



Industrial yet personal



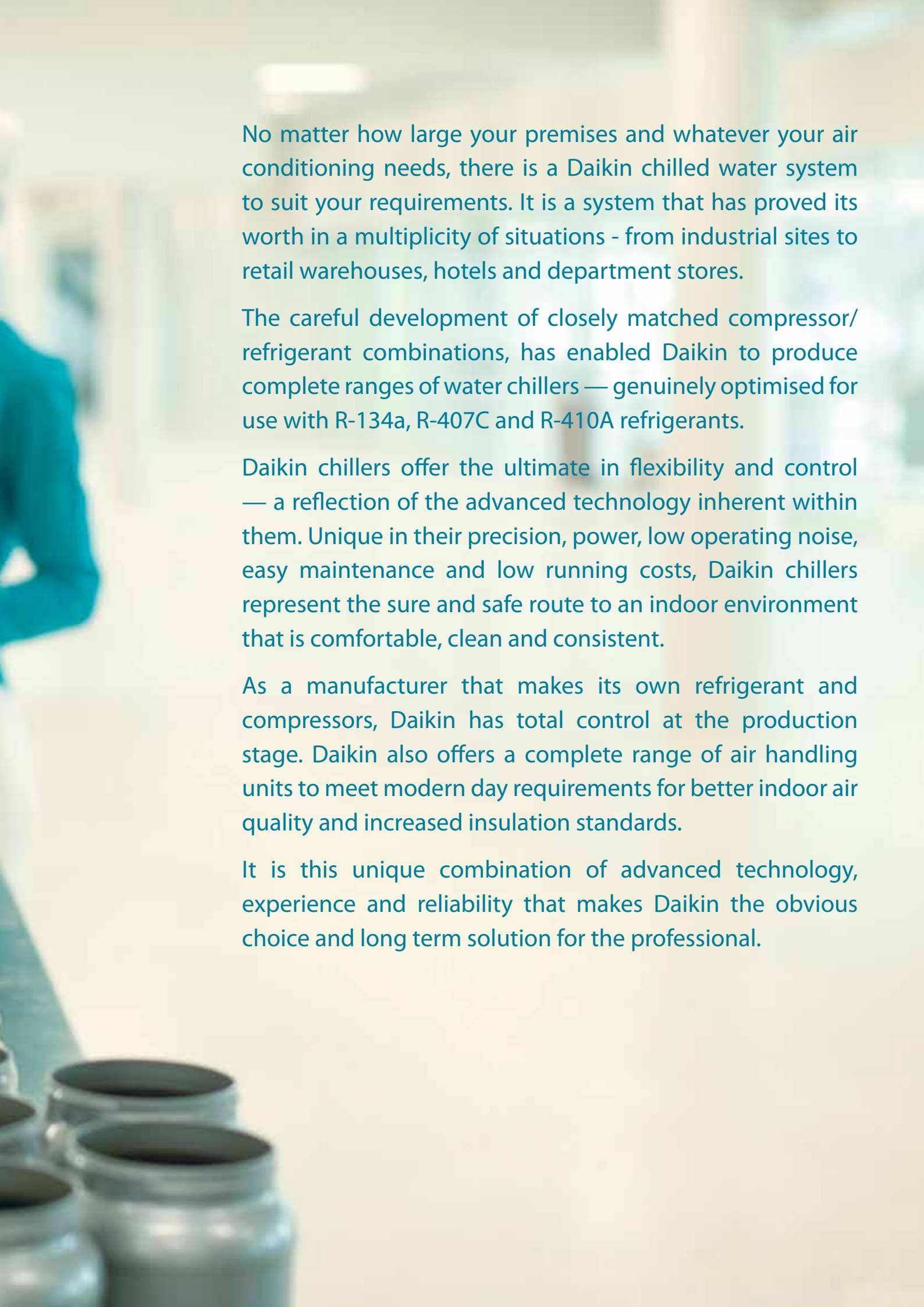
APPLIED SYSTEMS
CATALOGUE



Table of Contents

Product portfolio - air cooled	04
Product portfolio - water cooled	04
About daikin	06
Environmental awareness	07
Inverter technology	08
Reliable & efficient	10
Air cooled chillers	12
Water cooled chillers	36
Condenserless chillers	40
D.I.C.N.	44
Hydraulic module & buffer tank	45
Fan coil units	46
Measuring conditions	64





No matter how large your premises and whatever your air conditioning needs, there is a Daikin chilled water system to suit your requirements. It is a system that has proved its worth in a multiplicity of situations - from industrial sites to retail warehouses, hotels and department stores.















The careful development of closely matched compressor/refrigerant combinations, has enabled Daikin to produce complete ranges of water chillers — genuinely optimised for use with R-134a, R-407C and R-410A refrigerants.






Daikin chillers offer the ultimate in flexibility and control — a reflection of the advanced technology inherent within them. Unique in their precision, power, low operating noise, easy maintenance and low running costs, Daikin chillers represent the sure and safe route to an indoor environment that is comfortable, clean and consistent.

As a manufacturer that makes its own refrigerant and compressors, Daikin has total control at the production stage. Daikin also offers a complete range of air handling units to meet modern day requirements for better indoor air quality and increased insulation standards.

It is this unique combination of advanced technology, experience and reliability that makes Daikin the obvious choice and long term solution for the professional.

