 45, (outlet) -8~27
		°F	(inlet) less than 113, (outlet) 17.6~80.6
Circulating water volume ran	ge Hot water side	m³/h	3.2 - 15.0
	Heat source side *7	m³/h	2.0 - 16.0
Sound pressure level (measi	ured in anechoic room) at 1m *3	dB (A)	50
Sound power level (measure	ed in anechoic room) *3	dB (A)	66
Installation location*5		' · · · ·	Indoor use only
Diameter of water pipe	Inlet	mm (in.)	50.8 (R2") screw
(hot water side)	Outlet	mm (in.)	50.8 (R2") screw
Diameter of water pipe	Inlet	mm (in.)	50.8 (R2") screw
(heat source side)	Outlet	mm (in.)	50.8 (R2") screw
External finish	1	()	Unpainted steel plate
External dimension H × W ×	D	mm	1,561 × 934 × 780
Net weight		kg (lbs)	413 (910)
Design Pressure	R410A	MPa	4.15
Decign 1 recours	Water	MPa	1.0
Drawing	Wiring	IVII a	KC94L652X01
Diawing	External		KC94L810X01
Heat exchanger	Hot water side		
neat exchanger	Heat source side		stainless steel plate and copper brazing stainless steel plate and copper brazing
Communication			1 11 0
Compressor	Type		Inverter scroll hermetic compressor MITSUBISHI ELECTRIC CORPORATION
	Maker		
	Starting method		Inverter
	Case heater	kW	0.035 × 2
- · · ·	Lubricant		MEL32
Protection	High pressure protection		High pres.Sensor & High pres.Switch at 4.15MPa (601psi)
	Inverter circuit		Over-heat protection, Over current protection
	Compressor		Over-heat protection
Control			LEV and HIC circuit
Туре			R410A
GWP *8			2,088
Original charged	Weight		9.0
•	CO ₂ equivalent		232

*6 158 Temp Range 70 (La) 140 (C) 60 (La) 122 no 50 water 2 104 at 40 86 호 30 Heats 68 Heat source in 50 Heat source in -4 14 Unit converter kcal/h =kW × 860 BTU/h =kW × 3,412 lbs =kg/0.4536 *8 This table is based on Regulation(EU) No517/2014

104



^{*1} Under Normal heating conditions at outlet hot water temp 35°C(95°F) outlet heat source temp -3°C(26.6°F) inlet hot water temp 30°C(86°F) inlet hot water temp 0°C(32°F). Heating performance indicates the performance with counter flow of brine and refrigerant at the heat source HEX. (Standard pipe connection) *2! Includes pump input based on EN14511.

*3 Under Normal heating conditions at outlet hot water temp 35°C(95°F) outlet heat source temp -3°C(26.6°F) inlet hot water temp 30°C(86°F) inlet heat source temp 0°C(32°F) capacity 60kW hot water flow rate 10.3m°N heat source flow rate 14.7m°N Heating performance indicates the performance with counter flow of brine and refrigerant at the heat source HEX. (Standard pipe connection)

*4 When using in inlet heat source temp is more than 27°C, please change to parallel piping at the heat source side.

*Please don't use the steel material for the water piping material.

*Please don't use the steel material for the water piping material.

*Please don't use the steel material for the water piping material.

*Please don't use the steel material for the water piping water completely when not using it.

*Please don't use the steel material for the water piping material.

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*Please don't use the steel material for the water piping material.

*Please don't use the steel material for the water piping material.

*Please on't use the closed circuit.

*Please don't use the closed direuit.

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*Please don't use the closed direuit.

PAR-W21MAA Specifications

[CAHV-P500YB-HPB]

Item	Description	Operations	Display
ON/OFF	Runs and stops the operation of a group of units	0	0
Operation mode switching	Switches between Hot Water / Heating / Heating ECO / Anti-freeze / Cooling		
	* Available operation modes vary depending on the unit to be connected.	0	0
	* Switching limit setting can be made via a remote controller.		
Water temperature setting	Temperature can be set within the ranges below. (in increments of 1°C or 1°F)		
	Hot Water 25°C ~ 70°C		
	Heating 25°C ~ 55°C	0	
	Heating ECO 30°C ~ 45°C		
	Anti-freeze 25°C		
	* The settable range varies depending on the unit to be connected.		
Water temperature display	10°C ~ 90°C		
	(in increments of 1°C or 1°F)	×	0
	* The settable range varies depending on the unit to be connected.		
Permit / Prohibit	Individually prohibits operations of each local remote control function :ON/OFF,		
local operation	Operation modes, water temperature setting, Circulating water replacement warning reset.	×	0
	* Upper level controller may not be connected depending on the unit to be connected.		
Weekly scheduler	ON / OFF / Water temperature setting can be done up to 6 times one day in the week.	0	0
	(in increments of a minute)		
Error	When an error is currently occurring on a unit, the afflicted unit and the error code are	×	0
	displayed.	_ ^	
Self check (Error history)	Searches the latest error history by pressing the CHECK button twice.	0	0
Test run	Enables the Test run mode by pressing the TEST button twice.		0
	* Test run mode is not available depending on the unit to be connected.		
LANGUAGE setting	The language on the dot matrix LCD can be changed. (Seven languages)	0	0
	English/German/Spanish/Russian/Italian/French/Swedish		
Operation locking function	Remote controller operation can be locked or unlocked.		
	All-switch locking	0	0
	Locking except ON/OFF switch		

[CRHV-P600YA-HPB]

Item	Description	Operations	Display
ON/OFF	Runs and stops the operation of a group of units	0	0
Operation mode switching	Switches between Hot Water / Heating / Heating ECO / Anti-freeze		
	* Available operation modes vary depending on the unit to be connected.	0	0
	* Switching limit setting can be made via a remote controller.		
Water temperature setting	Temperature can be set within the ranges below. (in increments of 1°C or 1°F)		
	Hot Water 30°C ~ 65°C		
	Heating 30°C ~ 45°C		
	Heating ECO 30°C ~ 45°C	0	0
	Anti-freeze 30°C		
	* The settable range varies depending on the unit to be connected.		
Water temperature display	10°C ~ 90°C		
	(in increments of 1°C or 1°F)	×	0
	* The settable range varies depending on the unit to be connected.		
Permit / Prohibit	Individually prohibits operations of each local remote control function :ON/OFF,		
local operation	Operation modes, water temperature setting, Circulating water replacement warning reset.	×	0
	* Upper level controller may not be connected depending on the unit to be connected.		
Weekly scheduler	ON / OFF / Water temperature setting can be done up to 6 times one day in the week.	0	0
	(in increments of a minute)		
Error	When an error is currently occurring on a unit, the afflicted unit and the error code are	×	0
	displayed.		
Self check (Error history)	Searches the latest error history by pressing the CHECK button twice.	0	0
Test run	Enables the Test run mode by pressing the TEST button twice.	0	0
	* Test run mode is not available depending on the unit to be connected.		
LANGUAGE setting	The language on the dot matrix LCD can be changed. (Seven languages)	0	0
	English/German/Spanish/Russian/Italian/French/Swedish		
Operation locking function	Remote controller operation can be locked or unlocked.		
	All-switch locking	0	0
	Locking except ON/OFF switch		



Ventilation

- Lossnay RVX Series Energy Recovery Ventilation

Lossnay VL-100 Wall Mount

Ducted Exhaust Fans

- In-Line Fans

OA Processing Units

- Air Handling Unit Controller

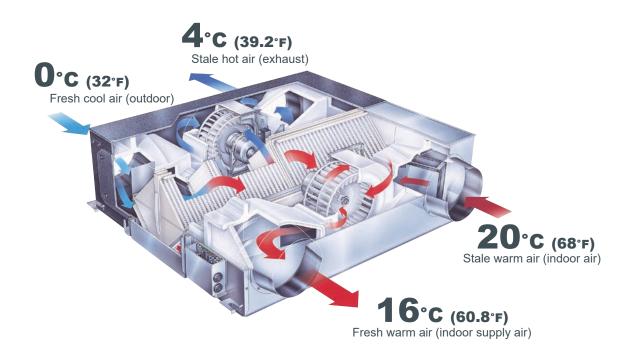


RVX SERIES Energy Recovery Ventilators



The Ventilation System for Enhanced Air Quality - Lossnay

Combine with Lossnay Ventilation System for enhanced air quality. Unified Control System allows for greater design freedom.



LGH-15RVX [150m³/h Single phase 220-240V 50Hz] **LGH-25RVX** [250m³/h Single phase 220-240V 50Hz] **LGH-35RVX** [350m³/h Single phase 220-240V 50Hz] **LGH-50RVX** [500m³/h Single phase 220-240V 50Hz] **LGH-65RVX** [650m³/h Single phase 220-240V 50Hz]

LGH-80RVX [800m³/h Single phase 220-240V 50Hz] **LGH-100RVX** [1000m³/h Single phase 220-240V 50Hz] **LGH-150RVX** [1500m³/h Single phase 220-240V 50Hz] **LGH-200RVX** [2000m³/h Single phase 220-240V 50Hz]

Heat-exchange efficiency obtainable only with Lossnay.

The secret to the unmatched comfort provided by Lossnay core is the cross-flow, plate-fin structure of the heat-exchange unit. A diaphragm made of a specially processed paper fully separates inducted and exhausted air supplies, ensuring that only fresh air is introduced to the indoor environment.

The superior heat-transfer and moisture permeability of the special paper assures highly effective total heat-exchange (temperature and humidity) when inducted and exhausted air supplies cross in the Lossnay core.

LOSSNAY Technology

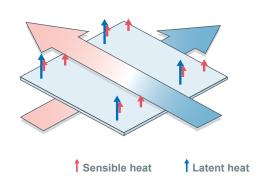
- Two paths ventilation
 - LOSSNAY simultaneously intakes Fresh Air and exhausts Dirty Air.
- Total energy recovery

LOSSNAY returns BOTH sensible heat and latent heat.

A. Two paths ventilation

Stale air exhaust (dirty indoor air) Spacer plate Outdoors Indoors SA Fresh air exhaust (fresh heating/cooling air) Partition plate RA Stale air induction (fresh air)

B. Total energy transfer



Why LOSSNAY is necessary

- A lack of ventilation makes people sick from stale indoor air including CO2, dust and bacteria
- Opening windows eliminates the stale air, but wastes air-con energy
- So we recommend LOSSNAY
 LOSSNAY simultaneously acheives ventilation and energy saving

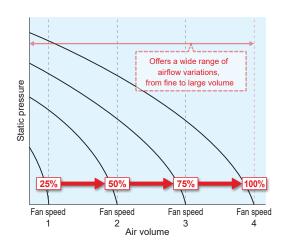


Wide range air volume

The new RVX Lossnay is equipped with four fan speeds. In addition, each speed has a range setting of 25, 50, 75 and 100%, allowing much finer air volume control.

When used in combination with the CO₂ sensor or timer function, the air volume can be controlled according to conditions that realise better performance and reduce power consumption.

■RVX characteristic curves

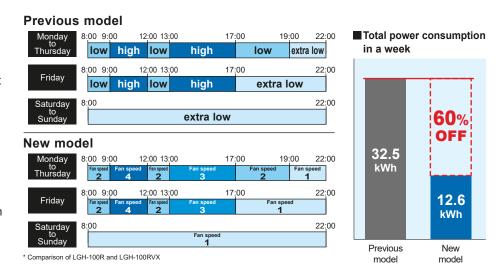




Ventilation

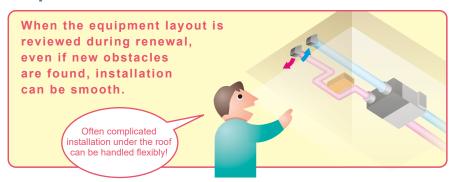
Weekly timer

The operation pattern for each day of the week, ON / OFF and air volume can be set using the weekly timer function (up to eight zones per day). Compared to previous models, much finer operation control contributes to enhanced energy saving operation. With a wider range of air volumes the Lossnay RVX units enable optimised ventilation not just at different times of the day, but for different days of the week as well, enabling further energy savings.



Improved external static pressure

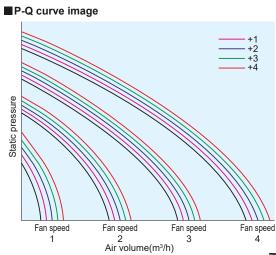
External static pressure has been improved in the new RVX models. By increasing the external static pressure, highly flexible duct work becomes possible, thus renewal from existing equipment is easy.



Fan speed adjustment function

The default fan speed value can be adjusted slightly. Using the PZ-61DR-E remote controller to reset the speed.

- Considering the total hours of Lossnay operation (filter clogging), the fan power can be adjusted automatically after a given period of time.
- After the unit is installed, if the air volume is slightly lower than the desired airflow, it is possible to make fine adjustments.



"By-pass" Ventilation External Control Setting

In addition to the automatic damper open/close function, open/close control via external devices is possible, delivering a "By-pass" ventilation system that is suitable to the installed environment.

Establish the wire connection by inserting the optional remote display adaptor (PAC-SA88HA-E) in the connector CN16 (Ventilation mode selector).

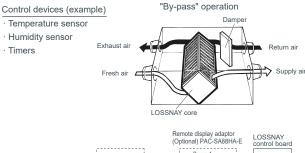
When SW1 is "ON", the ventilation mode of LOSSNAY is changed to the By-pass ventilation regardless of the setting on the remote controller.

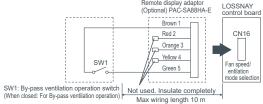
Automatic ventilation setting

The automatic damper mode automatically provides the correct ventilation for the conditions in the room. The following shows the effect "By-pass" ventilation will have under various conditions.

1. Reduces cooling load

If the air outside is cooler than the air inside the building during the cooling season (such as early morning or at night), "By-pass" ventilation will draw in the cooler outside air and reduce the cooling load on the system.





2. Night purge

"By-pass" ventilation can be used to release hot air from inside the building that accumulates in buildings during the hot summer season.

3. Office equipment room cooling

During the cold season, fresh air can be drawn in and used to cool rooms where the temperature has risen due to the use of office equipment.

- * When the outdoor air tempereture drops lower than 8°C it changes to the heat exchange ventilation. (Display of the remote controller does not change.)
- * In the case of "By-pass" ventilation, the supply air temperature slightly rises more than the outside air temperature because of the heat effect around the ducts or the unit motors.

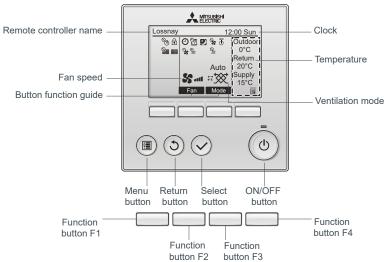
Controller PZ-61DR-E

In addition to boosting the energy conservation performance of the main unit, the remote controller features a variety of functions which also allows for additional energy conservation.

The appearance of the remote controller conforms to the latest Mitsubishi Electric air conditioner interface design standards.

Functions that were set using Dip-Switch on the LOSSNAY main unit can be configured as needed using the new remote controller. This eliminates the need to crawl under the eaves to change operation settings.

Also, a newly adopted LCD backlit display provides much more information, making it easy to check maintenance indications, operation status display, and explanations required when configuring settings.





Specifications

Model line-up



LGH-15~100RVX-E-1

Model					LGH-15	RVX-E-1			
Electrical power supply					220-240V/50H	lz, 220V/60Hz			
Ventilation mode			Heat reco	very mode			Bypas	s mode	
Fan speed		SP4	SP3	SP2	SP1	SP4	SP3	SP2	SP1
Running current (A)		0.40 0.24 0.15 0.10 0.41 0.25 0.15				0.10			
Input power (W)		49	28	14	7	52	28	14	8
Airenthone	(m³/h)	150	113	75	38	150	113	75	38
Air volume	(L/s)	42	31	21	10	42	31	21	10
External static pressure (Pa)		95	54	24	6	95	54	24	6
Temperature exchange efficiency (%)		80.0	81.0	83.0	84.0	_	_	_	_
F-4h-l	Heating	73.0	75.5	78.0	79.0	_	_	_	_
Enthalpy exchange efficiency (%)	Cooling	71.0	74.5	78.0	79.0	_	_	_	_
Noise (dB) (Measured at 1.5m under of unit in an anechoeic cl		28.0	24.0	19.0	17.0	29.0	24.0	19.0	18.0
Weight (kg)					2	0			

^{*}The Air outlets noise (45 angle, 1.5meters in front of the unit) is about 13dB greater than the indicated value. (at Fan speed 4)

Model					LGH-25	RVX-E-1				
Electrical power supply		220-240V/50Hz, 220V/60Hz								
Ventilation mode			Heat reco	very mode			Bypas	s mode		
Fan speed		SP4	SP3	SP2	SP1	SP4	SP3	SP2	SP1	
Running current (A)		0.48	0.28	0.16	0.10	0.48	0.29	0.16	0.11	
Input power (W)		62	33	16	7.5	63	35	17	9	
Air volume	(m³/h)	250	188	125	63	250	188	125	63	
Air volume	(L/s)	69	52	35	17	69	52	35	17	
External static pressure (Pa)		85	48	21	5	85	48	21	5	
Temperature exchange efficiency (%)		79.0	80.0	82.0	86.0	_	_	_	_	
Enthalpy exchange efficiency (%)	Heating	69.5	72.0	76.0	83.0	_	_	_	_	
Enthalpy exchange entitlency (%)	Cooling	68.0	70.0	74.5	83.0	_	_	_	_	
Noise (dB) (Measured at 1.5m under the center of unit in an anechoeic chamber)		27.0	22.0	20.0	17.0	27.5	23.0	20.0	17.0	
Weight (kg)					2	3				

^{*}The Air outlets noise (45 angle, 1.5meters in front of the unit) is about 15dB greater than the indicated value. (at Fan speed 4)
*The running current, the input power, the efficiency and the noise are based on the rating air volume, and 230V/50Hz.
*For the specification at the other frequency contact your dealer.

		I GH 25DVV E 1									
Model		LGH-35RVX-E-1									
Electrical power supply					220-240V/50H	lz, 220V/60Hz	Z				
Ventilation mode			Heat reco	very mode			Bypas	s mode			
Fan speed		SP4 SP3 SP2 SP1 SP4 SP3 SP2					SP1				
Running current (A)		0.98 0.54 0.26 0.12 0.98 0.56 0.28				0.28	0.13				
Input power (W)		140	70	31	11	145	72	35	13		
Air volume	(m³/h)	350	263	175	88	350	263	175	88		
All volume	(L/s)	97	73	49	24	97	73	49	24		
External static pressure (Pa)		160	90	40	10	160	90	40	10		
Temperature exchange efficiency (%)		80.0	82.5	86.0	88.5	_	_	_	_		
Enthalpy exchange efficiency (%)	Heating	71.5	74.0	78.5	83.5	_	_	_	_		
Entitalpy exchange entitlency (%)	Cooling	71.0	73.0	78.0	82.0	_	_	_	_		
Noise (dB) (Measured at 1.5m under of unit in an anechoeic c		32.0	28.0	20.0	17.0	32.5	28.0	20.0	18.0		
Weight (kg)		30									

^{*}The Air outlets noise (45 angle, 1.5meters in front of the unit) is about 12dB greater than the indicated value. (at Fan speed 4)
*The running current, the input power, the efficiency and the noise are based on the rating air volume, and 230V/50Hz.
*For the specification at the other frequency contact your dealer.



^{*}The running current, the input power, the efficiency and the noise are based on the rating air volume, and 230V/50Hz. *For the specification at the other frequency contact your dealer.



LGH-15~100RVX-E-1

Model					LGH-50	RVX-E-1				
Electrical power supply					220-240V/50H	łz, 220V/60Hz	<u>z</u>			
Ventilation mode			Heat reco	very mode			Bypass	s mode	e	
Fan speed		SP4	SP3	SP2	SP1	SP4	SP3	SP2	SP1	
Running current (A)		1.15 0.59 0.26 0.13 1.15 0.59 0.27					0.13			
Input power (W)		165	78	32	12	173	81	35	14	
Aircoaltona	(m³/h)	500	375	250	125	500	375	250	125	
Air volume	(L/s)	139	104	69	35	139	104	69	35	
External static pressure (Pa)		120	68	30	8	120	68	30	8	
Temperature exchange efficiency (%)		78.0	81.0	83.5	87.0	_	_	_	_	
Enthalmy ayahanga afficianay (9/)	Heating	69.0	71.0	75.0	82.5	-	-	-	_	
Enthalpy exchange efficiency (%)	Cooling	66.5	68.0	72.5	82.0	_	_	_	_	
Noise (dB) (Measured at 1.5m under of unit in an anechoeic cl		34.0	28.0	19.0	18.0	35.0	29.0	20.0	18.0	
Weight (kg)					3	3				

^{*}The Air outlets noise (45 angle, 1.5meters in front of the unit) is about 18dB greater than the indicated value. (at Fan speed 4)
*The running current, the input power, the efficiency and the noise are based on the rating air volume, and 230V/50Hz.
*For the specification at the other frequency contact your dealer.

Model					LGH-65	RVX-E-1				
Electrical power supply		220-240V/50Hz, 220V/60Hz								
Ventilation mode			Heat reco	very mode			Bypass	s mode		
Fan speed	SP4	SP3	SP2	SP1	SP4	SP3	SP2	SP1		
Running current (A)		1.65	0.90	0.39	0.15	1.72	0.86	0.38	0.16	
Input power (W)		252	131	49	15	262	131	47	17	
Air volume	(m³/h)	650	488	325	163	650	488	325	163	
Air volume	(L/s)	181	135	90	45	181	135	90	45	
External static pressure (Pa)		120	68	30	8	120	68	30	8	
Temperature exchange efficiency (%)		77.0	81.0	84.0	86.0	_	_	_	_	
Enthalpy exchange efficiency (%)	Heating	68.5	71.0	76.0	82.0	_	_	_	_	
Enthalpy exchange entitlently (%)	Cooling	66.0	69.5	74.0	81.0	_	_	_	_	
Noise (dB) (Measured at 1.5m under of unit in an anechoeic cl		34.5	29.0	22.0	18.0	35.5	29.0	22.0	18.0	
Weight (kg)					3	8				

^{*}The Air outlets noise (45 angle, 1.5meters in front of the unit) is about 16dB greater than the indicated value. (at Fan speed 4) *The running current, the input power, the efficiency and the noise are based on the rating air volume, and 230V/50Hz. *For the specification at the other frequency contact your dealer.

Model			LGH-80RVX-E-1										
Electrical power supply					220-240V/50H	Hz, 220V/60Hz	Z						
Ventilation mode			Heat reco	very mode			Bypas	s mode					
Fan speed		SP4	SP3	SP2	SP1	SP4	SP3	SP2	SP1				
Running current (A)		1.82	0.83	0.36	0.15	1.97	0.86	0.40	0.15				
Input power (W)		335	151	60	18	340	151	64	20				
	(m³/h)	800	600	400	200	800	600	400	200				
Air volume	(L/s)	222	167	111	56	222	167	111	56				
External static pressure (Pa)		150	85	38	10	150	85	38	10				
Temperature exchange efficiency (%)		79.0	82.5	84.0	85.0	_	_	_	_				
Fth	Heating	71.0	73.5	78.0	81.0	_	_	_	_				
Enthalpy exchange efficiency (%)	Cooling	70.0	72.5	78.0	81.0	_	_	_	_				
Noise (dB) (Measured at 1.5m under of unit in an anechoeic c		34.5	30.0	23.0	18.0	36.0	30.0	23.0	18.0				
Weight (kg)					4	-8		48					

^{*}The Air outlets noise (45 angle, 1.5meters in front of the unit) is about 24dB greater than the indicated value. (at Fan speed 4)
*The running current, the input power, the efficiency and the noise are based on the rating air volume, and 230V/50Hz.
*For the specification at the other frequency contact your dealer.
*Use this unit with static pressure 240Pa or less at Fan speed 4. Otherwise the noise level might be larger.







LGH-15~100RVX-E-1

LGH-150/200RVX-E-1

Model					LGH-100	RVX-E-1			
Electrical power supply					220-240V/50H	lz, 220V/60Hz	2		
Ventilation mode			Heat reco	very mode			Bypass	s mode	
Fan speed		SP4	SP3	SP2	SP1	SP4	SP3	SP2	SP1
Running current (A)		2.50 1.20 0.50 0.17 2.50 1.20 0.51				0.19			
Input power (W)		420	200	75	21	420	200	75	23
Airenthone	(m³/h)	1000	750	500	250	1000	750	500	250
Air volume	(L/s)	278	208	139	69	278	208	139	69
External static pressure (Pa)		170	96	43	11	170	96	43	11
Temperature exchange efficiency (%)		80.0	83.0	86.5	89.5	_	_	_	_
F-4h-l	Heating	72.5	74.0	78.0	87.0	_	_	_	_
Enthalpy exchange efficiency (%)	Cooling	71.0	73.0	77.0	85.5	_	_	_	_
Noise (dB) (Measured at 1.5m under of unit in an anechoeic cl		37.0	31.0	23.0	18.0	38.0	32.0	24.0	18.0
Weight (kg)					5	4			

^{*}The Air outlets noise (45 angle, 1.5meters in front of the unit) is about 21dB greater than the indicated value. (at Fan speed 4)

^{*}The running current, the input power, the efficiency and the noise are based on the rating air volume, and 230V/50Hz.

*For the specification at the other frequency contact your dealer.

*Use this unit between static pressure 60Pa and 240Pa at Fan speed 4. Otherwise the motor protection may work and reduce its output or the noise level might be larger.

Model					LGH-150	RVX-E-1				
Electrical power supply		220-240V/50Hz, 220V/60Hz								
Ventilation mode			Heat reco	very mode			Bypass	s mode		
Fan speed		SP4	SP3	SP2	SP1	SP4	SP3	SP2	SP1	
Running current (A)		3.71	1.75	0.70	0.29	3.85	1.78	0.78	0.30	
Input power (W)		670	311	123	38	698	311	124	44	
Air volume	(m³/h)	1500	1125	750	375	1500	1125	750	375	
Air volume	(L/s)	417	313	208	104	417	313	208	104	
External static pressure (Pa)		175	98	44	11	175	98	44	11	
Temperature exchange efficiency (%)		80.0	82.5	84.0	85.0	_	_	_	_	
Enthalpy exchange efficiency (%)	Heating	72.0	73.5	78.0	81.0	_	_	_	_	
Enthalpy exchange entitlency (%)	Cooling	70.5	72.5	78.0	81.0	-	-	_	_	
Noise (dB) (Measured at 1.5m under of unit in an anechoeic cl		39.0	32.0	24.0	18.0	40.5	33.0	26.0	18.0	
Weight (kg)					9	8				

^{*}The Air outlets noise (45 angle, 1.5meters in front of the unit) is about 22dB greater than the indicated value. (at Fan speed 4) *The running current, the input power, the efficiency and the noise are based on the rating air volume, and 230V/50Hz. *For the specification at the other frequency contact your dealer. *Use this unit with static pressure 250Pa or less at Fan speed 4. Otherwise the noise level might be larger.

Ose this unit with static pressure 250Pa or less at Pari speed 4. Officialwise the floise level ringht be larger.															
Model		LGH-200RVX-E-1													
Electrical power supply			220-240V/50Hz, 220V/60Hz												
Ventilation mode			Heat reco	very mode			Bypas	s mode							
Fan speed		SP4	SP3	SP2	SP1	SP4	SP3	SP2	SP1						
Running current (A)		4.88	2.20	0.88	0.33	4.54	2.06	0.87	0.35						
Input power (W)		850	400	153	42	853	372	150	49						
Air volume	(m³/h)	2000	1500	1000	500	2000	1500	1000	500						
All volume	(L/s)	556	417	278	139	556	417	278	139						
External static pressure (Pa)		150	84	38	10	150	84	38	10						
Temperature exchange efficiency (%)		80.0	83.0	86.5	89.5	_	_	_	_						
Enthalpy exchange efficiency (%)	Heating	72.5	74.0	78.0	87.0	_	_	_	_						
Enthalpy exchange entitleticy (%)	Cooling	71.0	73.0	77.0	85.5	_	_	_	_						
Noise (dB) (Measured at 1.5m under of unit in an anechoeic c		40.0	36.0	28.0	18.0	41.0	36.0	27.0	19.0						
Weight (kg)					1	10		110							

^{*}The Air outlets noise (45 angle, 1.5meters in front of the unit) is about 21dB greater than the indicated value. (at Fan speed 4)

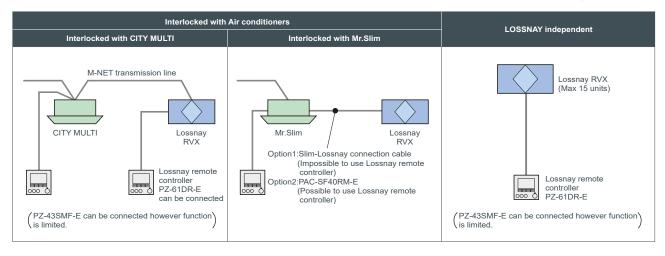
*The running current, the input power, the efficiency and the noise are based on the rating air volume, and 230V/50Hz.

*For the specification at the other frequency contact your dealer.

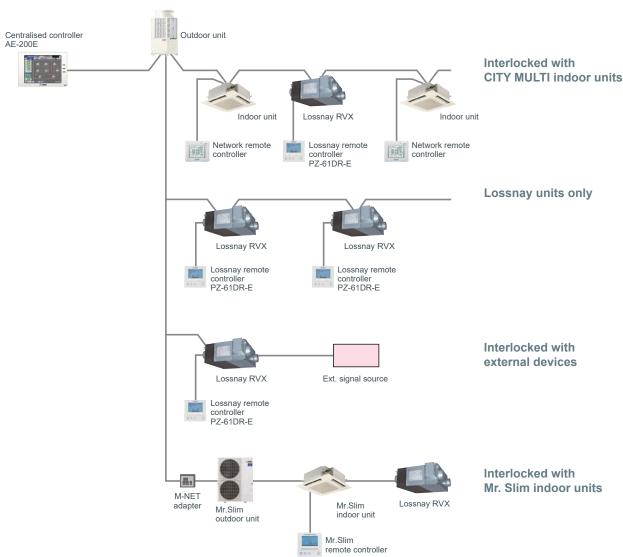
*Use this unit between static pressure 50Pa and 220Pa at Fan speed 4. Otherwise the motor protection may work and reduce its output or the noise level might be larger.



The Remote Controller PZ-61DR-E enables simple control setting



Centralised Controller System





VL-100EU5-E Wall switch type



Energy Recovery Ventilator

Enjoy the benefits of Lossnay Heat Recovery Ventilation

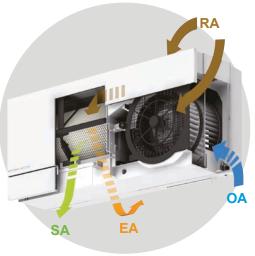
in a wall mounted unit.

Energy Saving

Reduced heat loss contributes to lower air conditioning costs.

Fresh Air

Simultaneous air supply/exhaust function ensures efficient ventilation.



Quiet Operation

Equipped with sound insulation for even quieter operation.

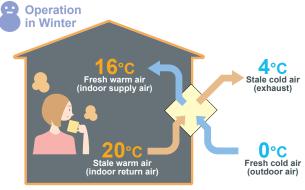
Simple Installation

Easy installation through boring of 2 installation holes.

Stylish Design

Designed to match any interior decor.

Total-Heat-Exchange Concept



•Heat-exchange Temp. equation

$$\label{eq:ndoor_supply-air} \begin{split} & \text{Indoor supply-air} = \left\{ \begin{aligned} & \text{Indoor} & \text{Outdoor} \\ & \text{temperature(°C)} & \text{temperature(°C)} \end{aligned} \right\} \times \\ & \text{Temp exchange} \\ & \text{efficiency(\%)} \end{aligned} + \\ & \text{Outdoor} \\ & \text{temperature(°C)} \end{split}$$

Calculation example : 16°C = (20°C - 0°C) x 80% + 0°C (Low fan speed)

Operation in Summer



•Heat-exchange Temp. equation

Indoor supply-air = Outdoor temperature(°C) = Countdoor te

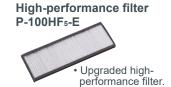
Calculation example : 24°C = 36°C - (36°C - 21°C) x80% (Low fan speed)

Specification

- •Simple installation through boring of 2 installation holes.
- •Low-noise (Less than 30dB at low fan speed).
- •1-motor 2-fan system. •Air-volume:low/high fan speeds.
- •Air-supply/exhaust pipes and a plastic weather cover are included.
- •Equipped with an outdoor-air shutter.
- •Wall-switch (VL-100EU₅-E)

Supply voltage (V)	Power line frequency (Hz)	Fan speed	Air volume (m³/h)	Power consumption (W)	Temp.exchange efficiency (%)	Noise (dB)	Weight (kg)
230	50	HI	105	31	73	37	7.5
230	50	LO	60	15	80	25	7.5

Optional Parts





VD Series – High Efficiency Low Noise Ducted Exhaust Fans

Mitsubishi Electric Ducted Exhaust Fans are specifically designed to quickly and efficiently remove moisture and odours in the quietest way possible. They are ideal for areas that are typically exposed to higher levels of moisture such as laundries, bathrooms and toilets.



Key Features

- Quiet, low vibration operation (from 30dBA*)
- · Centrifugal fan with long-life ball bearing motor
- Energy efficient for increased power savings
- Stylish design that blends well with surroundings
- Dual airtight shutters block external noise and outside air *VD-15Z





Plastic Grille

Plastic Grille





Plastic Grille

Metal Grille

Specification Table

Model	Current (A)	Power (W)	Frequency (Hz)	RPM	Air Volume (I/s) / (m ³ /h)	Noise (dBA)	Weight (kg)
VD-10Z	0.05	10	50	950	29 / 105	32	2.2
VD-15Z	0.06	13	50	725	47 / 169	30	3.4
VD-15ZP	0.08	18	50	900	62 / 223	36	3.4
VD-18Z	0.16	34	50	620	98 / 353	37	5.8
VD-20Z	0.21	46	50	730	122 / 439	41	6.5

Air volume at ØPa.

Dimension Table

Model	Fan	(excluding sp	pigot)		Duct			
Model	W (mm)	D (mm)	H (mm)	Туре	W (mm)	D (mm)	H (mm)	Dia (mm)
VD-10Z	171	171	172	Plastic	250	250	20	100
VD-15Z	251	251	200	Plastic	330	330	20	100
VD-15ZP	251	251	200	Plastic	330	330	20	100
VD-18Z	270	270	243	Metal	334	334	15	150
VD-20Z	307	307	243	Metal	380	380	15	150

Mitsubishi Electric Ducted In-Line Fans

Quietest In-line Fan Range in NZ!† - High Airflow with Low Noise

The centrifugal In-Line Fan features an advanced air duct design, allowing air to be distributed evenly either side of the fan. This innovative design feature reduces the noise level of the unit, ensuring that even whilst maintaining a high air flow rate, the In-Line Fan is able to operate at a super-quiet 18.5 dBA*. Sitting between ductwork, the In-Line Fan can be installed away from the extraction point, further decreasing noise heard by the occupant; ideal for areas with limited space above the extraction point and for noise-sensitive environments such as meetings rooms, libraries and living rooms.

Versatile and Sturdy Design

Equipped with adjustable mounting brackets and removable duct spigots, installations are both convenient and versatile. The sturdy design of the unit provides options for both roof cavity and ceiling exposed mounting.

Key Features

- High airflow, quiet operation
- Adjustable/removable mounting brackets
- Two speed selectable
- · Galvanised steel casing
- Removable cover for easy maintenance
- All models are less than 260mm in height

- Quick connect power terminal
- Removable duct spigots
- Wool glass noise absorption pads*
- Low power consumption

*V-18ZMWP-E only

Model	Rated Voltage (V)	Frequency Notch (Hz)		Rated Current (A)	Power Consumption (W)	Airflow Rate (I/s / m³/h)	Noise (dBA)	Vane Diameter (mm)	Connecting Duct (mm)	Weight (kg)		
\/ 4 E Z \	000	50	High	0.11	26	58 / 212	22	Ø 150	Ø 400	6		
V-15ZMW-E	230	50	Low	0.10	18	44 / 160	18.5	D 150	Ø 100	6		
\/ 4 E 7 N N N D E	000	50	High	0.21	47	94 / 340	28	0.450	Ø 450	6		
V-15ZMWP-E	230	50	Low	0.18	33	79 / 285	25	Ø 150	Ø 150	6		
\/ 407\A\\	000	50	High	0.28	64	143 / 515	32	Ø 400	Ø 450	0.5		
V-18ZMW-E	230	50	Low	0.24	36	105 / 380	27	Ø 180	Ø 150	8.5		
V-18ZMWP-E	000	50	High	0.47	105	215 / 775	33	Ø 100	Ø 000	0.5		
V-18ZIVIVVP-E	WP-E 230		230	50	Low	0.46	84	184 / 665	31	Ø 180	Ø 200	9.5

Airflow rates exclude ducting. Please refer to the static pressure fan curve.

*V-15ZMW-E †Measured at 1.5m from the side of the unit: Ducting attached



OA Processing Units

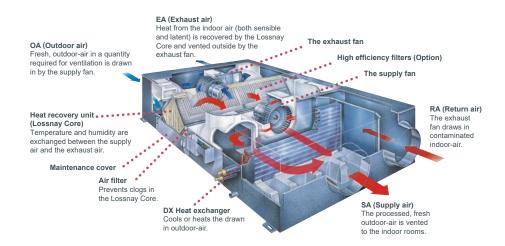
RD4 Series

A Total Air Conditioning Package for Remarkable Power

Lossnay Ventilation and Air Conditioning

- 1. When the load is light ⇒ Main air conditioning
- 2. When the load is heavy ⇒ Supplemental air conditioning

The OA (Outdoor-Air) Processing Unit creates an optimum environment while providing substantial energy savings. The OA Processing Unit comprises forced air ventilation, heat recovery, heating and cooling, and air purification. This total air conditioning system keeps indoor air fresh and comfortable all year round and keeps it free of contaminants, preventing ailments such as sick building syndrome. Inside the OA Processing Unit is the Lossnay Core, a heat-exchange unit that transfers heat efficiently, cutting ventilation load by as much as 70%. A remarkable product found nowhere else, this special combination of functionality and performance contained within a single unit ensures users ample comfort, good health, and energy savings.