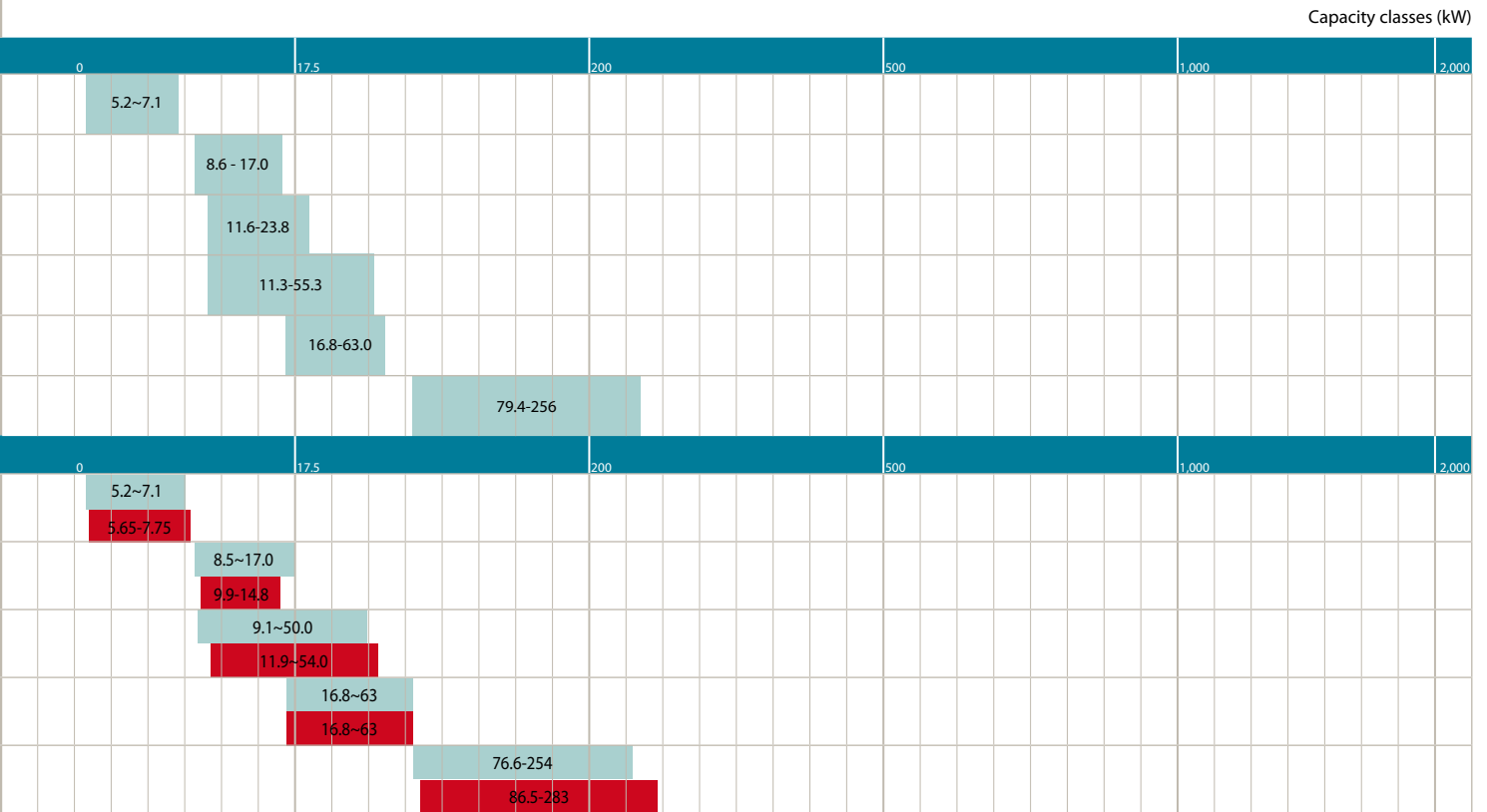
Product portfo

	Refrigerant	Inverter 	Compressor		Efficiency version	Sound version
			Swing 	Scroll 	Standard	Standard
Cooling only						
 EWAQ~ADVP	R-410A	✓	✓		✓	✓
 EWAQ~ACV3/ACW1	R-410A	✓		✓	✓	✓
 EUWAC~FBZW1	R-407C			✓	✓	✓
 EUWA*~KBZW1	R-407C			✓	✓	✓
 EWAQ~BA*	R-410A	✓		✓	✓	✓
 EWAQ~DAYN	R-410A			✓	✓	✓
Heat pump						
 EWYQ~ADVP	R-410A	✓	✓		✓	✓
 EWYQ~ACV3/ACW1	R-410A	✓		✓	✓	✓
 EUWY*~KBZW1	R-407C			✓	✓	✓
 EWYQ~BA*	R-410A	✓		✓	✓	✓
 EWYQ~DAYN	R-410A			✓	✓	✓

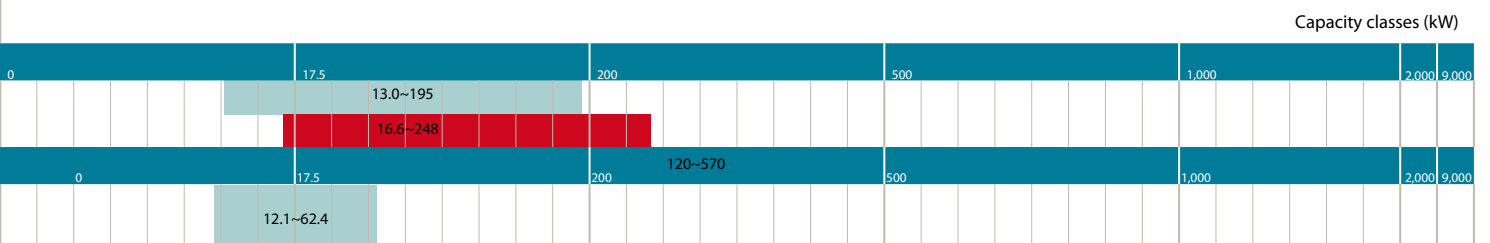
	Refrigerant	Inverter 	Compressor		Efficiency version	Sound version
			Swing 	Scroll 	Standard	Standard
Water cooled chillers (Cooling only & Heating only)						
 EWWP-KBW1N	R-407C			✓	✓	✓
Condenserless chillers						
 EWLP-KBW1N	R-407C			✓	✓	✓

lio

air cooled



water cooled





About Daikin

Daikin has a worldwide reputation based on 85 years' experience in the successful manufacture of high quality air conditioning equipment for industrial, commercial and residential use.

DAIKIN QUALITY

Daikin's much envied quality quite simply stems from the close attention paid to design, production and testing as well as aftersales support. To this end, every component is carefully selected and rigorously tested to verify its contribution to product quality and reliability.

Environmental Awareness

DAIKIN AND THE ENVIRONMENT

Air conditioning systems provide a significant level of indoor comfort, making possible optimum working and living conditions in the most extreme climates. In recent years, motivated by a global awareness of the need to reduce the burdens on the environment, some manufacturers including Daikin have invested a great deal in limiting the negative effects associated with the production and the operation of air conditioners. Hence, models with energy saving features and improved eco-production techniques have seen the light of day, making a significant contribution to limiting the impact on the environment.