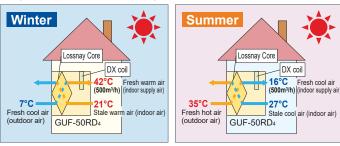


The Air Conditioning Function

Two Units in One

Along with Lossnay ventilation, the OA Processing Unit is really two units in one, functioning as the main air conditioner when the load is light and adding supplemental air conditioning when the load is heavy. Also, with ventilation and air conditioning integrated, space is saved and installation expense kept to a minimum. What's more, the air temperature in any room can be perfectly adjusted to the desired

Temperature simulation (Example : GUF-50RD₄)



temperature of the occupants via the OA Processing Unit, which can be used as the indoor unit of the CITY MULTI air conditioning system. The heat recovery function maximises efficiency and saves energy, benefiting the environment and helping companies cut costs. It also reduces the refrigerant load and lowers the amount of horsepower required by the outdoor unit.



Ventilation



Model				GUF-50)RD4	GUF-1	00RD4			
Power source					1-phase 220	-240V 50Hz				
Cooling capacity		*1	kW	5.57	<1.94>	11.44	<4.12>			
Figure in < > is t	he recovery	*1	kcal / h	4,800	<1,650>	9,800	<3,500>			
capacity by LOSS	SNAY core.	*1	BTU / h	19,000	<6,600>	39,000	<14,000>			
*3	Power input		kW	235-2	265	480	-505			
*3	Current input		А	1.15	5	2.	20			
Heating capacity		*2	kW	6.21	<2.04>	12.56	<4.26>			
Figure in < > is t	he recovery	*2	kcal / h	5,340	<1,750>	10,800	<3,650>			
capacity by LOSS	SNAY core.	*2	BTU / h	21,200	<7,000>	42,850	<14,450>			
*3	Power input		kW	235-2	265	480	-505			
*3	Current input		А	1.15	5	2.20				
Capacity equivale	ent to indoor unit			P32	2	P63				
Humidifying capa	city		kg / h	_		_				
			lbs / h	_		-				
	Humidifier			Permeable film	n humidifier	_				
External finish					Galvanized, with gr	grey insulation sheet				
External dimension	on H x W x D		mm	317 x 1,016	3 x 1,288	398 x 1,231 x 1,580				
			in.	12-1/2 x 40 x 50-3/4		15-11/16 x 48-1/2 x 62-1/4			15-11/16 x 48-1/2 x 62-1/4	
Net weight			kg (lbs)	48 (10	06)	82 (181)				
Heat	LOSSNAY core			Partitio	n, Cross-flow structure,	Special preserved paper	-plate.			
exchanger	Refrigerant coil				Cross fin (Aluminum	fin and copper tube)				
FAN	Type x Quantity				SA: Centrifugal far	n (Sirocco fan) x 1				
					EA: Centrifugal far	n (Sirocco fan) x 1				
	External		Pa	140)	1	40			
	static press.	*4	mmH ₂ O	14.3	3	14	1.3			
	Motor type			Totally enclosed	capacitor permanent sp	lit-phase induction motor	, 4 poles, 2units			
	Motor output		kW	_		-	_			
	Driving mechanis	sm			Direct-drive	•				
	Airflow rate		m³ / h	500		,	000			
	(High value)		L/s	139			78			
			cfm	294	1	5	89			
Sound pressure I	, ,		dB <a>	33.5-3	34.5	38	-39			
(measured in an	,	*3		00.0						
Insulation materia					Polyeste					
Air filter	Supplying air			Non-woven fabrics filter (Grav						
	Exhausting air			No	,	fabrics filter (Gravitational method 82%)				
Protection device						use				
Refrigerant contr						.EV				
Connectable out					R410A CI					
Diameter of	Liquid		mm (in.)	ø6.35 (ø1/	/	ø9.52 (ø3/8) Flare				
refrigerant pipe	Gas		mm (in.)	ø12.7 (ø1/2	,	ø15.88 (ø5/8) Flare				
Field drain pipe s	ize		mm (in.)		Socket (I.D. 32mm (1-1)	(4))+O.D. 32mm (1-1/4)				

Notes:

*1 Nominal cooling conditions Indoor: 27°CDB/19°CWB (81°FDB/66°FWB) Outdoor: 35°CDB (95°FDB)

*2 Nominal heating conditions Indoor : 20°CDB (68°FDB) Outdoor : 7°CDB/6°CWB (45°FDB/43°FWB)

- *3 The values are measured at the rated external static pressure.
- *4 The figure in < > indicates the value when external static pressure is changed.

Air Handling Unit Controller

PAC-AH-M-J

The Air Handling Unit Controller is an interface to allow connection to third party manufacturers equipment.

Mitsubishi Electric City Multi outdoor units are used with this interface box, creating an ideal solution when a unique air handling unit is required. The Air Handling Unit Controllers are supplied with LEV expansion device(s).

- Discharge or return air temperature control
- Temperature set point by control 0-10VDC
- Auto mode available for ease of application
- Error input
- IP2x rated (only for internal use)





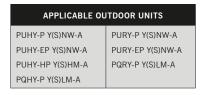
PAC-AH-M-J - AHU Controller

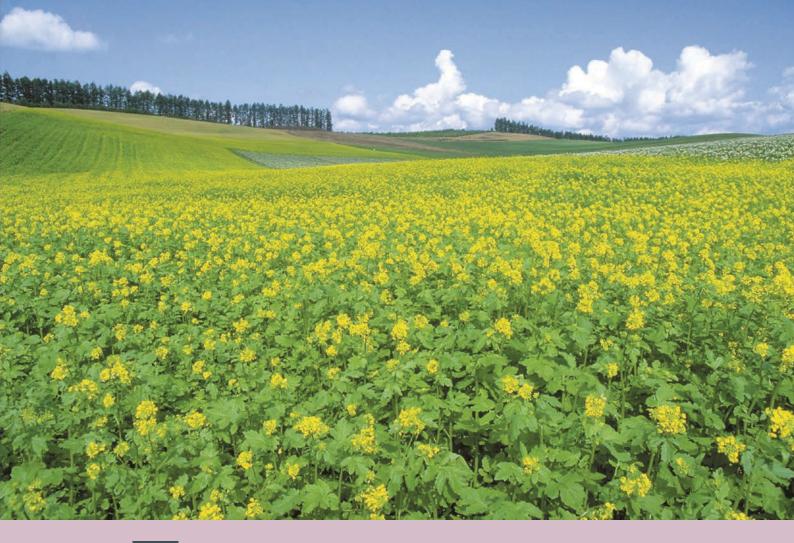
MODEL REFERENCE		PAC-AH125M-J	PAC-AH125M-J	PAC-AH140M-J	PAC-AH250M-J	PAC-AH250M-J	PAC-AH500M-J	PAC-AH500M-J
AIR HANDLING UNIT SIZE		P100	P125	P140	P200	P250	P400*2	P500*2
ALLOWED HEAT EXCHANG (KW) - HEATING (MIN/MA		10.0 - 12.5	12.5 - 16.0	16.0 - 18.0	18.0 - 25.0	25.0 - 31.5	40.0 - 50.0	50.0 - 63.0
ALLOWED HEAT EXCHANGE (KW) - COOLING (MIN/MA		9.0 - 11.2	11.2 - 14.0	14.0 - 16.0	16.0 - 22.4	22.4 - 28.0	36.0 - 45.0	45.0 - 56.0
ALLOWED HEAT EXCHANGER VOLUME (CM³)		1500 - 2850	1900 - 3550	2150 - 4050	3000 - 5700	3750 - 7100	6000 - 11400	7500 - 14200
REFERENCE AIR FLOW RA	ATE (M3/H)*3	2000	2500	3000	4000	5000	8000	10000
STANDARD EVAPORATOR PATH NUMBER*1	!	4 - 5	4 - 5	5 - 6	6 - 10	8 - 10	16 - 20	16 - 20
DIMENSIONS (MM)	WIDTH	328	328	328	328	328	328	328
() = INC MOUNTINGS	DEPTH	104 (122)	104 (122)	104 (122)	104 (122)	104 (122)	104 (122)	104 (122)
HEIGHT		378 (420)	378 (420)	378 (420)	378 (420)	378 (420)	378 (420)	378 (420)
WEIGHT (KG)		5	5	5	5	5	5	5
PIPE SIZE (MM)	GAS	15.88	15.88	15.88	19.05	22.22	28.58	28.58
	LIQUID	9.52	9.52	9.52	9.52	9.52	12.7	15.88

Note: One air handling unit controller is required per air handling unit. Saturated refrigerant temperature at exit of evaporator

- = 8.5°C, SH = 5K, liquid temperature = 25°C, air = 27°CDB/19°CWB.
- *1 When the diameter of the heat exchanger tube is ø9.52.
- *2 P400 and P500 are not compatible with PURY and PQRY. *3 If using in combination with standard indoor units, then these figures do not apply.







Remote Controller

Individual Remote Controller

Centralised Remote Controller

The Importance of Control

The need for control is paramount in order to optimise the performance of any air conditioning system and minimise its running costs. Mitsubishi Electric offers a wide range of control options designed to meet such needs.

Operating an air conditioning system without the right control can prove costly. It's therefore important to ensure that every system is correctly specified to the degree of control it requires. Mitsubishi Electric have a wide range of controls available 'off-the-shelf' and individual control systems can be specifically designed to match.

Good controls will benefit any application, large or small. Air conditioning products need to react to a variety of factors: different room sizes, usage and staff levels; changes in the climate; electronic equipment and lighting...the list goes on. So whatever the application, optimum control of air conditioning systems is essential and will result in a constant, comfortable environment, which in turn is both energy and cost efficient.

A Degree of Difference

When an air conditioning system is not properly controlled, it will not run as efficiently as it should. For every degree that the system deviates from the required temperature, energy costs can rise by up to 5%. Specify one of the many control options from Mitsubishi Electric to ensure air conditioning works as intended, whilst giving the optimum amount of control.

The Simpler, The Better

With the array of comprehensive control systems available from Mitsubishi Electric, it becomes simple to design and install air conditioning systems. From a simple hand-held controller to an AE-200E system -you are in control.







System Controller

MITSUBISHI ELECTRIC's Air-conditioner Network System (MELANS) leads air conditioner management a PC browser and Network era.

MELANS Use of our MELANS products enhances EFFICIENCY and QUALITY of air-conditioning, contributing to ENERGY SAVING and reduction in running cost. We offer a wide variety of MELANS products to meet all requirements - from the smallest and simplest to the largest and most complex. We have individual remote controllers, various centralized controllers, and centralized integrated software, as well as BMS interface hardware and software etc. Above all, with AE-200E/AE-50E/EW-50E, PC browser and long distance remote control (monitoring and operating) via communication Network is possible and easy. Centralized Remote Controller Individual Remote Controller All of the local remote controllers feature liquid crystal and Advanced Touch Controller ON/OFF Remote Controller LED displays and easy to operate. Simple Remote Controller Wireless Remote Controller Remote Controller PAC-YT40ANRA AHC ADAPTER PAR-33MAA PAC-YT52CRA PAR-FL32MA PAR-FA32MA PAC-IF01AHC-J PAR-U02MEDA PI Controller EW-50E PAR-SA9FA-E PAR-SF9FA-E PAR-SL94B-E PAR-CT01MAA **DIDO Controller CITY MULTI OUTDOOR UNIT INDOOR UNIT** Al Controller S: PUMY PEFY PCFY Y: PUHY PMFY PKFY ● R2: PURY PLFY PFFY WY : PQHY ● WR2 : PQRY *1. Advanced HVAC CONTROLLER Interface Interface **BACnet®** transmission line (Ethernet) **Ethernet** LMAP04-E MITSUBISHI ELECTRIC's CITY MULTI can be easily connected to the building Modbus LONWORKS® management system through BACnet MS/TP transmission line **BUILDING MANAGEMENT SYSTEM**

^{*}Some controllers cannot be used in combination with certain models of devices.

Integrated Communications Control with Mitsubishi Electric's Unique Transmission Network (M-NET)

			Local remo	te controlle	r *7					System o	controller *	7		
Model	PAR-CT01MAA	PAR-33MAA	PAR-U02MEDA		PAR-FL32MA	PAR-SL100A-E	PAC- YT40ANRA	AT-50B	AE-	200E		:00E + / EW-50E	EW-	50E
Controllable Groups / Indoors	1 / 16	4.140	1 / 16	1 / 16	1 / 16	1/1	16 / 50			/ 50		/ 200		/ 50
(Group / Indoor) '6	1 / 10	1 / 16	1 / 16	1 / 16	1 / 16	1/1	16 / 50	50 / 50	AE-200E	Browser	AE-200E	Browser	EW-50E	Browser
■Operation														
ON / OFF	0	0	0	0	0	0	0	0	◎ ■	◎ ■	◎ ■	◎ ■	A	
Mode (cool / heat / dry / fan)	0	0	0	0	0	0	N	0	O	◎ ■	O	O	N	
Temperature setting	0	0	0	0	0	0	N	0	0	◎ ■	O	0	N	O
Dual set point *8	0	0	0	0	N	O*9	O*10	0	◎ ■	◎ ■	◎ ■	O	N	O
Local Permit / Prohibit	N	N	N	N	N	N	N	0	◎ ■	◎ ■	O	◎ ■	N	O
Fan speed	0	0	0	0	0	0	N	0	◎ ■	◎ ■	0 ■	0 ■	N	0 -
Air flow direction	0	0	0	0	0	0	N	0	◎ ■	◎ ■	◎ ■	◎ ■	N	O
Status monitoring	I ^	I ^	I 0	. ^		l ^	I @		l e		l e		I 4	_
ON / OFF Mode (cool / heat / dry / fan)	0	0	0	0	0	0	© N	0	0	0	0	0	A NI	0
Temperature setting	0	0	0	0	0	0	N N	0	0	0	0	0	N N	0
Local Permit / Prohibit	0	0	0	0	0	N	0	0	0	0	0	0	N N	0
Fan speed	0	0	0	0	0	0	N	0	0	0	0	0	N N	0
Air flow direction	0	0	0	0	0	0	N	0	0	0	0	0	N	00
Indoor temperature	0	0	0	0	N	N	N	0	0	0	0	0	N	0
Filter sign	0	0	0	N	N	N	N	0	0	0	0	0	N	0
Error flashing	0	0	0	0	0	N	0	0	0	0	0	0		0
Error code	0	Ö	0	0	N	N	Ö	0	Ö	Ö	Ö	0	N	0
Operation hour	N	N	N	N	N	N	N	N	N	N	N	N	N	N
■Scheduling														
One day	0	0	0	N	N	N	N	0	◎ ■	◎ ■	◎ ■	◎ ■	N	O I
ON / OFF times per day	1	1	1	N	1	1	N	16	24	24	24	24	N	24
Weekly	0	0	0	N	N	N	N	0	◎ ■	◎ ■	◎ ■	◎ ■	N	◎ ■
ON / OFF times per week	8 x 7	8 x 7	8 x 7	N	N	N	N	16 x 7	24 x 7	24 x 7	24 x 7	24 x 7	N	24 x 7
Annual	N	N	N	N	N	N	N	N	O I	◎ ■	◎ ■	◎ ■	N	◎ ■
Optimized start-up	N	N	N	N	N	N	N	N	0	0	0	0	N	0
Auto-OFF timer	0	0	0	N	N	N	N	N	N	N	N	N	N	N
Min. timer setting unit (minute)	5	5	5	N	10	10	N	5	1	1	1	1	N	1
■Recording														
Error log	0	0	N	N	N	N	N	0	0	0	0	0	N	0
Daily / monthly report	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Electricity charge	N	N	N	N	N	N	N	N	N	N	•	N	N	N
Energy management data	N	N	N	N	N	N	N	N	•	•	•	•	N	•
■Other		I ^	1 0	. ^	l N	l N	I NI I	NI.	l N	l NI	l Ni	LN	l N	NI.
Temp-set limitation by Local R / C	O *4	O *4	0	O *4	N N	N N	N N	N O*4	N N	N O*2 *4	N N	N O*2 *4	N N	N O*2 *4
Temp-set limitation by System controller	0 -4	0 4	0	0 4	N N	N N	N N	© -4	N N	N	N N	N N	N N	N
Operation lock Night setback	0	0	0	N	N	N	N N	0	0	O*2	0	O*2	N N	O*2
Sliding temperature control	N	N	N	N	N	N	N	N	0	O*2	0	O*2	N	O*2
BACnet® connection	N	N	N	N	N	N	N	N	•	•	•	•	•	
■Management (Group / Int		IN	IN	IN	IN	IN	IN	IN						
Ventilation interlock	N/O	N/O	N/O	N/O	N	l N	l o l	0	l o	0/0*2	0	0/0*2	l N	0/0*2
Group setting	O *1	0 *1	0	O *1	N	N	0	0	0	O*2	0	O*2	N N	O*2
Block setting	N N	N N	N	N N	N	N	N	N	0	O*2	0	O*2	N	O*2
Review of electricity charge	N	N	N	N	N	N	N	N	N	N N	N	N N	N	N N
■Operating on Lossnay int								. 4			.,,			
ON / OFF	N/O	N/O	N/O	N/O	N /O*5	N /O*5	⊘ / ⊘ *3	0/0	0/0	@/@	©/©	0/0	▲/▲	©/©
Fan speed	N/O	N/O	N/O	N N	N N	N N	N	0/0	0/0	0/0	0/0	0/0	N/N	0/0
Ventilation mode	N/N	N/N	N N	N	N	N	N	©/ N	@/ N	@/ N	@/ N	@/ N	N/N	©/ N
■Status monitoring on Los					.,	.,	.,	0.11	0/11	0/11	U/ 11	, .,		J. 11
ON / OFF	N/O	N/O	N/O	N/O	N	N	N	0/0	@/@	0/0	@/@	@/@	▲/▲	@/@
Fan speed	N/O	N/O	N/O	N N	N	N	N	0/0	0/0	0/0	0/0	0/0	N/N	0/0
Ventilation mode	N N	N N	N N	N	N	N	N	O/ N	O/ N	O/ N	O/ N	O/ N	N/N	O/ N
				.,	.,			0.11	0,11	07.11	0,11	0/11	/ 11	0.11

^{©:} Each group / Batched; O: Each group; \square : Block (for CITY MULTI Indoor unit, not for all Mr.SLIM); •: AE-200E/AE-50E/EW-50E license registration possible.

Air conditioner control system interface LMAP04-E:LonWorks® Interface

Controls up to 50 Groups/ 50 units, for details, refer to its description.