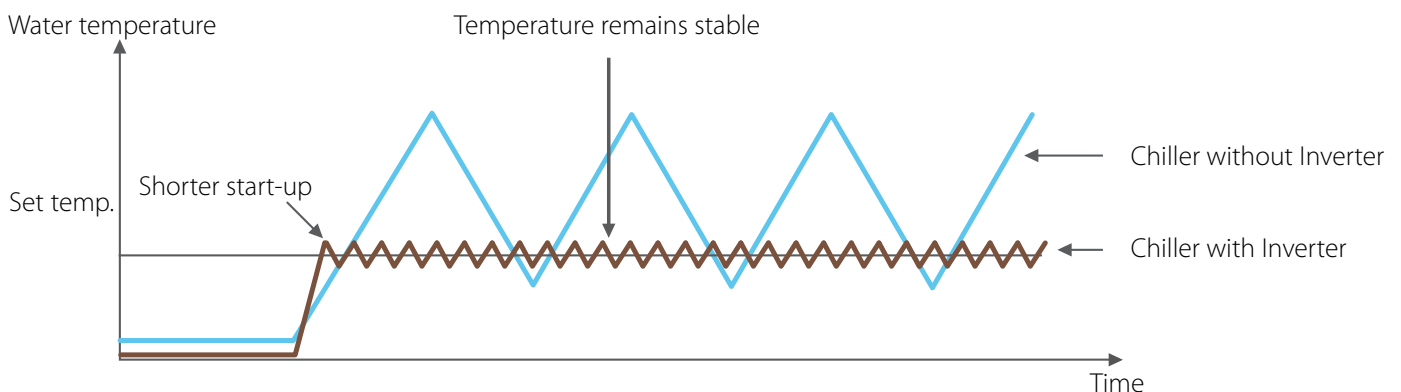
SMART CONTROL BRINGS COMFORT AND REDUCES ENERGY CONSUMPTION

Inverter technology used in the air cooled Mini Chiller (EWAQ-AC & EWYQ-AC) and the small inverter chiller (EWAQ-BAWN/BAWP & EWYQ-BAWN/BAWP) allows more precise control of the leaving water condition in function of the load. This leads to energy savings and high comfort levels, ensuring it is never too cool or too hot. This is a major advantage over standard fixed speed models, which use on/off cycling of the compressor, creating greater fluctuations in control conditions.

Inverter technology

Inverter technology offers improved levels of comfort:

- › Energy efficient: continuous matching of load requirement
- › Start-up time is reduced by 1/3
- › Less frequent start/stop cycles
- › Reduced sound levels
- › High EER/COP values





INVERTER TECHNOLOGY FOR HIGHER EFFICIENCY

Both inverter drive (ID) and variable frequency drive (VFD) are terms used to describe a piece of electrical hardware that is used to start, stop, and control the speed of an electric motor. When fitted to a single screw compressor or scroll compressor, an inverter allows it to continuously adapt the cooling capacity to the requirement of the building load by controlling the speed of the compressor motor.

Traditional systems using electric motors running at full speed even when unloaded waste electricity and with most building energy being consumed by HVAC operations, possible savings are important. With soaring energy prices and global warming concerns, our variable frequency drives for HVAC compressors, pumps, fans and motors are a major efficiency improvement as well as an energy saver and these combine to reduce costs.

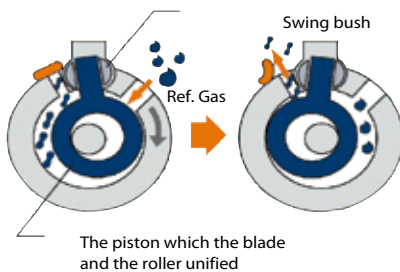
The full range of Daikin chillers now come with inverters already fitted or with an inverter alternative.

PRINCIPAL BENEFITS

- Energy efficient: displacement power factor always > 0.95
Usually the power factor of a motor progressively worsens with the decrease of the power output. However thanks to the inverter, there is no need for additional power factor correction capacitors as the power factor is always > 0.95 and there are no power surges and so costs are constrained.
- Quick start-up: start up time reduced by 1/3
The ability to vary the output power in direct relation to the cooling requirements of the system by allowing compressor boosts, gives the inverter chiller a reduced start-up-to-operating-capacity making it possible to achieving building comfort conditions in 1/3 less time than with conventional systems.
- Less frequent start/stop cycles and low starting current
The inverter technology ensures fewer start/stop cycles as well as ensuring that the start-up current is always lower than current absorbed in the maximum operating conditions (FLA). This generates obvious cost savings.
- Seasonal quietness: reduced sound levels
Low sound levels in partial load conditions are achieved by the variation of compressor frequency, thus ensuring the minimum sound levels at all times.

Reliable and efficient

THE SWING COMPRESSOR:



The Mini Chiller series EWAQ005-007ADVP & EWYQ005-007ADVP are equipped with a swing compressor. This innovative design by Daikin with fewer moving parts allows smoother more reliable operation with low vibration and low noise levels. The high efficiency motor reduces energy consumption resulting in energy cost savings.

swing



THE SCROLL COMPRESSOR FOR CONTROLLED CAPACITY:

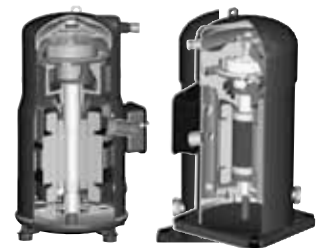
scroll



Being compact, the Daikin scroll compressor is used with R-407C and R-410A to provide constant reliability and high efficiency right throughout its service life. Designed for small and medium capacities, the scroll compressors are used with air cooled and water cooled chillers within the range of capacities between 8.6 and 256kW.

Characteristics :

- › Compact, simple yet robust design
- › Absence of valves and oscillating connecting mechanisms providing maximum reliability
- › Constant compression guaranteeing low energy consumption
- › Increased compression efficiency thanks to the absence of volumetric re-expansion
- › Low sound level
- › Low starting current



The innovative frictionless centrifugal compressor has an integrated VFD as well as magnetic bearings and delivers high levels of unit efficiency and reliability. The compressor's one moving part – the rotor shaft and impellers – is powered by the permanent magnet direct drive motor and kept levitated by a digitally controlled magnetic bearing system. This reduction in moving parts significantly increases unit reliability and reduces maintenance costs. As the condensing temperature and/or cooling load reduces, the speed of rotation reduces and movable inlet guide vanes, activated by the step motor, redirect gas flow into the first stage impeller once the compressor has reached its minimum speed. This delivers increased efficiency and cost savings during part-load operation.



Whatever the requirements of the customer, large systems requiring constant capacity or smaller systems for flexibility, Daikin always provides a reliable and efficient solution.

STANDARD ANTI-CORROSION TREATMENT

As standard, condensers for air cooled chillers are given anti-corrosion treatment. This treatment significantly increases resistance to acid rain and saline corrosion. Depending on the capacities and models, treatments are of the following type:

Acrylic treatment (Daikin ref PE)



Example of acrylic treatment

The aluminium fins are coated with an acrylic resin and a hydrophilic film.

Epoxy Treatment

The aluminium fins are black epoxy coated.



Air Cooled

In the chilled water market, chillers of the air cooled type are most frequently used. Out of its wide range of chillers in cooling only or heat pump version, with or without integrated hydronic components, Daikin always offers you a chiller fitting your application needs.

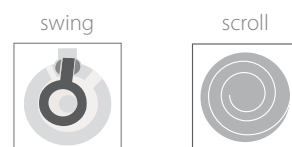
Table of contents

EWAQ-ADVP	14
EWAQ-ACV3 & EWAQ-ACW1	16
EWYQ-ADVP	18
EWYQ-ACV3 & EWYQ-ACW1	20
EUWAC-FBZW1	22
EUWA(N-P-B)-KBZW1	24
EUWY(N-P-B)-KBZW1	26
EWAQ-BAWN/BAWP	28
EWYQ-BAWN/BAWP	30
EWAQ-DAYN	32
EWYQ-DAYN	34

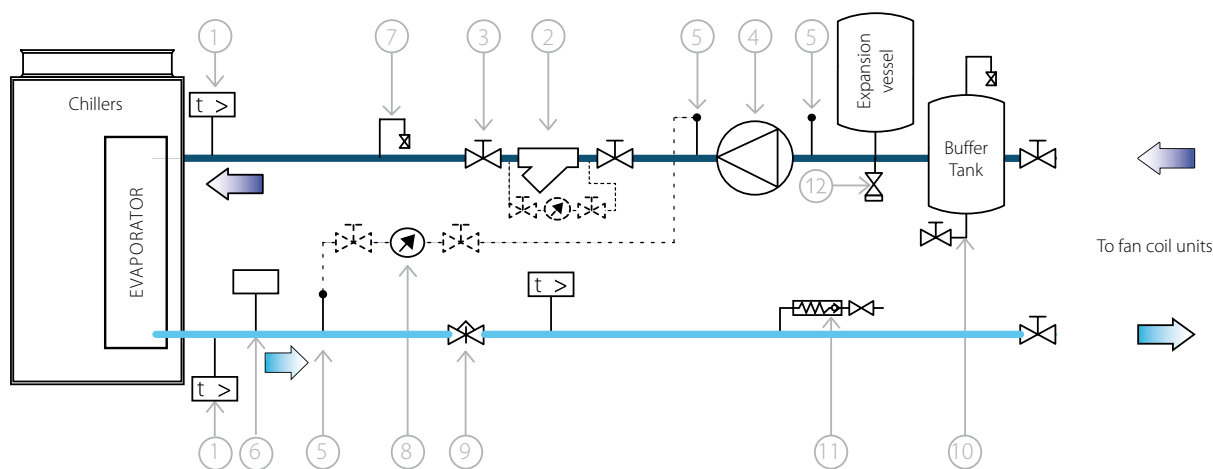


Daikin has taken great care to match major chiller components and refrigerant combinations to a point where high efficiency ranges of technically advanced and closely optimised air and water cooled units are now widely available for use with R-410A and R-407C refrigerants.

R-410A **R-407C**



AIR COOLED CHILLER



- | | | |
|-----------------------|-------------------|--------------------|
| 1. Temperature sensor | 5. Pressure port | 9. Balancing valve |
| 2. Filter | 6. Flow switch | 10. Drain valve |
| 3. Shut-off valve | 7. Air purge | 11. Charging valve |
| 4. Pump | 8. Pressure gauge | 12. Safety valve |

STRENGTHS

- › Wide operating range
- › Low operating sound level
- › Easy 'plug and play' installation
- › Daikin swing compressor
- › Integrated hydronics

OPTIONS (FACTORY MOUNTED)

- › Evaporator heater tape

CONTROL

- › Leaving water control

AVAILABLE INPUTS

- › Voltage free contact:
 - ON/OFF
- Schedule timer:
 - ON/OFF
- Silent operation



Digital controller

swing



R-410A

INVERTER





EWAQ-ADVP

Cooling only

Capacity class				EWAQ005ADVP	EWAQ006ADVP	EWAQ007ADVP
Cooling capacity	Nom.		kW	5.2	6.0	7.1
Power input	Cooling	Nom.	kW	1.89	2.35	2.95
EER				2.75	2.55	2.41
Dimensions	Unit	HeightxWidthxDepth	mm	805x1,190x360		
Weight	Unit		kg	100		
	Operation weight		kg	104		
Water heat exchanger	Type			Braze plate		
	Nominal water flow	Cooling	l/min	14.9	17.2	20.4
Air heat exchanger	Type			Tube type		
Pump	Nominal ESP unit	Cooling	kPa	49.4	45.1	38.3
Hydraulic components	Expansion vessel	Volume		l		
Sound power level	Cooling	Nom.	dBA	62		63
	Sound pressure level	Cooling	Nom.	dBA	48	
Compressor	Type			Hermetically sealed swing compressor		
Operation range	Water side	Cooling	Min.~Max. °CDB	5~20		
	Air side	Cooling	Min.~Max. °CDB	10~43		
Refrigerant	Type			R-410A		
	Charge			kg		
	Control			Inverter		
	Circuits			Quantity		
Piping connections	Water heat exchanger inlet / outlet			1" MBSP		
	Water heat exchanger drain			5/16 SAE flare		
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230		

STRENGTHS

- › Optimised for use with R-410A
- › Inverter controlled scroll compressor
- › Low operating sound level
- › Easy 'plug and play installation'
- › Wide operating range
- › Integrated hydronics

OPTIONS (FACTORY MOUNTED)

- › Evaporator heater tape

OPTION KIT

- › Digital Input/Output PCP

CONTROL

- › Leaving water control

AVAILABLE INPUTS

- › Voltage free contact:
 - ON/OFF
- Schedule timer:
 - ON/OFF
 - Silent operation