^{1.} Group setting via wiring between Indoor units with cross-over cable;
2. Installation possible at Initial setting web browser;
3. Interlock is set at Local remote controller.
4. This function can only be set on the ME remote controller.
This function cannot be used with the MA/Simple MA remote controller.
(However, the validity of this function with the MA/Simple MA remote controller depends on the indoor unit model, and it is possible to use this function with them.)
5. Interlock is set from system controllers (Except PAC-YT40ANRA) or local remote controllers.
6. The maximum number of controllable units decreases depending on the indoor unit model.
7. For indoor use only.
8. This function is supported only when all of the indoor units, remote controllers, and system controllers.

This function is supported only when all of the indoor units, remote controllers, and system controllers that are connected to a given group features said function.
 Function setting of this remote controller is necessary.
 Please contact your local distributor regarding the availability of this function.

MA Touch Remote Controller

PAR-CT01MAA



Multiple color patterns

180 color patterns can be selected for the display's control parameters or background.

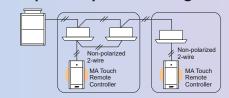


Language selection

The screen's display language can be selected from 14 languages.

English	French	Spanish	Italian
Portuguese	Greek	Turkish	Swedish
German	Dutch	Russian	Czech
Hungarian	Polish		

Example of system configuration



*When a PAR-CT01MAA is connected to a group, no other MA remote controllers can be connected to the same group.

Full color touch panel & backlit display

Visible big size icons on the full color touch panel display.













Touch Panel 3.5 inch/HVGA Full Color LCD

emperature setting Operation mod

Fan speed

e control Ventilation

ation Louver cor

Control parameter customization

Users can customize the panel to display the selected parameters only.

Hotel setting

A simple operation panel is liked by uses, especially in hotels. It is capable of displaying only ON/OFF, set temp., fan speed.



Logo image customization

A logo image can be displayed on the initial screen.

* For PAR-CT01MAA-SB and PAR-CT01MAA-PB models only





O







PAR-CT01MAA-SB

PAR-CT01MAA-PB

PAR-CT01MAA-S

Dimensions: 65(W) x 120(H) x 14.1(D) mm : 2-9/16(W) x 4-3/4(H) x 9/16(D) in.

Dimensions: 68(W) x 120(H) x 14.1(D) mm : 2-11/16(W) x 4-3/4(H) x 9/16(D) in.

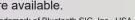
Dimensions: 65(W) x 120(H) x 14.1(D) mm : 2-9/16(W) x 4-3/4(H) x 9/16(D) in.

For PAR-CT01MAA-SB and PAR-CT0 I MAA-PB models

Bluetooth® low energy technology

Remote controller can communicate with smart phone or tablet device via Bluetooth Low Energy. User & Setting App are available.







* The Bluetooth® word mark is trademark of Bluetooth SIG, Inc., USA. * Contact the sales company for information on "Bluetooth" function.

<User App>







* For iOS (10.0 or later)





User App

To download the App, scan the QR code.
*QR code is a registered trademark of DENSO WAVE INCORPORATED.

 Functions 	○: Each grou	ıp X∶Not	available
Item	Description	Operations	Display
ON/OFF	Switches between ON and OFF.	0	0
Operation mode switching	Switches between Cool/Dry/Fan/Auto/Heat.	0	0
Temperature setting	Changes the set temperature. * Set temperature range varies depending on the indoor unit model.	0	0
Air flow direction setting	Changes airflow direction. * Available airflow directions vary depending on the model.	0	0
Louver setting	Switches between louver ON/OFF.	0	0
Ventilation equipment control	Interlocked setting and interlocked operation setting with CITY MULTI Lossnay units can be performed. The Stop/Low/High settings of the ventilation equipment can be controlled.	0	0
Error information	When an error occurs, an error code and the unit address appear. Air conditioning unit model, serial number, and contact number can be set to appear when an error occurs. (The information above needs to be entered in advance.) * An error code may not appear depending on the error.	-	0
Timer	ON/OFF timer Turns ON and OFF daily at a set time. • Time can be set in 5-minute increments. • It is also possible to set the ON time only or the OFF time only. Auto-OFF timer Turns off the unit after a certain period of operation. • Operation time can be set to a value from 30 to 240 minutes in 10-minute increments.	0	0
Allows/disallows local operation	The following operation can be prohibited by applying certain settings on the centralized controller: ON/OFF, operation mode setting, temperature setting, fan speed, air direction, and filter sign reset. * While an operation is prohibited, the operation icon lights up (only on the Main display in "Full" mode).	x	0
Operation lock	The following operations can be prohibited: "Location," "On/Off," "Mode," "Set temp.," "Menu," "Fan," "Louver," or "Vane."	0	0
Temperature range restriction	The room temperature range for each operation mode can be restricted.	0	0
Auto return	The units operate at the preset temperature after a designated period. (Time can be set to a value from 30 to 120 minutes in 10-minute increments.) * Not valid when the temperature setting range is restricted.	0	х
Fan speed setting	Changes fan speed. * Available fan speeds vary depending on the model.	0	0
Auto descending panel *1	Raises and lowers the automatic elevating panel.	0	0
Daylight saving time	The start/end time for daylight saving time can be set. The daylight saving time function will be activated based on the settings.	0	0
Weekly timer	Weekly ON/OFF times and set temperatures can be set. • Time can be set in 5-minute increments. Up to 8 schedule patterns can be set per day of the week. • Not valid when the ON/OFF timer is set.	0	0
Night setback	The temperature range and the start/stop times can be set.	0	0
Bluetooth connection, Bluetooth, Screen update	The Bluetooth connection information can be acquired. Using an Application, a logo image as well as settings data can be sent to the remote controller. * For PAR-CT01MAA-SB and PAR-CT01MAA-PB models only	0	0
Remote controller information	The version of the remote controller can be checked. * For PAR-CT01MAA-SB and PAR-CT01MAA-PB models only	_	0

^{*1.} Some models will have different display for the air flowdirection and fan speed. Set the air flow direction and fan speed when performing initial setting.

Wired MA remote controller

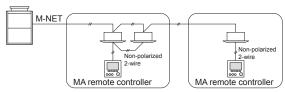




PAR-33MAA

Dimensions: 120(W) x 120(H) x 19(D) mm : 4-3/4(W) x 4-3/4(H) x 3/4(D) in.

· Example of system configuration



*When a PAR-33MAA is connected to a group, no other MA remote controllers can be connected to the same group.

• Backlit LCD (Liquid Crystal Display)

Large, easy-to-see display Full-dot LCD display with large characters for easy viewing Contrast also adjustable

Night Setback

When the room temperature goes outside of a certain range during the predetermined period, this function automatically starts heating or cooling operation to prevent dew condensation or an excessive temperature increase in the room.

· Language selection

The screen's display language can be selected from 8 languages.

English, French, Spanish, Italian, Portuguese, Greek, Turkish. Swedish

• 3D i-see sensor

Settings for 3D i-see sensor can be performed.

Draft reduction

"Close" has been added to the manual vane angle selection. The air outlet can be closed to reduce drafts from the air conditioner.

Auto descending panel*

Panels can be lowered/raised using the remote controller. The descending distance of the panel can also be selected.

*The availability of the function depends on the indoor unit model. For details, please contact your local distributor.

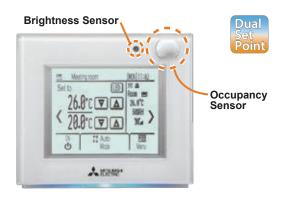
Functions

○: Each group X: Not available

Item	Description	Operations	Display
ON/OFF	Switches between ON and OFF.	0	0
Operation mode switching	Switches between Cool/Dry/Fan/Auto/Heat.	0	0
Room temp. setting	Changes the set temperature. * Set temperature range varies depending on the indoor unit model.	0	0
Air flow direction setting	Changes airflow direction. * Available airflow directions vary depending on the model.	0	0
Louver setting	Switches between louver ON/OFF.	0	0
Ventilation equipment control	Interlocked setting and interlocked operation setting with CITY MULTI Lossnay units can be performed. The Stop/Low/High settings of the ventilation equipment can be controlled.	0	0
Error information	When an error occurs, an error code and the unit address appear. The air-conditioning unit model, serial number, and contact number can be set to appear when an error occurs. (The above information needs to be entered in advance.) *An error code may not appear depending on the error.	_	0
Timer	ON/OFF timer Turns ON and OFF daily at a set time. • Time can be set in 5-minute increments. • It is also possible to set the ON time only or the OFF time only. Auto-OFF timer Turns off the unit after a certain period of operation. • Operation time can be set to a value from 30 to 240 minutes in 10-minute increments.	0	0
Allows/disallows local operation	The following operation can be prohibited by applying certain settings on the centralized controller: ON/OFF, operation mode setting, temperature setting, fan speed, air direction, and filter sign reset. While an operation is prohibited, the operation icon lights up (only on the Main display in "Full" mode).	х	0
Operation lock	The following operations can be prohibited: ON/OFF, operation mode setting, temperature setting, and airflow direction setting.	0	0
Temperature range restriction	The room temperature range for each operation mode can be restricted.	0	0
Auto return	The units operate at the preset temperature after a designated period. (Time can be set to a value from 30 to 120 minutes in 10-minute increments.) * Not valid when the temperature setting range is restricted.	0	×
Daylight saving time	The start/end time for daylight saving time can be set. The daylight saving time function will be activated based on the setting contents.	0	0



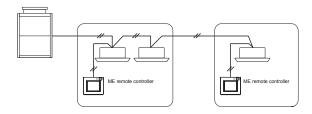
ME remote controller



PAR-U02MEDA

Dimensions : $140(W) \times 120(H) \times 25(D) \text{ mm}$: $5-9/16(W) \times 4-3/4(H) \times 1(D) \text{ in.}$

• Example of system configuration



Occupancy Sensor

The occupancy sensor detects vacancy for energy-save control.

• Touch Panel & Backlit LCD

The touch panel shows the operation settings screen. When the backlight is off, touching the panel turns on the backlight, and it will stay lit for a predetermined period of time.

LED Indicator

The LED indicator indicates the operation status in different colors. The LED indicator lights up during normal operation, lights off when units are stopped, and blinks when an error occurs.

• Brightness Sensor

The brightness sensor detects the brightness of the room for energy-save control.

• Temperature & Humidity Sensor

The sensor detects the room temperature and the relative humidity.

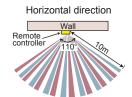
• Device control via AHC (Advanced HVAC Controller)

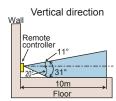
Allows for control of other manufacturer's products connected via AHC

· Auto (dual set point) modes

Two set temperatures (one each for cooling and heating) can be set

Occupancy Sensor detection zone





• Functions

○:Each group ×:Not available

Item	Description	Operations	Display
ON/OFF	Switches between ON and OFF.	0	0
Operation mode switching	Switches between Cool / Dry / Fan / Heat / Auto. Operation modes vary depending on the indoor unit model. Auto mode is for CITY MULTI R2, and WR2-Series only.	0	0
Temperature setting	Changes the set temperature. * Set temperature range varies depending on the indoor unit model.	0	0
Fan speed setting	Changes fan speed. * Available fan speeds vary depending on the model.	0	0
Air flow direction setting	Changes airflow direction. * Available airflow directions vary depending on the model.	0	0
Allows/disallows local operation	The following operation can be prohibited by applying certain settings on the centralized controller: ON/OFF, operation mode setting, temperature setting, fan speed, air direction, and filter sign reset. * While an operation is prohibited, the operation icon lights up.	×	0
Error information	When an error occurs, an error code and the unit address appear. A contact number can be set to appear when an error occurs. (The above information needs to be entered in the Service menu.)	_	0
Schedule (Weekly timer)	Weekly ON/OFF times, operation mode, and set temperatures can be set. • Time can be set in 5-minute increments. Up to 8 schedule patterns can be set per day of the week. * Not valid when the ON/OFF timer is set.	0	0
Timer	ON/OFF timer Turns ON and OFF daily at a set time. • Time can be set in 5-minute increments. • It is also possible to set the ON time only or the OFF time only. Auto-OFF timer Turns off the unit after a certain period of operation. • Operation time can be set to a value from 30 to 240 in 10-minute increments.	0	0
Energy-save control during vacancy	When vacancy is detected by the occupancy sensor, the energy-save control assist function is activated. Four control types are available for selection: ON/OFF/Set temperature/Fan speed/Thermo-off. The brightness sensor can be used in conjunction with the occupancy sensor to detect the occupancy/vacancy status more accurately.	0	0



Individual Remote Controller

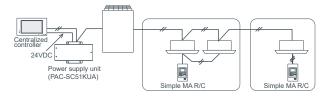
Simple remote controller PAC-YT52CRA (MA)





Dimensions: 70(W) x 120(H) x 14.5(D) mm : 2-3/4(W) x 4-23/32(H) x 9/16(D) in.

Example of system configuration



Dual Set Point

When the operation mode is set to the Auto (dual set point) mode, two preset temperatures (one each for cooling and heating) can be set. Depending on the room temperature, indoor unit will automatically operate in either the Cool or Heat mode and keep the room temperature within the preset range.

*Please contact your Mitsubishi Electric sales office for details.

Backlit LCD

Backlight for operation in dark places

Flat Back

Slim, flat design - install without creating a hole in the wall Thickness is less than 14.5mm [0.6(in)]

Vane Button (standard)

The Vane button has been added to allow the user to change airflow direction (ceiling-cassette and wall-mounted types).

Pressing the wull switch the vane directions.



- *The settable vane direction varies depending on the indoor unit model to be connected.
- * If the unit has no vane function, the vane direction cannot be set. In this case, the vane icon blinks when the $\sqrt[\infty]{u}$ button is pressed.
- The only wiring required is cross-over wiring based on two-wire signal lines
- Room temperature sensors are built-in
- · Can operate all types of indoor units

*Since this controller has limited functions, it should always be used in conjunction with standard controller or centralized controller.

LCD temperature setting and display in 1°C /1°F increments

Functions

	: Each unit : Each group	X : Not ava	ailable
Item	Description	Operations	Display
ON/OFF	Changes between ON and OFF.	0	0
Operation mode switching	Select from COOL, DRYING, FAN, AUTO, and HEAT. * AUTO mode is settable only when those functions are available on the indoor unit.	0	0
Temperature setting	The temperature can be set within the following range. Cool/Drying: 19°C - 35°C/67°F - 95°F Heat: 4.5°C - 28°C/40°F - 83°F Auto (single set point): 19°C - 28°C/67°F - 83°F Auto (dual set points) [Cool] Same as the set temp. range for Cool mode. [Heat] Same as the set temp. range for Heat mode. * Set temperature range varies depending on the model.	0	0
Fan speed setting	Changes the fan speed. * The settable fan speed varies depending on the indoor unit model to be connected.	0	0
Permit / Prohibit local operation	By setting a centralized controller, the following local operations are prohibited: ON/OFF; operation mode; preset temperature; The CENTRAL icon appears while the local operations are prohibited.	х	0
Error	Displays the current error status with the address. * The address may not be displayed depending on the error status.	×	
Ventilation equipment	When the CITY MULTI indoor unit is connected, interlocked setting of the CITY MULTI LOSSNAY unit is possible. When the Mr. SLIM indoor unit (A-control) is connected, interlocked operation of the microcomputer-type LOSSNAY unit is possible.	0	0
Set temperature range limit	The preset temperature range can be restricted for each operation mode (COOL/HEAT/AUTO).	0	0

Wireless remote controller



PAR-FL32MA

Dimensions: 58(W) x 159(H) x 19(D) mm : 2-5/16(W) x 6-5/16(H) x 3/4(D) in.



PAR-SL100A-E (PLFY-P VFM only)

Dimensions: 66(W) x 188(H) x 22(D) mm : 2-5/8(W) x 7-13/32(H) x 7/8(D) in.



PAR-FA32MA

Dimensions: 70(W) x 120(H) x 22.5(D) mm : 2-3/4(W) x 4-3/4(H) x 7/8(D) in.



PAR-SA9FA-E

(4-way Cassette signal receiver) Dimensions: 256(H) x 19(D) mm



PAR-SF9FA-E

(2 x 2 Cassette signal receiver) Dimensions: 214(H) x 25.5(D) mm



PAR-SL94B-E

(Wireless remote controller kit for ceiling-suspended type) Dimensions: 182(W) x 57(H) x 31(D) mm

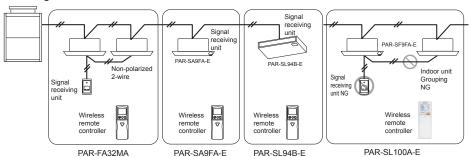
- No need to configure addresses for group operation
 Lit LED keeps you informed of operation the LED also provides you with error codes via the number of blinks.
 Can be used with the MA remote controller
- *When used in group configurations, wiring between indoor units is required.
- *Combining ME remote controller and/or Lossnay remote controller in a group is not possible.

 Multiple indoor units cannot be controlled from the PAR-SL100A-E.

 Only one indoor unit can be used in each group.

 LCD temperature setting and display in 1°C/1°F increments

· Example of system configuration



Compatibility table

Compatibility table		
	Receiver	Transmitter
PMFY-P*VBM		
PLFY-P*VLMD		
PFFY-P*VKM		
PEFY-P*VMR-E/R/VMH(S)	PAR-FA32MA	PAR-FL32MA
PFFY-P*VLEM/VKM/VLRM/VLRMM		
PEFY-P*VMS1(L)		
PEFY-P*VMA(L)		

	Receiver	Transmitter	
PCFY-P*VKM	PAR-FA32MA PAR-SL94B-E		
PLFY-P*VBM-E	PAR-SA9FA-E	PAR-FL32MA	
PKFY-P*VBM-E PKFY-P*VHM/VKM	Built-in		
PLFY-P*VFM-E1	PAR-SF9FA-E	PAR-SL100A-E	NEW

• Functions

|--|

	O. 2451 gloup	/(
Item	Description	Operations	Display
ON/OFF	ON and OFF operation for a single group	0	0
Temperature setting	Changes the set temperature. * Set temperature range varies depending on the indoor unit model.	0	0
Air flow direction setting	Air flow direction angles (4-angle, Swing) Auto Louver ON/OFF. Air flow direction settings vary depending on the model.	*	*
Timer operation	One ON/OFF setting can be set per day.	0	0
Permit / Prohibit local operation	Individually prohibit operation of each local remote control function (ON/OFF, Change operation mode, Set temperature, Reset filter). *1 If operation is performed when the local remote controller inactivation command is received from the main system controller, a buzzer will sound and an LED will flash.	x	O*1
Ventilation equipment	Up to 16 indoor units can be connected to an interlocked system that has one Lossnay. The Lossnay will run in interlock with the operation of the indoor unit. *2 The fan rate and mode cannot be changed.	X*2	Х

^{*}Some models will have a different display for the air flowdirection and fan speed. Set the air flow direction and fan speed when performing initial settings.



Centralised Remote Controller

With our new Advanced Touch Controller AT-50B, easy and simple operation on the touch panel offers an optimal air environment for individual unit.

Advanced Touch controller AT-50B



Dimensions: 180(W) x 120(H) x 30(D) mm : 7-2/16(W) x 4-12/16(H) x 1-3/16(D) in.

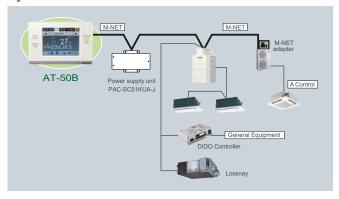


- Temperature will be displayed either in Centigrade in 0.5or 1-degree increments, or in Fahrenheit, depending on the indoor unit model and the display mode setting on the remote controller
- Dual set point

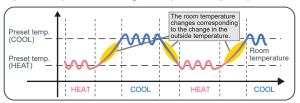
When the operation mode is set to the Auto (dual set point) mode, two preset temperatures (one each for cooling and heating) can be set. Depending on the room temperature, indoor unit will automatically operate in either the Cool or Heat mode and keep the room temperature within the preset range.

*Please contact your Mitsubishi Electric sales office for details.

System structure



Operation pattern during Auto (dual set point) mode



Design

Backlit LCD (Liquid Crystal Display) Touch Panel

5-inch color LCD touch panel enables easy and simple operation.

The backlight lights up when the panel is touched, and lights off after certain period of time.

The touch panel displays the operation status of the units in GRID, LIST or in GROUP.









Functions

Three in one

The following three features are integrated into AT-50B.

- Control up to 50 indoor units from one location
- A weekly programmable timer, being able to control up to 50 indoor units
- Control up to 50 units/50 groups of air conditioners

Weekly and daily schedule

5 patterns of one day and 12 patterns of weekly schedule (16 settings max. per pattern).

Two types of weekly schedule can be set.

System changeover

Operation mode can be switched depending on indoor temperature setting and target temperature of each group or a representative indoor unit.

Functions [Basic Functions]

- ON/OFF Operation mode switching
- Temperature setting
 Fan speed setting
- Airflow direction setting
 Louver setting

Night setback function

This function allows having a two-temperature setting to keep the desired room temperature when the units are not in operation and during the time this function is effective. The unit automatically starts heating (cooling) operation when the temperature drops below (rises above) the preset lower (upper) limit temperature. This is not only for comfort environment, but also for saving energy.

Main system controller/Sub system controller

AT-50B can be set to Sub System controller. When connecting multiple system controllers, designate the system controller with many functions as the "Main", and set the system controllers with few functions as the "Sub".

Simple button arrangement

The F1 (Function 1) and the F2 (Function 2) button can be set as a run button of the following collective operation. (Setback/Schedule/Operation Mode/Temperature Correction/Remote Controller Prohibition)

Advanced Functions

	☐: Each unit ☐: Each group ☐: Group or collective	X: Not ava	ilable
Item	Description	Operations	Display
Permit / Prohibit	The ON/OFF, operation mode, setting temperature, fan speed, air direction, filter sign reset operations, and timer using the local remote controllers can be prohibited. Only ON/OFF and filter reset can be prohibited for the LOSSNAY group. *The settable items vary depending on the models.	0	0
Operation lock	The operation lock can be set to the input operation of AT-50B. Each button can be set. (Function Button 1, Function Button 2, Collective ON/OFF, Touch Panel) Each function can be set. (Operation mode, Setting temperature, Fan speed, Menu button) The password for the lock release can be set.	0	0
Error display	When an error is currently occurring on an air conditioner unit, the afflicted unit and the error code are displayed. * When an error occurs, the "ON/OFF" LED flashes. The operation monitor screen show abnormal icon over the unit. The error monitor screen shows the abnormal unit address and error code. The error log monitor screen shows the time and date, the abnormal unit address, error code and source of detection.	x	
Ventilation (independent)	Switches the mode "Bypass/Heat recovery/Auto" for LOSSNAY groups.	0	0
Ventilation (interlocked)	The LOSSNAY will run in interlock with the operation of indoor unit. The mode cannot be changed. The LED will turn ON during operation after interlocking.	0	0
Temperature-set limitation	Batch-setting to temperature range limit at cooling, heating, and auto mode. This function cannot be used with the MA remote controller. (Depends on the indoor unit model.)	0	0
Specific mode operation prohibit (Cooling prohibit, heating prohibit, cooling/ heating prohibit)	When set as the main controller, operation of the following modes with the local remote controllers can be prohibited. When cooling is prohibited: Cooling, dry, automatic can not be chosen. When heating is prohibited: Heating, automatic can not be chosen. When cooling/heating is prohibited: Cooling, dry, heating, automatic can not be chosen.	0	0
External input (Emergency stop input, etc.)	The following input with level signals or pulse signals are available. Level signal: "Emergency stop input" or "Collective ON/OFF" Pulse signal: "Collective ON/OFF" or "Local remote controller prohibit/permit" One input can be selected from those above. * An external input/output adapter (PAC-YT51HAA (sold separately)) is required. Relays and DC power supply or other devices must be prepared at the site.	0	0
External output (Error output, operation output)	"ON/OFF" and "error/normal" are output with the level signal. * An external input/output adapter (PAC-YT51HAA (sold separately)) is required. Relays and DC power supply or other devices must be prepared at the site.	0	0
Checking the Gas Amount	Use this function to check for refrigerant leak from the outdoor unit. * When this function is used, the gas amount checking function of the outdoor unit cannot be used. This function is for CITY MULTI R2 and Y (PUMY is excluded.) series only.		
Schedule operation	Weekly schedule setting up to 12 pattern is available. In one pattern, up to 16 setting of "ON/OFF", "Operation mode", "Set Temperature", "Fan speed", "Air flow direction" and "Permit / Prohibit local operation" can be scheduled. Two types of weekly schedule(Summer/Winter) can be set. Today's schedule setting up to 5 pattern in available.	0	0

^{*} Depending on the installation conditions, power supply unit (PAC-SC51KUA) is required. Please contact your local distributor or MITSUBISHI ELECTRIC branch office for further information.



Remote Controller

Centralised controller



AE-200E/AE-50E

Dimensions: 284(W) x 200(H) x 65(D) mm : 11-3/16(W) x 7-7/8(H) x 2-9/16(D) in.



- Promotes energy savings through the comprehensive display of the air-conditioning equipment's energy consumption.
- Energy consumption of the air-conditioning equipment can be displayed by individual area in graph form for easier viewing.
- Users can easily confirm the operating status by comparing power consumption of the previous year, as well as with the electrical power target.
- Floor layout is displayed on the 10.4-inch LCD touch panel for easier management of air-conditioning equipment
- An optimal system can be easily and flexibly established according to a facility's scale.
- Up to 50 indoor units can be managed.
- Centralized control of up to 200 indoor units can be performed with three "AE-50E/EW-50E" expansion controllers.
- More than 200 indoor units can be managed by connecting the PC to the web browser.
 - *1. Please contact your local distributor regarding support for this feature.
- Features for operating and monitoring the hot water heat pump are also available on PWFY, CAHV, CRHV, QAHV, and EAHV/EACV.
- Centralized batch control on PWFY, CAHV, CRHV, QAHV, and EAHV/EACV is possible in addition to that on air-conditioning unit.
- Control Screen for Power Consumption



Energy consumption of a targeted area is displayed by the month, day, and hour.

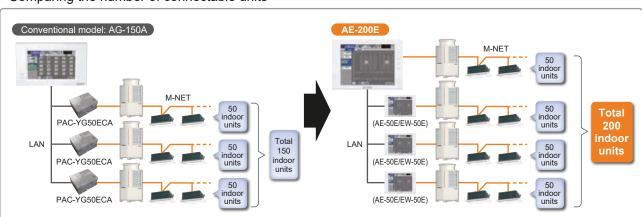
Energy consumption of two different units, groups, and blocks can be compared.

Fan operation time and energy consumption can be displayed.



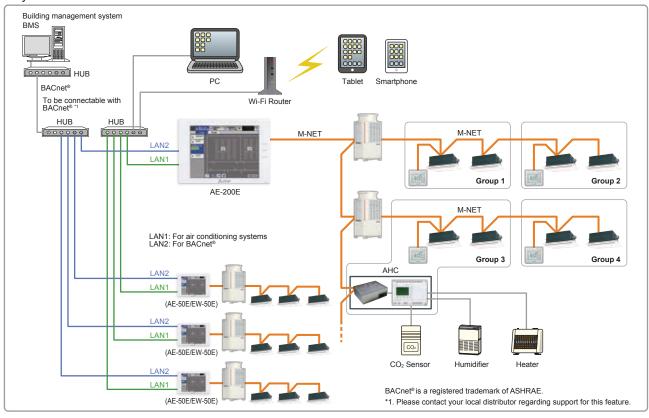
Energy consumptions of air-conditioning equipment are ranked and displayed by individual equipment and by area, thus visualizing high-load components. Energy consumption can also be compared with electrical energy targets.

· Comparing the number of connectable units





• System structure



• Functions

 $\begin{tabular}{ll} $\square:$ Each unit $O:$ Each group $\bullet:$ Each block $\Delta:$ Each floor $0:$ Collective $\times:$ Not available \\ \end{tabular}$

Item	Description	Operations	Display
Controllable number of units	Up to 50 units/50 groups		
ON/OFF	ON and OFF operation for the air conditioning units and general equipment. (PAC-YG66DCA is required to operate general equipment.)	004	00
Operation mode	Switches between several operation modes depending on the air conditioning unit. Air conditioning unit: Cool/Dry/Auto(*)/Fan/Heat Lossnay unit: Heat Recovery/Bypass/Auto CAHV, CRHV, Air To Water (PWFY) units: Heating, Heating ECO, Hot Water, Anti-freeze, Cooling(**) *Auto mode is for CITY MULTI R2 and WR2 Series only. ** Only PWFY	○◎△●	0
Temperature setting	Changes the set temperature. * Set temperature range varies depending on the indoor unit model.	004	0
Fan speed setting	Models with 4 air flow speed settings: Hi/Mid-2/Mid-1/Low Models with 3 air flow speed settings: Hi/Mid/Low Models with 2 air flow speed settings: Hi/Low Fan speed setting (including Auto) varies depending on the model.	○ ◎ △ ●	0
Air flow direction setting	Air flow direction angles, 4-angles or 5-angles Swing, Auto (Louver cannot be set)	004	0
Schedule operation	Weekly schedule can be set by groups based on daily operation pattern.	0040	0
Permit/prohibit local operation	Individually prohibits operation of each local remote controller function. (ON/OFF, Operation mode, Set temperature, Filter sign reset, Air Direction*, Fan Speed*, Timer*) * This function depends on the model.	004	0
Indoor unit intake temperature	Measures the intake temperature of the indoor unit only when the indoor unit is operating.	×	0
Error	When an error is occurring on an air conditioning unit, the affected unit and the error code are displayed.	×	
Test run	This operates air conditioning units in test run mode.	0040	0
Ventilation interlock	The ventilation unit (Lossnay) is able to automatically start its operation when operation of the interlocked indoor unit starts.	0040	0
External input/output	By using optional external input/output adapter (PAC-YG10HA-E) you can set and monitor the following: Input: By level signal: "Batch ON/OFF", "Batch emergency stop" By pulse signal: "Batch ON/OFF", "Enable/disable local remote controller" Output: "ON/OFF", "Error/Normal"	0	0
Energy Management	Bar Graph: Indoor unit Electric Energy, FAN operation time, Thermo-ON time (TOTAL, Cooling, Heating) can be displayed hourly, daily, and monthly. Line Graph: Outdoor temp., Room temp., Set temp. (Heating, Cooling) input from PAC-YG63MCA and temp. from AHC.	×	□○●
Advanced HVAC Controller (AHC)	The status of AHC can only be monitored.	×	0
ME remote controller	The status of sensor on this controller can be monitored.	×	0
Smartphone/Tablet	The specified web browser on iOS and Android OS can monitor and operate the AE-200E/AE-50E/EW-50E. *1	0	0
New web design	Revised web screen design for a more user friendly interface. *1	004	0
nitial setting software	The initial setting can be configured without the connection of AE-200E/AE-50E/EW-50E. *1	×	×
Apportionment of power consumption	Apportionment of power consumption can be calculated on AE-200 without TG-2000A. *2	•	
BACnet® communication	ANSI/ASHRAE 135-2010 (ISO16484-5) is supported and approved by the BTL. *1		×



Centralised controller



Dimensions: 209(W) x 172(H) x 92(D) mm : $8-1/4(W) \times 6-25/32(H) \times 3-5/8(D)$ in.

Main Features

Can be used as an expansion controller for the AE-200E Up to 200 indoor units can be operated and monitored by connecting three EW-50E units to an AE-200E controller.

Function to apportion electricity charges

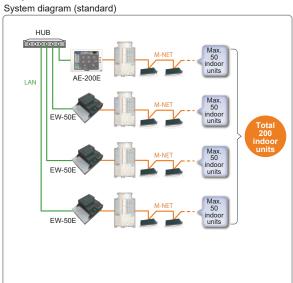
System diagram (with charge setting)

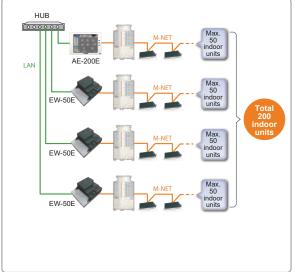
The power consumption of each air conditioner can be calculated with an AE-200E controller. The calculated data can be output to a PC via a USB memory device or LAN, and billing charges can be prepared using a specific charge calculation tool.

*To use the function to apportion electricity charge, the AE-200E and EW-50E are required.

*For other restrictions, refer to the Installation Manual and Instruction Book.

System Structure





When the AE-200E M-NET is not used, a maximum of four EW-50E units can be connected.

Charge calculation HUB EW-50E EW-50E AE-200E EW-50E M-NET EW-50E

· Air conditioner units can be operated and monitored independently using a PC

Even without an AE-200E controller, the EW-50E can operate and monitor air conditioner units using browser software1. Air conditioners can be operated and monitored remotely via the Internet. In addition, air conditioners in multiple buildings can be operated collectively.*2

- * 1. This operation has been confirmed on Internet Explorer 11, Edge or on Google Chrome ver.54, and Safari10.
 - Microsoft® Internet Explorer is a trademark or registered trademark of Microsoft Corporation in the United States and other countries. Google is a registered trademark of Google Inc.
 - Google Chrome is a registered trademark of Google Inc. in the U.S. and other countries.
 - Edge is a trademark or registered trademark of Microsoft Corporation in the U.S. and other countries.
 - Internet Explorer is a trademark or registered trademark of Microsoft Corporation in the U.S. and other countries.
 - Windows is a trademark or registered trademark of Microsoft Corporation in the U.S. and other countries.
 - Safari is a trademark or registered trademark of Apple Inc. in the U.S.
 - Company names and product names in this brochure may be trademarks or registered trademarks of the respective rights holder.
- * 2. When connecting an EW-50E via the Internet, do not connect the EW-50E directly to the Internet. Instead, always connect via a router using the VPN function to ensure security.



· Manage air conditioner usage conditions

Energy consumption of air conditioners can be displayed in an easy-to-understand manner using a web browser.

* For the billing function, PI Controller and watt-hour meter with pulse transmitter (locally available one) are required.







• Operable without the transmission line power supply unit

The EW-50E unit is equipped with a power supply function. Power supplied by a transmission line power supply unit is not necessary. Since an outside power supply is not needed, self-sustained operation is possible even when the outdoor unit system is down. (In cases where the power consumption factor exceeds 1.5, a power supply unit is needed.)



· Energy-saving control

With the addition of an energy-saving control license (optional product), the set temperature can be automatically changed*1 according to the room temperature around the air conditioner unit to allow greater energy savings without sacrificing comfort.

* 1. With this function, the set temperature can be changed in +2°C/2°F increments for cooling and -2°C/2°F increments for heating during a set time interval. In cases where the intake temperature and the set temperature are significantly different, exclusion from the energy-saving target is possible.

Functions

* The functions and specifications are subject to change.

Notes
 1. Some items do not support the multi group setting and display.

Item	Remarks	Setting	Display
ON/OFF	Switches air conditioners and general equipment ON or OFF.	0	0
Operation mode switching	Switches to cool, dry, auto, fan, or heat operation. *Some modes are not available depending on the unit.	0	0
Room temperature setting	Changes the set temperature. * Set temperature range varies depending on the indoor unit model.	0	0
Set temperature 0.5°C/1°F increments	The temperature can be set and displayed in 0.5°C/1°F increments. * With some unit combinations, the temperature is set in 1°C/1°F increments.	0	0
Fan speed setting	The fan speed can be set to 4 levels, 3 levels, 2 levels, or automatic. * Available fan speeds differ depending on the unit.	0	
Air direction setting	Fixed swing in 5 levels or auto air direction can be set. * Available air directions differ depending on the unit.	0	0
Prohibition of local remote controller operation	It is possible to disable the ability to use local remote controllers to run or stop the operation mode, set temperature, filter sign reset, wind speed, wind direction and timer operation. * In the Lossnay group, only ON/OFF and filter reset can be disabled. * Disabling of the fan speed, air direction, and timer operation can be set for the AT-50B, PAR-33MA, PAR-U02MEDA, and PAC-YT52CR models.	0	0
Room temperature display	Displays the suction temperature of the indoor unit.	_	0
Error display	Displays the current error content together with the address.	_	0
Schedule operation	Today/weekly/weekly by season/yearly Setting content: ON/OFF, operation mode, set temperature, disable local remote controller, air direction/fan	0	0
Energy management	Displays the power consumption* or operating hours. * Optional part required.	_	0
Ventilator operation (solo)	Group operation is possible for free plan Lossnay units only. * The above group operation mode includes auto ventilation, heat exchange, and normal ventilation.	0	0
Ventilator operation (interlocked)	Free plan Lossnay units and indoor units can be interlocked and operated together. * At this point, air volume can be operated, but the ventilation mode cannot be selected.	0	0
External input (timer connection, emergency stop input, etc.)	Using a level signal or pulse signal, it is possible to input the following: Level signal: Emergency Stop Input, Batch ON/OFF, and Demand Input. Pulse signal: Batch ON/OFF or Operation Disable/Enable Requires an external power supply and external I/O adapter (PAC-YG10HA) sold separately. Only one input can be selected from the above inputs.		_
External output (error output, operation output)	Using the level signal, ON/OFF, and Error/Normal are output. * Reguires an external power supply and external I/O adapter (PAC-YG10HA) sold separately.	_	
Web browser	Monitor/operation, failure, filter sign monitoring, schedule setting, interlocked control setting (option), energy-saving control setting (option), energy-saving peak cut setting (option), set temperature range restrictions, other	0.,	O *1
Filter reset	Filter sign reset	0	0
Connectable location	Centralized system transmission line: Connectable Recommended Indoor and outdoor transmission line: Connectable	_	_

^{*} Functions and specifications differ depending on the connected equipment and model.



Felectric energy can be proportionally divided using the EW-50E alone.

However, the apportioned electricity charge function requires an AE-200E or TG-2000A.