Digital controller



R-410A

INVERTER





EWAQ009-011ACV3 / EWAQ009-013ACW1

Cooling only

Capacity class				EWAQ009ACV3	EWAQ010ACV3	EWAQ011ACV3	EWAQ009ACW1	EWAQ011ACW1	EWAQ013ACW1
Cooling capacity	Nom.			12.2 ¹ / 8.6 ²	13.6 ¹ / 9.6 ²	15.7 ¹ / 11.1 ²	12.9 ¹ / 9.1 ²	15.7 ¹ / 11.1 ²	17.0 ¹ / 13.3 ²
Capacity control	Method			Inverter controlled			Inverter controlled		
Power input	Cooling	Nom.	kW	2.85 ¹ / 2.83 ²	3.41 ¹ / 3.28 ²	4.13 ¹ / 3.90 ²	3.08 ¹ / 3.05 ²	4.13 ¹ / 3.90 ²	5.52 ¹ / 5.18 ²
EER				4.27 ¹ / 3.05 ²	4.00 ¹ / 2.93 ²	3.79 ¹ / 2.85 ²	4.19 ¹ / 2.99 ²	3.79 ¹ / 2.85 ²	3.08 ¹ / 2.57 ²
ESEER				4.31	4.30	4.33	4.43	4.44	4.36
Dimensions	Unit	HeightxWidthxDepth	mm	1,435x1,418x382			1,435x1,418x382		
Weight	Unit			180			180		
Water heat exchanger	Type			Brazen plate			Brazen plate		
	Water volume			1.01			1.01		
	Nominal water flow	Cooling	l/min	24.7	27.6	31.9	26.1	31.9	38.2
Air heat exchanger	Type			Hi-XSS			Hi-XSS		
Pump	Nominal ESP unit	Cooling	kPa	58.0	54.6	49.1	56.4	49.1	40.9
Hydraulic components	Expansion vessel	Volume	l	10			10		
Fan	Air flow rate	Cooling	Nom. m ³ /min	96	100	97	-		
Fan motor	Speed	Cooling	Nom. rpm	780			780		
		Steps		8			8		
Sound power level	Cooling	Nom.	dBA	64			64	66	
Sound pressure level	Cooling	Nom.	dBA	51			51		52
	Night quiet mode	Cooling	dBA	45			45		46
Compressor	Type			Hermetically sealed scroll compressor			Hermetically sealed scroll compressor		
Operation range	Water side	Cooling	Min.-Max. °CDB	5~22			5~22		
	Air side	Cooling	Min.-Max. °CDB	10~46			10~46		
Refrigerant	Type			R-410A			R-410A		
	Charge			2.95			2.95		
	Control			Electronic expansion valve			Electronic expansion valve		
	Circuits	Quantity		1			1		
Water circuit	Piping connections diameter			G 5/4" (female)			G 5/4" (female)		
	Piping			5/4"			5/4"		
Power supply	Phase/Frequency/Voltage			1~/50/230			3N~/50/400		

(1) Underfloor program: cooling Ta 35°C - LWE 18°C (Dt: 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (Dt: 5°C)

(2) Fan coil program: cooling Ta 35°C - LWE 7°C (Dt: 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (Dt: 5°C)

STRENGTHS

- > Wide operating range
- > Low operating sound level
- > Easy 'plug and play' installation
- > Daikin swing compressor
- > Integrated hydronics

OPTIONS (FACTORY MOUNTED)

- > Evaporator heater tape

CONTROL

- > Leaving water control
- > Setpoint in heating & cooling

AVAILABLE INPUTS

- > Voltage free contact:
 - ON/OFF
 - Cooling/Heating changeover
- > Schedule timer:
 - ON/OFF
 - Dual setpoint
 - Silent operation



Digital controller

swing



R-410A

INVERTER





EWYQ-ADVP

Heating & Cooling

Capacity class				EWYQ005ADVP	EWYQ006ADVP	EWYQ007ADVP
Cooling capacity	Nom.		kW	5.2	6.0	7.1
Heating capacity	Nom.		kW	6.1 ¹ / 5.65 ²	6.8 ¹ / 6.35 ²	8.2 ¹ / 7.75 ²
Power input	Cooling	Nom.	kW	1.89	2.35	2.95
	Heating	Nom.	kW	1.60 ¹ / 1.97 ²	1.84 ¹ / 2.24 ²	2.36 ¹ / 2.83 ²
EER				2.75	2.55	2.41
COP				3.81 ¹ / 2.87 ²	3.70 ¹ / 2.83 ²	3.47 ¹ / 2.74 ²
Dimensions	Unit	HeightxWidthxDepth	mm	805x1,190x360		
Weight	Unit		kg	100		
	Operation weight		kg	104		
Water heat exchanger	Type			Braze plate		
	Nominal water flow	Cooling	l/min	14.9	17.2	20.4
		Heating	l/min	17.5	19.5	23.5
Air heat exchanger	Type			Tube type		
Pump	Nominal ESP unit	Cooling	kPa	49.4	45.1	38.3
Hydraulic components	Expansion vessel	Volume	l	6		
Sound power level	Cooling	Nom.	dBA	62		63
	Sound pressure level	Cooling	Nom.	dBA	48	
		Heating	Nom.	dBA	48	
Compressor	Type			Hermetically sealed swing compressor		
Operation range	Water side	Cooling	Min.~Max. °CDB	5~20		
		Heating	Min.~Max. °CDB	25~50		
	Air side	Cooling	Min.~Max. °CDB	10~43		
		Heating	Min.~Max. °CDB	-15~25		
Refrigerant	Type			R-410A		
	Charge		kg	1.7		
	Control			Inverter		
	Circuits	Quantity		1		
Piping connections	Water heat exchanger inlet / outlet			1" MBSP		
	Water heat exchanger drain			5/16 SAE flare		
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230		

(1) DB/WB 7°C/6°C - LWC 35°C (Dt=5°C)

(2) DB/WB 7°C/6°C - LWC 45°C (Dt=5°C)

STRENGTHS

- > Optimised for use with R-410A
- > Inverter controlled scroll compressor
- > Low operating sound level
- > Easy 'plug and play' installation
- > Integrated hydronics
- > Wide operating range

OPTIONS (FACTORY MOUNTED)

- > Evaporator heater tape

OPTION KIT

- > Digital Input/Output PCP (size 009-013 only)

CONTROL

- > Leaving water control
- > Setpoint in heating & cooling

AVAILABLE INPUTS

- > Voltage free contact:
 - ON/OFF
 - Cooling/Heating changeover
- > Schedule timer:
 - ON/OFF
 - Dual setpoint
 - Silent operation