Connectable equipment: CITY MULTI, HYBRID CITY MULTI A Control Mr. Slim (Can be connected using an M-NET adapter or special outdoor unit) Room air conditioner (Requires a system control interface or M-NET control interface)
Lossnay/OA Processing Unit
Al controller, PI controller, DIDO controller

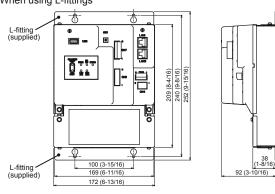
SPECIFICATIONS -

Item	Description				
No. of indoor units that can be connected and controlled	Up to 50 units*1 per EW-5		0E		
Monitoring/operation	Web-based mo	nitoring ar	nd operation, or monitoring and operation through the AE-200E LCD display		
Product dimensions	209 mm (H) ×1	72 mm (W	') × 92 mm (D)		
Power supply	AC100 to AC24	IOV (50/60	Hz)		
Power feeding coefficient	1.5				
Communication I/F	Power supply fi	Power supply from the main unit (power supply switching connector: CN40)			
Communication //	M-NET/LAN (100BASE-TX)				
Operating environment	Temperature	-10 to 55	-10 to 55°C		
Operating environment	Humidity	30 to 90% RH (Non-condensing)			
Installation conditions	Only in a metal control box Note: For indoor installation only 2		box Note: For indoor installation only*2		
Housing material	Electro-galvanized steel sheet		I sheet		
	Power supply, ground		Recommended type: VCT, VVF, VVR or its equivalent		
Applicable wire size			Wire size: 2mm² or more (Ø1.6mm or more)		
Applicable wife size	M-NET		2-core cable with shielded wire		
			CPEVS: Ø1.2mm to Ø1.6mm CVVS: 1.25mm² to 2mm²		

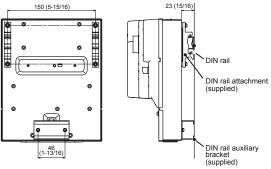
^{*1.} Depending on the indoor unit model used, the maximum number of units that can be managed may be less. If the DIDO controller (PAC-YG66DCA) is used, the number of units is less due to the number of channels provided. (1ch corresponds to one managed unit.)
*2. The product should be used in a business office environment, or the equivalent.

EXTERNAL DIMENSIONS

■ When using L-fittings







AHC adapter



PAC-IF01AHC-J

Dimensions: $116(W) \times 90(H) \times 40(D) \text{ mm}$: $4-9/16(W) \times 3-1/2(H) \times 1-9/16(D) \text{ in.}$ The Advanced HVAC CONTROLLER (AHC) comprises MITSUBISHI ELECTRIC'S AHC ADAPTER (PAC-IF01AHC-J) and α2 SIMPLE APPLICATION CONTROLLER* (ALPHA2).

*a2 SIMPLE APPLICATION CONTROLLER is one of the Programming Logic Controllers manufactured by MITSUBISHI ELECTRIC CORPORATION.

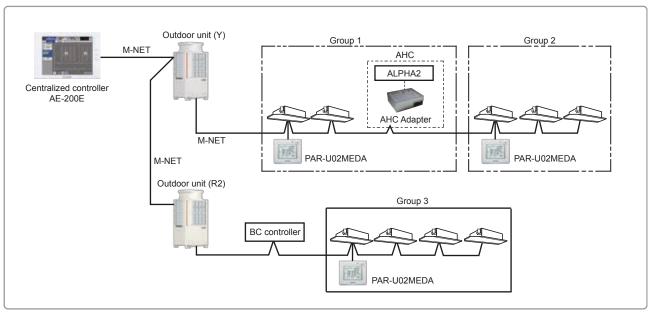
AHC allows for the connection of MITSUBISHI ELECTRIC's air conditioning network system (M-NET) to other systems, which was not possible with the use of ALPHA2 alone. AHC provides the following functions:

- ① Controls external devices using the sensor data of the air conditioning units connected to M-NET
- 2 Interlocks the operation of air conditioning units and external devices that are connected to ALPHA2
- 3 Controls air conditioning units that are connected to M-NET
- 4 Allows for the combined use of items 1-3 above
- ⑤ Monitors the input/output status of ALPHA2 via a remote controller or a centralized controller

Compatible controllers

- Remote Controller: PAR-U02MEDA
- Centralized Controller: AE-200E, AE-50E, EW-50E
- * Refer to the manual that came with ALPHA2 for information about ALPHA2.
- * Use of the AHC ADAPTER requires either a remote controller or a centralized controller.

System Structure



PI Controller



PAC-YG60MCA

Dimension: 200(W) x 120(H) x 45(D) mm : 7-7/8(W) x 4-3/4(H) x 1-13/16(D) in. The PI controller counts pulses from a power meter, gas meter, water meter, and calorimeter.

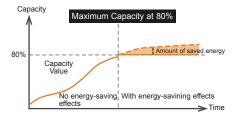
Combining the use of the AE-200E/AE-50E/EW-50E allows for calculating the charges for each unit and performing peak cut (e.g., demand control) operation. The meters can be monitored on the AE-200E/AE-50E LCD

Energy Saving Control (Peak Cut)

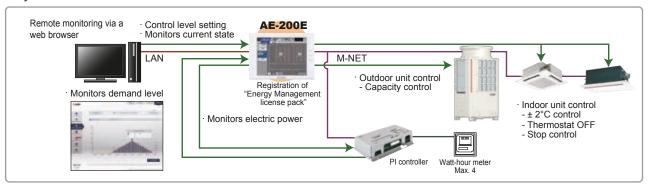
Enables Energy Saving Control with the use of our new PI controller. (Registration of "Energy Management license pack" is required.)

To perform energy saving, the capacity of the outdoor unit is controlled.

*Please note that when using an energy saving control, there are no warranties for failures, such as usage over the contracted electricity amount.



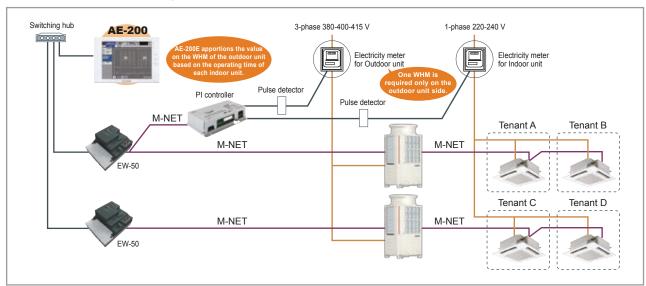
System Structure



Charge Calculation

System Structure

Enables calculation of charges for each tenant and output it as a CSV file



DIDO Controller



PAC-YG66DCA

Dimension: 200(W) x 120(H) x 45(D) mm : 7-7/8(W) x 4-3/4(H) x 1-13/16(D) in.

The DIDO controller is used in combination with an AE-200E/AE-50E/EW-50E to operate general-purpose equipment, as well as to monitor operating and error status. It is equipped with two sets of standard terminals (Channels 1 and 2), and four sets of expansion connectors for the input/output terminals.

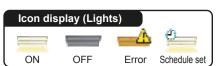
Expansion cable is optional.

Operation can be monitored or performed from the AE-200E/AE-50E LCD. In addition, this device includes a function that interlocks M-NET devices such as indoor units, general equipment, etc.

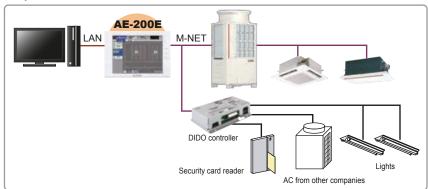
General-purpose equipment Control

Enables controlling and monitoring equipment other than air-conditioners (air-conditioners from other companies, lights, ventilators, etc.)

- · In addition to above, the air-conditioners can be interlocked with general-purpose equipment. E.g. Interlock between indoor units and security system.
- The indoor units can be turned ON/OFF when the security system is activated/deactivated.



System Structure



Al Controller



PAC-YG63MCA

Dimension: 200(W) x 120(H) x 45(D) mm : 7-7/8(W) x 4-3/4(H) x 1-13/16(D) in.

The Al controller measures temperature and humidity; it also has an alarm capability if the measurement data exceed defined setpoints.

Historical measurement data can be displayed only via the AE-200E/AE-50E/EW-50E web browser .

Temperature and humidity can be displayed on the AE-200E/AE-50E LCD. Furthermore, an alarm can be output if measurement data exceeds a preset upper or lower limit.

The AI controller also features a function that interlocks M-NET devices for indoor units, etc.

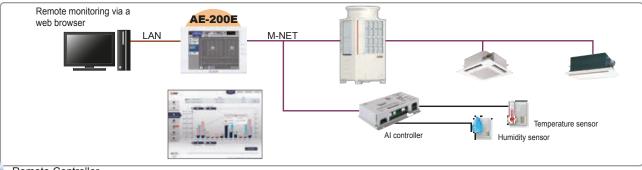
Temperature/Humidity Monitoring

Monitors the values measured by the temperature/humidity sensor connected to the Al controller

Temperature : Pt100, 4 to 20 mA DC, 1 to 5 VDC, 0 to 10 VDC Humidity: 4 to 20 mA DC, 1 to 5 VDC, 0 to 10 VDC

- Trend displays of measurement data can be shown on a web browser.
- · An alarm can be output by e-mail when measurement data exceed a preset upper or lower limit.

System Structure



Remote Controller

Open network supported

The following options are available to enable connection of CITY MULTI to an open network.

- LonWorks®
- BACnet® supported

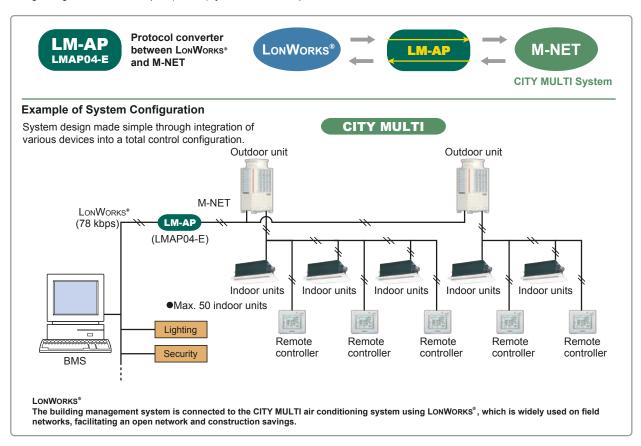


CITY MULTI can easily combine into a Building Management System (BMS) via the LonWorks* and M-NET adapter LMAP04-E. LonWorks* is an opened transmission protocol widely used at BMS, and related equipment control. CITY MULTI is therefore compatible with large-scaled BMS management via LonWorks*.



One LM ADAPTER unit can connect up to 50 Groups/50 indoor units.

Using a single LonWorks® adapter (LM-AP), you can connect up to a maximum of 50 indoor units.



LON, LONWORKS® and the Echelon logo are trademarks of Echelon Corporation registered in the United States and other countries.

• LonWorks® INTERFACE

FUNCTION	CONTENT
Control	
ON/OFF	ON/OFF
Mode Operation	Cool/Dry/Heat/Auto/Fan
Oct majest Adjustes and	Changes the set temperature.
Set point Adjustment	* Set temperature range varies depending on the indoor unit model.
Fan Speed Control	High/Mid-1/Mid-2/Low
Permit/Prohibit	ON/OFF, Mode, Set point
Emergency Stop	-
Monitoring	
ON/OFF	ON/OFF
Mode	Cool/Dry/Heat/Auto/Fan
Catanint	Changes the set temperature.
Set point	* Set temperature range varies depending on the indoor unit model.
Fan Speed	High/Mid-1/Mid-2/Low
Permit/Prohibit	ON/OFF, Mode, Set point
Alarm State	Normal/Error
Room Temperature	-10°C-50°C/14°F-122°F
Thermo ON/OFF	ON/OFF



BACnet[®]

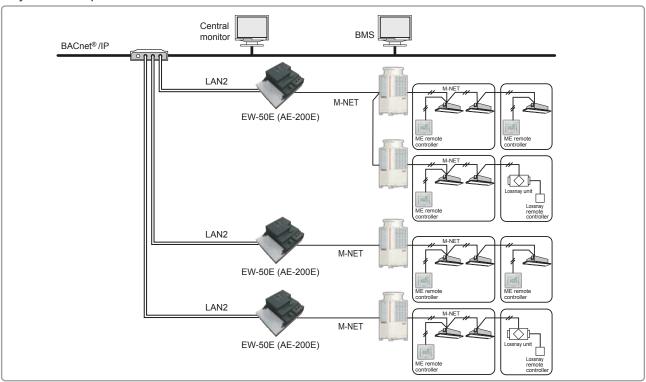
CITY MULTI can easily combine into a Building Management System (BMS) via EW-50E (AE-200E). BACnet® is an open transmission protocol widely used at BMS, and related equipment control. CITY MULTI is compatible with large-scale BMS management via BACnet®.



EW-50E (AE-200E) can control up to 50 units/groups (including Lossnay).

*To use the BACnet® function on EW-50E (AE-200E), BACnet® license registration is required.

System example



BACnet® and M-NET adapter

FUNCTION Operation ON/OFF Mode Cool/Dry/Heat/Auto/Fan Fan Speed Air Direction Set Temperature Set Temperature Filter Sign Reset Permit/Prohibit Forced Off Ventilation Mode Air to Water Mode ON/OFF ON/OFF ON/OFF, Mode, Filter sign reset, Set temp. Fan speed Heating/Heating ECO/Hot Water/ Anti-freeze/Cooling				
ON/OFF Mode Cool/Dry/Heat/Auto/Fan Fan Speed Low-Mid2-Mid1-High-Auto Air Direction Horizontal-60°-80°-100°swing Changes the set temperature. * Set Temperature on the indoor unit model. Filter Sign Reset Permit/Prohibit Fan speed Forced Off Reset/Execute Ventilation Mode Heat Recovery/Bypass/Auto Heating/Heating ECO/Hot Water/	FUNCTION	CONTENT		
Mode Cool/Dry/Heat/Auto/Fan Fan Speed Low-Mid2-Mid1-High-Auto Air Direction Horizontal-60°-80°-100°swing Changes the set temperature. * Set Temperature ange varies depending on the indoor unit model. Filter Sign Reset Normal/Reset Permit/Prohibit ON/OFF, Mode, Filter sign reset, Set temperature fan speed Forced Off Reset/Execute Ventilation Mode Heat Recovery/Bypass/Auto Heating/Heating ECO/Hot Water/	Operation			
Fan Speed Low-Mid2-Mid1-High-Auto Air Direction Horizontal-60°-80°-100°swing Changes the set temperature. * Set Temperature * Set temperature range varies depending on the indoor unit model. Filter Sign Reset Normal/Reset Permit/Prohibit ON/OFF, Mode, Filter sign reset, Set temp. Fan speed Forced Off Reset/Execute Ventilation Mode Heat Recovery/Bypass/Auto Air to Water Mode Low-Mid2-Mid1-High-Auto * Sold Sold Sold Sold Sold Sold Sold Sold	ON/OFF	ON/OFF		
Air Direction Horizontal-60°-80°-100°swing Changes the set temperature. * Set Temperature * Set temperature range varies depending on the indoor unit model. Filter Sign Reset Normal/Reset Permit/Prohibit ON/OFF, Mode, Filter sign reset, Set temporature range varies depending on the indoor unit model. Normal/Reset ON/OFF, Mode, Filter sign reset, Set temporate range of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set o	Mode	Cool/Dry/Heat/Auto/Fan		
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Set Temperature * Set temperature range varies depending on the indoor unit model. Filter Sign Reset Normal/Reset Permit/Prohibit ON/OFF, Mode, Filter sign reset, Set temp. Fan speed Forced Off Reset/Execute Ventilation Mode Heat Recovery/Bypass/Auto Air to Water Mode * Set temperature range varies depending on the indoor unit model. * Set temperature range varies depending on the indoor unit model. * Set temperature range varies depending on the indoor unit model. * Set temperature range varies depending on the indoor unit model. * Set temperature range varies depending on the indoor unit model. * Set temperature range varies depending on the indoor unit model. * Set temperature range varies depending on the indoor unit model. * Set temperature range varies depending on the indoor unit model. * Set temperature range varies depending on the indoor unit model. * Set temperature range varies depending on the indoor unit model. * Set temperature range varies depending on the indoor unit model. * Set temperature range varies depending on the indoor unit model. * Set temperature range varies depending on the indoor unit model. * Set temperature range varies depending on the indoor unit model. * Set temperature range varies depending on the indoor unit model. * Set temperature range varies depending on the indoor unit model. * Set temperature range varies depending on the indoor unit model. * Set temperature range varies depending on the indoor unit model. * Set temperature range varies depending on the indoor unit model. * Set temperature range varies depending on the indoor unit model. * Set temperature range varies depending on the indoor unit model. * Set temperature range varies depending on the indoor unit model. * Set temperature range varies depending on the indoor unit model. * Set temperature range varies depending on the indoor unit model. * Set temperature range varies depending on the indoor unit model. * Set temperature range varies depending on the indoor unit model. * S	Air Direction	Horizontal-60°-80°-100°swing		
on the indoor unit model. Filter Sign Reset Normal/Reset Permit/Prohibit ON/OFF, Mode, Filter sign reset, Set temp, Fan speed Forced Off Reset/Execute Ventilation Mode Heat Recovery/Bypass/Auto Air to Water Mode On the indoor unit model. Normal/Reset ON/OFF, Mode, Filter sign reset, Set temp, Fan speed Heat Recovery/Bypass/Auto Heating/Heating ECO/Hot Water/		Changes the set temperature.		
Filter Sign Reset Normal/Reset Permit/Prohibit ON/OFF, Mode, Filter sign reset, Set temp, Fan speed Forced Off Reset/Execute Ventilation Mode Heat Recovery/Bypass/Auto Air to Water Mode Normal/Reset ON/OFF, Mode, Filter sign reset, Set temp, Fan speed Heating/Prohibit Fan speed Heating/Heating ECO/Hot Water/	Set Temperature	* Set temperature range varies depending		
Permit/Prohibit ON/OFF, Mode, Filter sign reset, Set temp, Fan speed Forced Off Reset/Execute Ventilation Mode Heat Recovery/Bypass/Auto Heating/Heating ECO/Hot Water/		on the indoor unit model.		
Fan speed Forced Off Reset/Execute Ventilation Mode Heat Recovery/Bypass/Auto Air to Water Mode Fan speed Reset/Execute Heating/Heating ECO/Hot Water/	Filter Sign Reset	Normal/Reset		
Fan speed Forced Off Reset/Execute Ventilation Mode Heat Recovery/Bypass/Auto Air to Water Mode Heating/Heating ECO/Hot Water/	Dormit/Drobibit	ON/OFF, Mode, Filter sign reset, Set temp,		
Ventilation Mode Heat Recovery/Bypass/Auto Air to Water Mode Heating/Heating ECO/Hot Water/	reminirmonibil	Fan speed		
Air to Water Mode Heating/Heating ECO/Hot Water/	Forced Off	Reset/Execute		
Air to Water Mode	Ventilation Mode	Heat Recovery/Bypass/Auto		
Anti-freeze/Cooling	Air to Water Mode	Heating/Heating ECO/Hot Water/		
	All to water would	Anti-freeze/Cooling		

FUNCTION	CONTENT
Monitoring	
ON/OFF	ON/OFF
Mode	Cool/Dry/Heat/Auto/Fan
Fan Speed	Low-Mid2-Mid1-High-Auto
Air Direction	Horizontal-60°-80°-100°swing
Set Temperature	Changes the set temperature.
Set Temperature	* Set temperature range varies depending on the indoor unit model.
Filter Sign	ON/OFF
Permit/Prohibit	ON/OFF, Mode, Filter sign reset, Set temp, Fan speed
Indoor Temperature	Temperature
Alarm Signal	Normal/Error
Error Code	2 Character code- Indicates all unit alarms
Error Code Detail	4 Character code- Indicates all unit alarms
Communication State	Normal/Error
Ventilation Mode	Heat Recovery/Bypass/Auto
Air to Water Mode	Heating/Heating ECO/Hot Water/Anti-freeze/Cooling
Apportioned Electric Energy	Group, Interlocked Units 0.1 kWh
PI controller Electric Energy	0.1 kWh
Apportionment Parameter	Available*
Night Purge State	ON/OFF
Thermo On/Off State	ON/OFF
External Heat Source State	ON/OFF
Trend Log	Indoor Temp, Apportioned Electric Energy, PI controller Electric Energy,
	Apportionment Parameter

^{*} To use this function, the license to charge, AE-200E (not connected to the M-NET), PI controller, watt-hour meter with pulse transmitter (locally available one) are required.