Digital controller





EWYQ009-011ACV3/EWYQ009-013ACW1

Heating & Cooling

Capacity class				EWYQ009ACV3	EWYQ010ACV3	EWYQ011ACV3	EWYQ009ACW1	EWYQ011ACW1	EWYQ013ACW1	
Cooling capacity	Nom.			12.2 ¹ / 8.6 ²	13.6 ¹ / 9.6 ²	15.7 ¹ / 11.1 ²	12.9 ¹ / 9.1 ²	15.7 ¹ / 11.1 ²	17.0 ¹ / 13.3 ²	
	Heating capacity	Nom.			10.2 ¹ / 9.9 ²	11.7 ¹ / 11.4 ²	13.8 ¹ / 12.9 ²	11.2 ¹ / 10.9 ²	13.2 ¹ / 12.4 ²	14.8 ¹ / 13.9 ²
Capacity control	Method			Inverter controlled			Inverter controlled			
Power input	Cooling	Nom.			2.85 ¹ / 2.83 ²	3.41 ¹ / 3.28 ²	4.13 ¹ / 3.90 ²	3.08 ¹ / 3.05 ²	4.13 ¹ / 3.90 ²	5.52 ¹ / 5.18 ²
		Heating	Nom.			2.43 ¹ / 2.99 ²	2.81 ¹ / 3.46 ²	3.20 ¹ / 3.94 ²	2.69 ¹ / 3.31 ²	3.07 ¹ / 3.78 ²
EER				4.27 ¹ / 3.05 ²	4.00 ¹ / 2.93 ²	3.79 ¹ / 2.85 ²	4.19 ¹ / 2.99 ²	3.79 ¹ / 2.85 ²	3.08 ¹ / 2.57 ²	
ESEER				4.31	4.30	4.33	4.43	4.44	4.36	
COP				4.19 ¹ / 3.30 ²	4.17 ¹ / 3.29 ²	4.30 ¹ / 3.27 ²	4.17 ¹ / 3.28 ²	4.31 ¹ / 3.27 ²	4.28 ¹ / 3.25 ²	
Dimensions	Unit	HeightxWidthxDepth		1,435x1,418x382			1,435x1,418x382			
Weight	Unit			180			180			
Water heat exchanger	Type			Brazen plate			Brazen plate			
	Water volume			1.01			1.01			
	Nominal water flow	Cooling	l/min		24.7	27.6	31.9	26.1	31.9	38.2
		Heating	l/min		28.3	32.6	36.9	31.2	35.5	39.8
Air heat exchanger	Type			Hi-XSS			Hi-XSS			
Pump	Nominal ESP unit	Cooling	kPa		58.0	54.6	49.1	56.4	49.1	40.9
Hydraulic components	Expansion vessel		Volume	l		10	10			
Fan	Air flow rate	Cooling	Nom.	m ³ /min		96	100	97	-	
		Heating	Nom.	m ³ /min		90		-		
Fan motor	Speed	Cooling	Nom.	rpm		780			780	
		Heating	Nom.	rpm		760			760	
	Steps			8			8			
	Sound power level	Cooling	Nom.	dBA		64	64		66	
Sound pressure level	Heating	Nom.	dBA		64	64		66		
	Cooling	Nom.	dBA		51	51		52		
	Heating	Nom.	dBA		51	51		52		
	Night quiet mode	Cooling	dBA		45	45		46		
	Heating	dBA		42	42		43			
Compressor	Type			Hermetically sealed scroll compressor			Hermetically sealed scroll compressor			
Operation range	Water side	Cooling	Min.~Max.	°CDB		5~22	5~22		5~22	
		Heating	Min.~Max.	°CDB		25~50	25~50		25~50	
	Air side	Cooling	Min.~Max.	°CDB		10~46	10~46		10~46	
		Heating	Min.~Max.	°CDB		-15~35	-15~35		-15~35	
Refrigerant	Type			R-410A			R-410A			
	Charge			kg		2.95	2.95		2.95	
	Control			Electronic expansion valve			Electronic expansion valve			
	Circuits		Quantity	1		1		1		
Water circuit	Piping connections diameter		inch		G 5/4" (female)			G 5/4" (female)		
	Piping		inch		5/4"			5/4"		
Power supply	Phase/Frequency/Voltage		Hz/V		1~/50/230			3N~/50/400		

(1) Underfloor program: cooling Ta 35°C - LWE 18°C (Dt: 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (Dt: 5°C)
(2) FCU program: Cooling Ta 35°C - LWE 7°C (Dt:5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (Dt:5°C)

STRENGTHS

- › Optimised for use with R-407C
- › Daikin scroll compressor
- › Electronic DDC controller
- › Standard phase sequence controller
- › Maximum external static pressure (ESP): 150Pa
- › Pressure gauges
- › Standard operation range down to -10°C
- › Regulating switch
- › Water inlet or outlet temperature control
- › Input contacts/available outputs
- › Input: on/off (per circuit), pump/flow switch
- › Outputs: compressor operation, summary alarm, pump relay contact
- › Compatible with hydraulic module
- › μC^2 SE controller

OPTIONS (FACTORY MOUNTED)

- › Chilled water temperature down to -5°C or -10°C

ACCESSORIES (KIT)

- › Address card for connection to BMS or remote user interface (EKAC10C)
 - › Remoted installed user interface (EKSUMCA)
- *To install EKSUMCA -> EKAC10C needs to be installed on the unit

CONTROL

- › Water inlet temperature control

AVAILABLE

INPUTS / OUTPUTS

Input

- › ON / OFF (per circuit)
- › Pump / flow switch

Output

- › Compressor operation
- › Summary alarm
- › Pump relay contact



μC^2 SE

scroll



R-407C





EUWAC8FBZW1

Cooling only

Capacity class				5	8	10	
Cooling capacity	Nom.		kW	11.6	18.4	23.8	
Capacity steps			%		100-0		
Power input	Cooling	Nom.	kW	5.2	7.66	9.67	
EER				2.23	2.40	2.46	
Dimensions	Unit	HeightxWidthxDepth	mm	1,345x856x630	1,290x1,180x630	1,395x1,330x630	
Weight	Unit		kg	164	224	261	
	Operation weight		kg	166	228	266	
Water heat exchanger - evaporator	Type	Braze plate, one per circuit					
	Minimum water volume in the system		l	101	153	212	
	Water flow rate	Nom.	l/min	33	53	68	
	Nominal water pressure drop	Cooling	Heat exchanger	kPa	26	42	48
					Model	Type	AC70-24
		Quantity		1			
Air heat exchanger	Type	Cross fin coil/Hi-X tubes and PE coated waffle louvre fins					
Fan	Air flow rate	Nom.	m ³ /min	70.2	109.8	126	
Sound power level	Cooling	Nom.	dB(A)	63	66	69	
Compressor	Type	Hermetically sealed scroll compressor					
Operation range	Water side	Cooling	Min.~Max. °CDB	-10 (OPZL) ~ 21			
	Air side	Cooling	Min.~Max. °CDB	-10 ~ 43			
Refrigerant	Type	R-407C					
	Control	Thermostatic expansion valve					
Refrigerant circuit	Circuits	Quantity		1			
	Charge		kg	2.1	3.9	4.7	
Piping connections	Evaporator water inlet/outlet	FBSP 1"					
	Evaporator water drain	Field installation					
Power supply	Phase / Frequency / Voltage		Hz / V	3N~ / 50 / 400			

STRENGTHS

- > Optimised for use with R-407C
- > Daikin scroll compressor
- > Reduced installation time thanks to integrated pump and and/or buffer tank
- > Possibility for a 200l buffer tank
- > Low operating sound level
- > Easy maintenance
- > Main switch
- > Water flow switch
- > 3 different design options available:
 - EUWAN chiller without integrated hydraulic module ;
 - EUWAP chiller with integrated hydraulic module (pump, expansion vessel, hydraulic components) ;
 - EUWAB chiller with integrated hydraulic module (buffer tank, pump, expansion vessel, hydraulic components)
- > μC^2 SE controller



μC^2 SE

scroll



R-407C

OPTIONS (FACTORY MOUNTED)

- > Chilled water temperature down to -5°C or -10°C
- > High ESP fans (50Pa)

ACCESSORIES (KIT)

- > Refrigerant pressure gauges (EKGAU5/8/10/12/16/20/24KA)
- > 200l buffer tank (EKBT, see EKBT page in this catalogue)
- > Soft starter kit (EKSS)
- > Address card for connection to BMS or remote user interface (EKAC10C)
- > Remote installed user interface (EKSUMCA)

* To install EKSUMCA -> EKAC10C needs to be installed on the unit

CONTROL

- > Water inlet temperature control

AVAILABLE

INPUTS / OUTPUTS

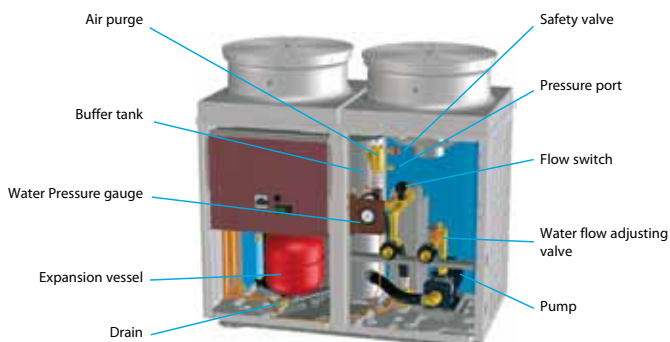
Input

- > Remote ON/OFF
- > Pump contact

Output

- > Compressor operation
- > Summary alarm
- > Pump relay contact

HYDRAULIC CIRCUIT COMPONENTS





EUWA*16KBZW1

EUWAN:

- > Scroll compressor
- > Main isolator switch
- > Water flow switch
- > Filter
- > Condenser protection grille
- > All year operation

EUWAP = EUWAN +

- > Pump
- > Expansion vessel
- > Adjusting valve
- > Drain
- > Water pressure gauge
- > Pressure relief valve

EUWAB = EUWAP +

- > Buffer tank

Cooling only

Capacity class				N5	P5	B5	N8	P8	B8	N10	P10	B10	N12	P12	B12	N16	P16	B16	N20	P20	B20	N24	P24	B24					
Cooling capacity	Nom.	kW		11.3			19.7			22.5			26.5			34.6			46.6			55.3							
Capacity steps				0-100												0-50-100													
Power input	Cooling	Nom.	kW	4.48			7.27			8.64			11.50			14.70			17.90			23.80							
EER				2.53			2.46			2.60			2.30			2.35			2.60			2.32							
Dimensions	Unit	HeightxWidthxDepth	mm	1,230x1,290x734						1,450x1,290x734						1,321x2,580x734			1,541x2,580x734										
Weight	Unit	kg		150	168	180	215	229	241	245	259	271	248	262	274	430	448	460	490	508	520	496	514	526					
	Operation weight	kg		152	171	239	218	232	300	248	262	330	251	265	335	436	457	525	496	518	545	503	524	592					
Water heat exchanger	Type			Braze plate																									
	Water volume	l		1.14			1.615			1.9			2.375			2.964			3.9			4.524							
	Nominal water flow	Cooling	l/min	32			51			64			76			99			134			158							
	Nominal water pressure drop	Cooling	Heat exchanger	kPa		24			38			43			37			22											
Air heat exchanger	Type	Cross fin coil/Hi-X tubes and PE coated waffle louvre fins																											
Hydraulic components	Expansion vessel	Volume	l	-	12	-	12	-	12	-	12	-	12	-	12	-	12	-	12	-	12	-	12	-	12				
Fan group	Air flow rate	Cooling	Nom.	m ³ /min		160 (per 2 fans)						170 (per 2 fans)																	
Fan group 2	Air flow rate	Cooling	Nom.	m ³ /min		-						78						170 (per 2 fans)											
Sound power level	Cooling	Nom.	dBA		67			76			78			79			81												
Compressor	Type	Hermetically sealed scroll compressor																											
	Operation range	Water side	Cooling	Min.~Max.	°CDB		-10 (OPZL) ~ 25																						
	Air side	Cooling	Min.~Max.	°CDB		-15 ~ 43																							
Refrigerant	Type	R-407C																											
	Control	Thermostatic expansion valve																											
	Circuits	Quantity	1												2														
Refrigerant circuit	Charge	kg		3.9			4.6			5.9			6.0			4.6			5.9			6.0							
Refrigerant circuit 2	Charge	kg		-																									
Water circuit	Piping connections diameter	inch		G 1"1/4 (male)												2" male													
	Piping	inch		1-1/4"												-													
Power supply	Phase / Frequency / Voltage	Hz / V		3N~ / 50 / 400																									