Controls

Product Information

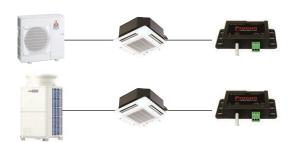
MELCOBEMS MINI BEMS Interface Making a World of Difference

BEMS IN	TERFACES	MELCOBE	MS MINI		
Description		Interface. Air	Air to Air Splits Modbus/BACnet Interface. Air (Water) to Water Modbus Interface		
Connect to		In	Indoor		
Max Numbe	r of Units		1		
Compatibility		Lossnay, Cit	M Series, Mr Slim, Ecodan, Lossnay, City Multi indoors, CAHV, CRHV, QAHV		
Power Supp	ilv		-		
	(mm) (WxDxH)	70 x	19 x 50		
Network	(, (,	Modbus / E	Modbus / BACnet RS485		
BEMS Compatibility		Crestron Interaction North BT, And	Cylon, Satchwell, Crestron, Invensys, Interactive Homes, North BT, Andover, Siemens, WEMS, RDM		
Control		Air to Air Splits	Air (Water) to Water		
	On/Off	DI	AI		
	Mode	Al	AI		
	Setpoint	Al	AI		
	Fan Speed	Al	-		
	Air Direction	Al	-		
	Permit/Prohibit	X	Al		
	Filter Sign	DI	-		
Monitor	On/Off	DO	DO		
	Mode	AO	AO		
	Setpoint	AO	AO		
	Fan Speed	AO	-		
	Air Direction	AO	-		
	Permit/Prohibit	Х	AO		
	Filter Sign	DO	-		
	Fault Codes	AO	AO		
	Room Temperature	AO	AO		
	Daily kW Energy	-	AO		
	Monthly kW Energy		AO		

 $\label{eq:Key:DI} \textit{Key: DI} = \textit{Digital Input. DO} = \textit{Digital Output. AI} = \textit{Analogue Input.} \quad \textit{AO} = \textit{Analogue Output.}$

Front View 95 mm 70 mm Top View Procon MelcoBEMS MINI (A1M) AC CN105 RS-485 RS-485 A B GND ACK CONSTITUTION RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485 A B GND ACK RS-485 RS-485

SYSTEM DIAGRAM





 $Note: \ Power supply provided by connected Indoor unit. No additional power supply required.\\$



B uilding Management Systems

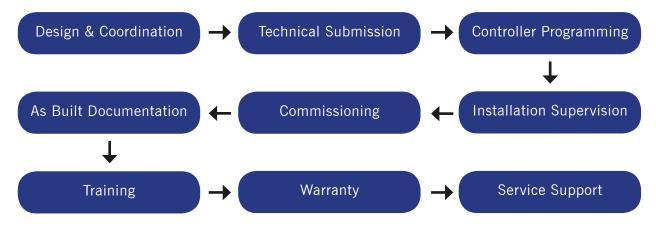
Building Management & Control System

Black Diamond Controls is a specialised bundled and seamless building controls solution. Powered by the industry leading Niagara Framework®, designed to integrate diverse building systems and devices into one seamless networked solution.



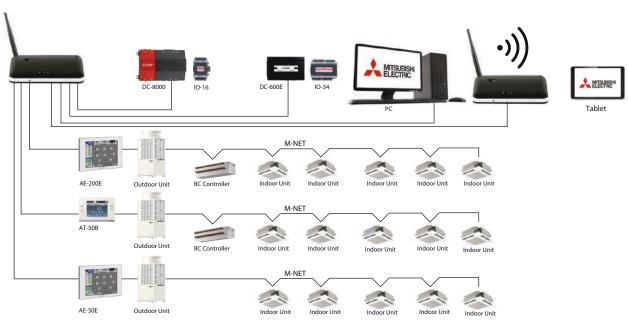
Customisable Solution

Many aspects must be considered when developing and commissioning an effective Building Management System that meets project requirements. Black Diamond Controls provide not only quality hardware and an industry leading integration platform, but also service solutions that go far beyond what is traditionally offered. Black Diamond Controls are involved in all aspects of a project as outlined in the diagram below.



Integration with Mitsubishi Electric Air Conditioning Systems

Black Diamond Controls enables advanced integration with Mitsubishi Electric Air Conditioning units via an exclusive interface, providing a single point of access to control and monitor the system. Controlling numerous systems through a single centralised user interface reduces the time it takes to make necessary adjustments and allows expanded capabilities.



Black Diamond Controls

Mitsubishi Electric DC-8000™ Controller

A compact, internet-ready controller and server platform.

Built with Niagara4 technology, the DC-8000[™] Controller utilises the latest version of Tridium's Niagara Framework[®]. The new interface and platform streamlines Internet of Things (IoT) connectivity and includes advanced visualization, new search capabilities, security and navigation tools.

Developed to provide integrated control, supervision, data logging, alarming, scheduling and network management, the DC-8000[™] connects multiple, diverse devices and subsystems. The controller is ideal for any size facility thanks to the scalability of the Niagara platform. Facility managers will find the controller's integration features useful, since it allows for control of multiple systems within a building, including HVAC, lighting energy and more.



Features:

- Multiple protocol support including LonWorks[™], BACnet[™], Modbus[®], legacy systems and so much more
- Exclusive Mitsubishi Electric M-NET driver
- Improved HTML5 web user interface
- Improved security
- Scalable deployment
- Energy Management capabilities
- Integration to with multiple systems including electrical, hydraulic, security and more.
- Interrogation is via a standard Web Browser with no additional software required.



Mitsubishi Electric DC-PRO Supervisor:

- The Mitsubishi Electric DCPro is a flexible network server for all connected DC-8000™ stations
- Harnesses the power of the Internet of Things to provide efficient integration of standard open protocols
- Creates a powerful network environment with comprehensive database management functionality, alarm management and messaging services



O ptional Parts

OPTIONAL PARTS FOR INDOOR UNITS

>>4-way cassette type (PLFY-VEM/VFM)

Description	Model	Applicable capacity		
Description	Model	VEM	VFM	
Decoration panel	SLP-2FA (L) (E)	-	P15, P20, P25, P32, P40, F	
Decoration parier	PLP-6EA	P20, P25, P32, P40, P50, P63, P80, P100, P125	-	
Automatic Filter Elevation Panel	PLP-6EAJ	P20, P25, P32, P40, P50, P63, P80, P100, P125	_	
Multi-functional casement	PAC-SJ41TM-E	P20, P25, P32, P40, P50, P63, P80, P100, P125	_	
High-efficiency filter element	PAC-SH59KF-E	P20, P25, P32, P40, P50, P63, P80, P100, P125	_	
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	PAR-SE9FA-E	P20, P25, P32, P40, P50, P63, P80, P100, P125	_	
Wireless signal receiver	PAR-SF9FA-E	-	P15, P20, P25, P32, P40, F	
Space panel	PAC-SJ65AS-E	P20, P25, P32, P40, P50, P63, P80, P100, P125	_	
#:»	PAC-SE1ME-E	P20, P25, P32, P40, P50, P63, P80, P100, P125	-	
"i-see" sensor corner panel	PAC-SF1ME-E	_	P15, P20, P25, P32, P40, F	
Duct flange for fresh air intake	PAC-SH65OF-E	P20, P25, P32, P40, P50, P63, P80, P100, P125	-	
Shutter plate	PAC-SJ37SP-E	P20, P25, P32, P40, P50, P63, P80, P100, P125	_	

>>2-way cassette type (PLFY-VLMD)

Description	Model	Applicable capacity
	CMP-40VLW-C	P20, P25, P32, P40
Decoration panel	CMP-63VLW-C	P50, P63
Decoration panel	CMP-100VLW-C	P80, P100
	CMP-125VLW-C	P125
OA duct flange	PAC-KH110F	P20, P25, P32, P40, P50, P63, P80, P100

>>Ceiling concealed type (PEFY-VMH(S))

Description.		Applicable capacity			
Description	Model	VMH(S)-E	VMHS-E	Remarks	
	PAC-KE04DM-F	P200, P250 (VMH-E)	-		
Drain pump	PAC-KE05DM-F	P200, P250 (VMHS-E)	-		
	PAC-DRP10DP-E2	-	P40~P140		
	PAC-KE86LAF	-	P40, P50, P63		
Long life filter	PAC-KE88LAF	-	P71, P80		
Long life lifter	PAC-KE89LAF	-	P100, P125, P140		
	PAC-KE85LAF	P200, P250	-		
	PAC-KE63TB-F	-	P40, P50, P63		
F11. 1	PAC-KE99TB-F	-	P71, P80	Necessary when long life	
Filter box	PAC-KE140TB-F	-	P100, P125, P140	Necessary when long lik	
	PAC-KE250TB-F	P200, P250	-		

>>Ceiling concealed type (PEFY-VMA(L)/VMA3)

Description	Model	Applicable capacity		
Description	Model	VMA(L)	VMA3	
	PAC-KE91TB-E	P20, P25, P32	_	
	PAC-KE92TB-E	P40, P50	P20	
Filter box	PAC-KE93TB-E	P63, P71, P80	_	
	PAC-KE94TB-E	P100, P125	_	
	PAC-KE95TB-E	P140	_	

>>Fresh air intake type (PEFY-VMH(S)-E-F)

Description	Model	Applicable capacity
	PAC-KE88LAF	P80
Long life filter	PAC-KE89LAF	P125, P140
	PAC-KE85LAF	P200, P250
	PAC-KE80TB-F	P80
Filter box	PAC-KE140TB-F	P125, P140
	PAC-KE250TB-F	P200/P250
Drain pump	PAC-KE04DM-F	P80, P140, P200, P250 (VMH-E-F)
Drain pump	PAC-KE06DM-F	P200, P250 (VMHS-E-F)
Drain pump	PAC-DRP10DP-E2	P125 (VMHS-E-F)

>>Ceiling suspended type (PCFY-VKM)

Description	Model	Applicable capacity		
Drain numan kit	PAC-SH83DM-E	P40		
Drain pump kit	PAC-SH84DM-E	P63,100,125		
	PAC-SH88KF-E	P40		
High efficiency filter	PAC-SH89KF-E	P63		
	PAC-SH90KF-E	P100,125		
Wireless remote controller kit	PAR-SL94B-E	P40,63,100,125		

>>Ceiling concealed type (PEFY-VMS1(L))

Description	Model	Applicable capacity
Drain pump	PAC-KE07DM-E	P15, 20, 25, 32, 40, 50, 63 *For PEFY
Control box replace kit	PAC-KE70HS-E	P15, 20, 25, 32, 40, 50, 63

>>Wall mounted type (PKFY-VLM/VKM)

Description	Model	Applicable capacity	
External LEV Box	PAC-SG95LE-E	P15, 20, 25, 32, 40, 50, 63	
	Micro Blue	P15, 20, 25, 32	
Drain pump kit	Mini Blue	P32, 40, 50, 63	
	Maxi Blue Pro	P100	

OPTIONAL PARTS FOR OUTDOOR UNITS

For Y series (PUHY)

Description	Model	Remarks		
Relay Box	PAC-PH01KTY-E	Relay box should be used together with Panel heater		
	PAC-PH01EHT-E	For S module		
Panel heater	PAC-PH02EHT-E	For L module		
	PAC-PH03EHT-E	For XL Modele		
	CMY-Y100VBK3	For PUHY-(E)P400~(E)P650YSNW-A		
Twinning kit	CMY-Y200VBK2	For PUHY-(E)P700~(E)P900YSNW-A		
	CMY-Y300VBK3	For PUHY-(E)P950~(E)P1350YSNW-A		
	CMY-Y102SS-G2	200 or below(Total capacity of indoor unit)		
Branch pipe (Joint)	CMY-Y102LS-G2	201-400(Total capacity of indoor unit)		
Branch pipe (Joint)	CMY-Y202S-G2	401-650(Total capacity of indoor unit)		
	CMY-Y302S-G2	651-above(Total capacity of indoor unit)		
	CMY-Y104-G	For 4 branches		
Branch pipe (Header)	CMY-Y108-G	For 8 branches		
	CMY-Y1010-G	For 10 branches		
	PAC-FG01S-E	For side surfaces of S and L modules (a set of two pieces)		
	PAC-FG02S-E	For side surfaces of XL modules (a set of two pieces)		
Fin Guard	PAC-FG01B-E	For rear surface of S module		
	PAC-FG02B-E	For rear surface of L module		
	PAC-FG03B-E	For rear surface of XL module		

For R2 series (PURY)

Description Mod		Model	Remarks	
Relay Box	(PAC-PH01KTY-E	Relay box should be used together with Panel heater	
		PAC-PH01EHT-E	For S module	
Panel hea	ter	PAC-PH02EHT-E	For L module	
		PAC-PH03EHT-E	For XL Modele	
- · · ·		CMY-R100VBK4	For PURY-(E)P400~(E)P650YSNW-A	
Twinning	KIT	CMY-R200VBK4	For PURY-(E)P700~(E)P1100YSNW-A	
	2-Branch	CMY-Y102SS-G2	200 or below(Total capacity of indoor unit)	
	Joint Pipe	CMY-Y102LS-G2	201-400(Total capacity of indoor unit)	
		CMY-R201S-G	350 or below(Total capacity of indoor unit)	
		CMY-R202S-G	351-600(Total capacity of indoor unit)	
	Joint and	CMY-R203S-G	601-650(Total capacity of indoor unit)	
		CMY-R204S-G	651-1000(Total capacity of indoor unit)	
	Reducer	CMY-R205S-G	1001 or above(Total capacity of indoor unit)	
		CMY-R101S-G	For P200-P650 Outdoor unit	
For BC		CMY-R102S-G	For P700-P1100 Outdoor unit	
controller		CMY-R301S-G	For CMB-P104,106,108,1012,1016V-J (When the outdoor unit capacity is P200 to P300)	
		CMY-R302S-G	For CMB-P108,1012,1016V-JA (When the outdoor unit capacity is P200 to P900)	
	Reducer	CMY-R303S-G	For CMB-P108,1012,1016V-JA and for use with sub BC controller	
		CMY-R304S-G	For CMB-P1016V-KA(When the outdoor unit capacity is P200 to P1000)	
		CMY-R305S-G	For CMB-P1016V-KA and for use with sub BC controller	
		CMY-R306S-G	For CMB-P104V-KB	
	Branch pipe(Header)	CMY-R160-J1	Joint for connecting to two nozzles	
		PAC-FG01S-E*	For side surfaces of S and L modules (a set of two pieces)	
		PAC-FG02S-E*	For side surfaces of XL modules (a set of two pieces)	
Fin Guard		PAC-FG01B-E	For rear surface of S module	
		PAC-FG02B-E	For rear surface of L module	
		PAC-FG03B-E	For rear surface of XL module	

Note : When installing on 38HP model, please refer to DATABOOK.

OPTIONAL PARTS FOR OUTDOOR UNITS

>>For PUMY series

Description	Model
Branch Pipe (2 Branch)	CMY-Y62-G-E
Header	CMY-Y64-G-E
Header	CMY-Y68-G-E
Drain Socket	PAC-SG61DS-E
Centralized Drain Pan	PAC-SH97DP-E
Port Connector (ø9.52 → ø12.7)	PAC-SG73RJ-E
Port Connector (ø15.88 → ø19.05)	PAC-SG75RJ-E
Air Protect Guide (2 pcs required)	PAC-SH95AG-E
Air Outlet Guide	PAC-SH96SG-E

>>For PQHY series

Description	Model	Remarks	
	CMY-Y102SS-G2	200 or below (Total capacity of indoor unit)	
	CMY-Y102LS-G2	201~400 (Total capacity of indoor unit)	
	CW1-1102L3-G2	The 1st branch of P250-P300YLM	
Branch pipe (Joint)	CMY-Y202S-G2	401~650 (Total capacity of indoor unit)	
	CW1-12025-G2	The 1st branch of P350-P600YLM / P400-P600YSLM	
	CMY-Y302S-G2	651 or above (Total capacity of indoor unit)	
	CWY-Y3025-G2	The 1st branch of P700-P900YSLM	
	CMY-Y104-G	For 4 branches	
Branch pipe (Header)	CMY-Y108-G	For 8 branches	
	CMY-Y1010-G	For 10 branches	
Twinning kit	CMY-Y100VBK3	For PQHY-P400~P600YSLM	
i willing Kit	CMY-Y200VBK2	For PQHY-P700~P900YSLM	

>>For PQRY series

Description	Model	Remarks	
Branch pipe (Joint)	CMY-Y102SS-G2	200 or below (Total capacity of indoor unit)	
	CMY-Y102LS-G2	201~400 (Total capacity of indoor unit)	
Twinning kit	CMY-Q100CBK2	For PQRY-P400~P600YSLM	
	CMY-Q200CBK	For PQRY-P700~P900YSLM	

Installation Information

1. General Precautions

1-1. Usage

- The air conditioning systems described in this catalogue are designed and intended for human comfort, and are not designed for the preservation of food, animals, plants, precision equipment or art objects. Do not use the product for any purpose other than what it is designed for.
- Due to the risks associated with water leakage and electric shock, do not use the product for air conditioning vessels or vehicles.

1-2. Installation Environment

- Do not install the unit in an environment where the voltage fluctuates, or in commercial kitchen areas where large amounts of mineral oil (e.g. cutting oil) are present, or large amounts of steam are produced.
- Do not install the unit in an acidic or alkaline environment.
- Do not install the unit in locations which are exposed to chlorine or other corrosive gases. Avoid installation near sewers.
- To reduce the risk of fire, do not install the unit in a place where flammable gas may be leaked or inflammable material is present.
- This air conditioning unit has a built-in microcomputer, which must be considered when choosing the installation position as the unit may interfere with antenna or other electronic devices in the immediate area. It is recommended that the unit should be installed at a distance from these devices.
- The unit should be installed on a solid foundation according to local safety measures associated with extreme weather, wind gusts and earthquakes to prevent the unit from tipping or falling and incurring damage.

1-3. Backup System

• For air conditioning installations where a malfunction could exert critical influence, it is recommended that two or more systems of single outdoor with multiple indoor units are used as backup.

1-4. Unit Characteristics

- In areas where the outdoor temperature is low and the humidity is high, the heat exchanger on the outdoor unit will tend to collect frost, which can affect heating performance. To remove the frost, Auto-defrost function will be activated which will temporarily stop the heating mode for up to several minutes. Heating mode will automatically resume upon completion of the defrost process.
- Heat pump air conditioners require time to warm an entire room immediately after heating operation begins, requiring the indoor unit to circulate warm air to the entire space.
- The sound levels referred to in this catalogue were obtained from test results performed in an anechoic room. The sound levels during actual operation may vary from the simulated results due to ambient noise and acoustic characteristics of the room. Refer to the section "Sound Levels" in the Data Book for the actual measurement location.
- Depending on operating conditions, the unit can generate noise caused by valve actuation, refrigerant flow, and pressure changes during normal operation. It is not recommended that a BC controller is installed in locations where quietness is required (such as bedrooms).
- The total capacity of the connected indoor units can be greater than the capacity of the outdoor unit. However, when the indoor units operate simultaneously, each unit's capacity may be reduced below the rated capacity.
- When the unit is started up for the first time within 12 hours after power on or after power failure, it will perform an initial start-up operation (capacity control operation) to prevent damage to the compressor. The initial start-up operation requires 90 minutes maximum to complete, depending on the operation load.

1-5. Relevant Equipment

- Use an earth leakage breaker (ELB) with medium sensitivity, and an activation speed of 0.1 seconds or less.
- Consult your local distributor or a qualified technician when installing an earth leakage breaker.
- Inverter air conditioners and heat pump units require an earth leakage breaker suitable for handling high harmonic waves and surges.
- Leakage current is generated not only through the air conditioning unit but also through the power wires. Therefore, the leakage current of the main power supply is greater than the total leakage current of each unit. Take into consideration the capacity of the earth leakage breaker or leakage alarm when installing one at the main power supply. To accurately measure the leakage current on site, use a measurement tool equipped with a filter, and clamp all four power wires together. The leakage current measure on the ground wire may not be accurate due to the leakage current from other systems being included in the measurement value.
- Do not install a phase advancing capacitor on a unit which is connected to the same power system as an inverter type unit and its equipment.
- If a large current is produced by either a product malfunction or faulty wiring, both the earth leakage breaker on the product as well as the upstream overcurrent breaker may trip simultaneously. Separate the power system or coordinate all the breakers according to the system's priority levels.

1-6. Unit Installation

- Consult your local distributor or a qualified technician to carry out installation of the unit. Installation by an unqualified person may result in water leakage, electric shock, or fire.
- Your local distributor or a qualified technician must carefully read the Installation Manual that is provided with each unit before carrying out installation work.
- Ensure there is adequate space around each unit's installation site.

1-7. Optional Accessories

- Only use accessories recommended by Mitsubishi Electric. Consult your local distributor or a qualified technician for installation. Installation by an unqualified person may result in water leakage, electric shock, or fire.
- Some optional accessories may not be compatible with the unit to be used, or may not be suitable for the installation conditions. Check the compatibility when considering any accessories.
- Note that some optional accessories may affect the unit's external appearance, weight, operating sound and other performance characteristics.

1-8. Operation/Maintenance

- Read the Instruction Book provided with each unit carefully before use.
- Maintenance or cleaning of each unit may be risky and therefore may require expertise. Refer to the Instruction Book to ensure safety. Consult your local distributor or a qualified technician when special expertise is required (such as when the indoor unit requires cleaning).

2. Precautions for Indoor Unit

2-1. Operating environment

- The refrigerant (R410A) used for air conditioners is non-toxic and nonflammable. However, if the refrigerant leaks, the oxygen level may drop to harmful levels. If the air conditioner is installed in a small room, measures must be taken to prevent the refrigerant concentration from exceeding the safety limit even if the refrigerant should leak
- If the units operate in the cooling mode at the humidity above 80%, condensation may collect and drip from the indoor units.

2-2. Unit Characteristics

- The return air temperature displayed on the remote controller may differ from the ones on the other thermometers.
- The clock on the remote controller may be displayed with a time lag of approximately one minute every month.
- The temperature using a built-in temperature sensor on the remote controller may differ from the actual room temperature due to the effect of the wall temperature.
- Use a built-in thermostat on the remote controller or a separately-sold thermostat when indoor units installed on or in the ceiling operate the automatic cooling/heating switchover.
- The room temperature may rise drastically due to Thermo OFF in the places where the air conditioning load is large such as computer rooms.
- Be sure to use a regular filter. If an irregular filter is installed, the unit may not operate properly, and the operation noise may increase.
- The room temperature may rise over the preset temperature in the environment where the heating air conditioning load is small.

2-3. Unit Installation

- For simultaneous cooling/heating operation type air conditioners (R2, WR2 series), the J-type BC controller cannot be connected to the P350 outdoor unit model or above, and the JA-type BC controllers cannot be connected to the 28HP model or above. The KB-type BC controllers (sub) cannot be connected to the outdoor unit directly, and be sure to use them with JA- and KA-type BC controllers (main).
- The insulation for low pressure pipe between the BC controller and outdoor unit shall be at least 20 mm thick. If the unit is installed on the top floor or in a high-temperature, high-humidity environment, thicker insulation may be necessary.
- Do not have any branching points on the downstream of the refrigerant pipe header.
- When a field-supplied external thermistor is installed or when a device for the demand control is used, abnormal stops of the unit or damage of the electromagnetic contactor may occur. Consult your local distributor for details
- When indoor units operate a fresh air intake, install a filter in the duct (field-supplied) to remove the dust from the air.
- The 4-way or 2-way Airflow Ceiling Cassette Type units that have an outside air inlet can be connected to the duct, but need a booster fan to be installed at site. Refer to the chapter "Indoor Unit" in the Data Book for the available range for fresh air intake volume.
- · Operating fresh air intake on the indoor unit may increase the sound pressure level.

3. Precautions for Fresh Air Intake Type Indoor Unit

3-1. Usage

• This unit mainly handles the outside air load, and is not designed to maintain the room temperature. Install other air conditioners for handling the air conditioning load in the room.

3-2. Unit Characteristics

- This unit cannot perform the drying operation. The unit will continue the fan operation and blow fresh air (air that is not air-conditioned) when the Heating Thermo-OFF or Cooling Thermo-OFF mode is selected.
- The fan may stop tentatively when the unit is connected to the simultaneous cooling/heating operation type outdoor unit (R2, WR2 series) or during the defrost cycle.
- This unit switches the Thermo ON or OFF depending on the room temperature. The outside air is directly supplied into the room during Thermo OFF. Take caution of the cold supply air due to low outside air temperature and of condensation in the room due to high humidity of the outside air.
- Outside air temperature ranges for the operation must be as follows:

Cooling: 21°CD.B./15.5°CW.B. ~ 43°CD.B./35°CW.B.

Heating: -10°CD.B.~ 20°CD.B

The unit is forced to operate Thermo OFF (fan operation) when the outside air temperature is as follows.

Cooling: 21°CD.B or below; Heating: 20°CD.B or above

- Either a remote controller (sold separately) or a remote sensor (sold separately) must be installed to monitor the room temperature.
- If only this unit is used as an indoor unit, condensation may form at the supply air grill while the unit is operated in the cooling mode. This unit cannot operate dehumidifying.
- Use the unit in the way that the airflow rate will not exceed the 110% of the rated airflow.

4. Precautions for Outdoor Unit / Heat Source Unit

4-1. Installation Environment

- Outdoor units with salt-resistant specification are recommended in coastal areas or regions subject to salt air.
- Outdoors with salt-resistant specification are still not entirely protected against all forms of corrosion. Be sure to follow the directions and precautions outlined in the Instruction Manual and Installation Manual for correct maintenance. The salt-resistant specification adheres to the guidelines published by JRAIA (JRA9002).
- Install the unit in a place where discharge airflow is unobstructed. Obstruction of airflow may result in the short-cycling of discharge air.
- Ensure proper drainage is provided around the unit base to avoid condensation and/or water build-up. Water-proof protection should be applied to the floor when installing units on rooftops.
- In regions subject to snow and ice, install the unit so that the outlet faces away from the prevailing wind direction and install a snow guard to protect the unit from snow. Refer to the installation manual for the snow guard and take care when installing to avoid the risk of corrosion to the outdoor unit. The unit should be mounted on a base approximately 50cm higher than region's average snowfall. Close the openings for pipes and wiring, as the ingress of water and small animals or insects may cause equipment damage.
- Ensure the snow guard is kept free of snowfall exceeding 50cm.
- If the unit is expected to operate continuously for extended periods at outside air temperatures of 0°C or less, it is recommended to use a base heater to prevent ice build-up on the unit base (not applicable to PUMY series).
- Provide proper protection around outdoor units in places such as schools to avoid the risk of injury.
- A cooling tower and heat source water circuit should be a closed circuit so that water is not exposed to the atmosphere. If a tank is installed to ensure the circuit has enough water, minimise the contact with outside air so that the oxygen being dissolved in the water is 1mg/L or less.
- Install a strainer (50 mesh or more is recommended) on the water pipe inlet on the heat source unit.
- Interlock the heat source unit and water circuit pump.
- Note the following to prevent frozen burst pipes when the heat source unit is installed in an area where the ambient temperature can drop to 0°C or below:
 - o Keep the water circulating to prevent it from freezing when the temperature is 0°C or below.
 - o If the system is to be out of use for long periods, ensure water is purged from the unit.

4-2. Circulating Water

- Check the quality of the water in the heat source unit regularly, following the guidelines published by JRAIA (JRA-GL02-1994).
- A cooling tower and heat source water circuit should be a closed circuit so that water is not exposed to the atmosphere. If a tank is installed to ensure the circuit has enough water, minimise the contact with outside air so that the oxygen being dissolved in the water is 1mg/L or less.

4-3. Unit Characteristics

• Frequently repeating the Thermo ON and OFF on the indoor unit may destabilise the operating status of the outdoor unit.

4-4. Relevant Equipment

• Provide grounding in accordance with local regulations.

5. Precautions for Control-Related Items

5-1. Product Specification

- A consultation with BDT is required before installation of the MELANS system, particularly if the electricity charge apportioning function or energy-save function is to be utilised.
- The billing calculation for the AE-200E, AE-50E, AG-150A, EW-50E, GB50ADA-J and TG2000A, as well as the calculation unit is based on a unique Mitsubishi Electric method which includes backup operation. The calculation is not based on a metering method, and does not include the input power consumption, and therefore should not be used for official business purposes. Note that the electric power consumption for the air conditioner is apportioned using the ratio corresponding to the operation status (output) of each indoor unit in this calculation method.
- In the apportioned billing function for the AE-200E, AE50E, AG-150A, EW-50E and GB-50ADA-J, use separate watt-hour meters for A-control units, K-control units and packaged air conditioners for City Multi systems. It is recommended that an individual watt-hour meter is used for large-capacity indoor units (with two or more addresses).
- When using the energy-saving (peak cut) function on the AE-200E, AE-50E, AG-150A, EW-50E or GB-50ADA-J, note that control is performed once per minute and therefore it may take some time to notice its full effect. Take appropriate measures such as lowering the criterion value. Power consumption may exceed limits if AE-200E, AE-50E, AG-150A, EW-50E or GB-50ADA-J malfunctions or stops. A back-up solution should be available if necessary.
- The controllers cannot operate when the unit is OFF (no error). Ensure the power is ON to the indoor unit when operating the controllers.
- The interlocked control function on the AE-200E, AE50E, AG-150A, EW-50E, GB-50ADA-J, PAC-YG66DCA-J or PAC-YG63MCA should not be used for the control of fire prevention or security, or any situation where it is primarily responsible for the protection of people's safety. Additional protection that allows ON/OFF operation using an external switch may be required in case of failure.

5-2. Installation Environment

- Surge protection for the transmission line may be required in areas susceptible to lightning strikes.
- Receivers for wireless remote controllers may be affected by lighting within the room. Leave a space of at least 1m between lighting sources and the receiver.
- When operating the auto-elevating panel using a wired remote controller, ensure the wired remote controller is installed in an area where it is not at risk of being damaged by the descending panel. It is recommended to use a wireless remote controller designed for use with elevating panels (sold separately).
- When installing the wired remote controller (switch box), ensure the following conditions are met:
- oThe installation surface is flat
- oThe controller is positioned where it can detect an accurate room temperature. Install the controller in a place where:
 - it is not subject directly to a heat source (direct sunlight and indoor unit airflow will affect the accuracy of the average room temperature reading)
 - an average room temperature can be detected
 - no other wires are present near the temperature sensor
- To prevent unauthorised access, always use a security device, such as a VPN router when connecting the AE-200E, AE-50E, AG-150A, EW-50E, GB50ADA-J or TG-2000A to the internet.

Maintenance Equipment

Maintenance cycle

[Note that maintenance cycle does not mean guarantee period.]

The following tables are applicable when using equipment under the conditions below.

- Normal use without frequent START/STOPs (The number of START/STOPs is assumed to be less than 6 times per hour in normal use.)
- Operating hours are assumed to be 10 hours per day/2500 hours per year.

If the following conditions are met, the equipment may not be used, or the "maintenance cycle" and "replacement intervals" may be shortened.

- When equipment is used in an environment where the temperature and humidity are high or change dramatically
- When equipment is used in an environment where the power supply fluctuations (the distortion of voltage, frequency, and waveform) are large (Only within the allowable range)
- When equipment is used in an environment where the unit may receive vibration or mechanical shock
- When equipment is used in an environment where dust, salt, toxic gases such as sulfur dioxide and hydrogen sulfide, and oil mist are present
- When equipment starts/stops frequently and operates for a long time (24-hour air conditioning operation)

Table 1. Maintenance cycle

Major components	Checking cycle	Maintenance cycle	Major components	Checking cycle	Maintenance cycle
Compressor		20,000 hours	Expansion valve		20,000 hours
Motor (Fan, Louver, drain pump)		20,000 hours	Valve (solenoid valve, four-way valve)	1,,,,,,,	20,000 hours
Bearing	1 year	15,000 hours	Sensor (thermistor, presser sensor)	1 year	5 years
Electric board		25,000 hours	Drain pan		8 years
Heat exchanger		5 years			

Note1 This table shows major components. Refer to the maintenance contract for details.

Replacement cycle of consumable components [Note that replacement cycle does not mean guarantee period.]

Table 2. Replacement cycle

Major components	Checking cycle	Replacement cycle	
Long-life filter		5 years	
High-performance filter		1 year	
Fan belt	1 year	5,000 hours	
Smoothing capacitor		10 years	
Fuse		10 years	
Crank case heater		8 years	

Note1 This table shows major components. Refer to the maintenance contract for details.

Note2 This replacement cycle shows a period in which products are expected to require no replacements. Use this cycle for planning maintenance (budgeting expenses for replacing equipments etc.)

Note2 This maintenance cycle shows a period in which products are expected to require no maintenance. Use this cycle for planning maintenance (budgeting the maintenance expense etc.) Checking/ Maintenance cycle may be shorter than the one on this table depending on the contents of maintenance check

[•] Sudden unpredictable accident may occur even if check-up is performed.

B.S. Salt Protection Specifications City Multi VRF Outdoor Units

	Base material	PUHY, PURY				
		YNW	YNW-BS		Paint t	hickness
Name			Salt	Surface treatment		
		Standard	damage protection		External	Internal
Bottom frame	Alloyed galvanized sheet	•	•	Polyester resin coating	70μm or more	70μm or more
Front panel	Galvanized sheet	•		Polyester resin coating	15μm or more	5μm or more
			•	Polyester resin coating	85µm or more	75µm or more
Pillar	Alloyed galvanized sheet	•		Polyester resin coating	30μm or more	
			•	Polyester resin coating	70μm or more	70μm or more
Compressor cover	Galvanized sheet	•		No treatment		
	Galvanized aluminum sheet		•	Polyester resin coating	70μm or more	70μm or more
Fin guard	Steel wires	•	•	Polyethylene resin (Weather proof)	300μm or more	300μm or more
Fan guard & Drum	Plastic	•	•	Polypropylene resin (Weather proof)		
Fan	Plastic	•	•	Acrylics nitril styrene resin		
Motor	Frame; Spcc	•	•	Zinc plating filming	8μm or more	
	Shaft; S35C	•	•	Rust prevention coloured coating		
Motor support	Galvanized sheet	•		No treatment		
			•	Polyester resin coating	70μm or more	70μm or more
Heat exchanger	Aluminum plate	•		Cellulose series and ure- thane series resin coating	1μ m or more	
(Only fin)			•	Cellulose series and ure- thane series resin coating	3μm or more	
Electrical parts box	Galvanized sheet	•		No treatment		
	Galvanized aluminum sheet		•	Polyester resin coating	70μm or more	
Printed circuit board	Epoxy resin	•		Polyurethane coating	10μm or more	
			•	Polyurethane coating	10μm or more	10μm or more
Screw	Steel for screws	•	•	Zinc-nickel alloy plating + Geomet filming		

CAUTION:

- 1 Do not position the outdoor in a direct sea breeze.
- 2 Don't protect the unit from rain. (Rain will clean the salt from the coil).
- 3 Install the outdoor unit level to allow condensate drainage.
- 4 Wash the outdoor unit regularly.
- 5 Repair any scratches on the panels.
- 6 Inspect regularly. Paint or change parts as required.





FM33568 / ISO 9001;2008

The Air Conditioning & Refrigeration Systems Works acquired ISO 9001 certification under Series 9000 of the International Standard Organization (ISO) based on a review of Quality management for the production of refrigeration and air conditioning equipment.

ISO Authorization System

The ISO 9000 series is a plant authorization system relating to quality management as stipulated by the ISO. ISO 9001 certifies quality management based on the "design, development, production, installation and auxiliary services" for products built at an authorized plant.



The Air Conditioning & Refrigeration Systems Works acquired environmental management system standard ISO 14001 certification.

The ISO 14000 series is a set of standards applying to environmental protection set by the International Standard Organization (ISO). Registered on March 10, 1998.

▲ Warning

- Do not use refrigerant other than the type indicated in the manuals provided with the unit and on the nameplate.
 - Doing so may cause the unit or pipes to burst, or result in explosion or fire during use, during repair, or at the time of disposal of the unit.
- It may also be in violation of applicable laws.
- MITSUBISHI ELECTRIC CORPORATION cannot be held responsible for malfunctions or accidents resulting from the use of the wrong type of refrigerant.

For more information on Mitsubishi Electric Heat Pumps, please visit www.mitsubishi-electric.co.nz or call our Customer Service Team on 0800 784 382





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Be sure to ask for Mitsubishi Electric. Other brands share the 3-diamond logo, however are separate to the Mitsubishi Electric brand and cannot supply the models, features or guarantees outlined in this brochure. | All models, features and specifications are subject to change and amendment at anytime. July 2019