STRENGTHS

- › Optimised for use with R-407C
- › Daikin scroll compressor
- › Reduced installation time thanks to integrated pump and/or buffer tank
- › Possibility for a 200l buffer tank
- › Low operating sound level
- › Easy maintenance
- › Main switch
- › Water flow switch
- › 3 different design options available:
 - EUWYN chiller without integrated hydraulic module;
 - EUWYP chiller with integrated hydraulic module (pump, expansion vessel, hydraulic components);
 - EUWYB chiller with integrated hydraulic module (buffer tank, pump, expansion vessel, hydraulic components)
- › μC^2 SE controller



μC^2 SE

OPTIONS (FACTORY MOUNTED)

- › Chilled water temperature down to -5°C or -10°C
- › High ESP fans (50Pa)

ACCESSORIES (KIT)

- › Refrigerant pressure gauges (EKGAU5/8/10/12/16/20/24KA)
- › 200l buffer tank (EKBT, see EKBT page in this catalogue)
- › Soft starter kit (EKSS)
- › Address card for connection to BMS or remote user interface (EKAC10C)
- › Remote installed user interface (EK RUMCA)

*To install EK RUMCA -> EKAC10C needs to be installed on the unit

CONTROL

- › Water inlet temperature control

AVAILABLE

INPUTS / OUTPUTS

Input

- › Remote ON/OFF
- › Pump contact
- › Remote cool/heat selection

Output

- › Compressor operation
- › Summary alarm
- › Pump relay contact

scroll



R-407C





EUWY*16KBZW1

EUWYN:

- Standard equipment
- > Scroll compressor
- > Main isolator switch
- > Water flow switch
- > Filter
- > Condenser protection grille.
- > All year operation

EUWYP = EUWYN +

- > Pump
- > Expansion vessel
- > Adjusting valve
- > Drain
- > Water pressure gauge
- > Pressure relief valve

EUWYB = EUWYP +

- > Buffer tank

Heating & Cooling

Capacity class				N5	P5	B5	N8	P8	B8	N10	P10	B10	N12	P12	B12	N16	P16	B16	N20	P20	B20	N24	P24	B24			
Cooling capacity	Nom.	kW		9.1		17.1		21.0		25.0		34.2		40		50.0											
Heating capacity	Nom.	kW		11.9		18.5		24.0		27.0		37.0		46		54.0											
Capacity steps				%												0-100			0-50-100								
Power input	Cooling	Nom.	kW	3.77		7.38		8.49		11.3		14.8		16.2		22.6											
	Heating	Nom.	kW	4.56		7.01		8.98		10.7		14.10		17.3		21.4											
EER				2.41		2.32		2.47		2.21		2.3		2.5		2.2											
COP				2.61		2.64		2.67		2.52		2.62		2.66		2.52											
Dimensions	Unit	HeightxWidthxDepth	mm	1,230x1,290x734						1,450x1,290x734						1,321x2,580x734						1,541x2,580x734					
Weight	Unit	kg		163	181	193	227	241	253	258	272	284	258	272	284	455	473	485	516	534	546	516	534	546			
	Operation weight	kg		165	184	252	230	244	312	261	275	343	261	275	343	461	482	550	522	544	612	522	544	612			
Water heat exchanger	Type				Braze plate																						
	Water volume	l		1.140		1.615		1.900		2.375		2.964		3.900		4.524											
	Nominal water flow	Cooling	l/min	26		49		60		72		98		115		143											
		Heating	l/min	34		53		69		77		106		132		155											
Nominal water pressure drop	Cooling	Filter	kPa	10		25		24		33		12		19													
	Heating	Filter	kPa	17		29		31		38		14		16		22											
Air heat exchanger	Type				Cross fin coil/Hi-X tubes and PE coated waffle louvre fins																						
Hydraulic components	Expansion vessel	Volume	l	-	12	-	12	-	12	-	12	-	12	-	12	-	12	-	12	-	12	-	12				
Fan group	Air flow rate	Cooling	Nom.	m ³ /min		160 (per 2 fans)				170 (per 2 fans)																	
Fan group 2	Air flow rate	Cooling	Nom.	m ³ /min		-				170 (per 2 fans)																	
Sound power level	Cooling	Nom.	dB(A)	67		76		78		79		81															
Compressor	Type				Hermetically sealed scroll compressor																						
Operation range	Water side	Cooling	Min.-Max.	°CDB		-10(OPZL) ~ 20																					
		Heating	Min.-Max.	°CDB		35 ~ 50																					
	Air side	Cooling	Min.-Max.	°CDB		-15 ~ 43																					
		Heating	Min.-Max.	°CDB		-10 ~ 21																					
Refrigerant	Type				R-407C																						
	Control				Thermostatic expansion valve																						
	Circuits	Quantity				1						2															
Refrigerant circuit	Charge	kg		4.6		4.7		5.4		5.1		5.4		5.6													
Refrigerant circuit 2	Charge	kg		-		-		-		5.1		5.4		5.6													
Water circuit	Piping connections diameter	inch		G 1"1/4 (male)												2" male											
	Piping	inch		1-1/4"												2"											
Power supply	Phase / Frequency / Voltage	Hz / V			3N~ / 50 / 400																						

STRENGTHS

- › High efficiency chiller with leader-of-class ESEER (up to 4.75)
- › Minimal starting currents and short payback times
- › No buffertank required for standard applications
- › Naked or with factory mounted (standard/high-ESP) pump
- › Low sound thanks to inverter compressor / fans
- › EWAQ-BAWN: Naked
- › EWAQ-BAWP: With pump

STANDARD AVAILABLE

- › Hydraulic package: filter, shut-off valves, drain/fill valve, automatic air purge, flowswitch

OPTIONS

- › Additional hydraulic components: (high static) pump, expansion vessel, safety valve, pressure gauge
- › Heatertape
- › Low leaving water temperatures

ACCESSORIES

- › Pressure gauges (BHGP26A1)
- › PCB with additional inputs/outputs (EKRPAHTA)
- › External control adapter (DTA104A62)
- › Additional controller in parallel (EKRUHTB)



BRC21A52

scroll



R-410A

INVERTER





EWAQ-BA*

Cooling only

Capacity class				016	021	025	032	040	050	064	
Cooling capacity	Nom.	kW		16.8	21.0	25.2	31.5	42.0	50.4	63.0	
Capacity control	Method			Inverter controlled							
	Minimum capacity			25							
Power input	Cooling	Nom.		5.57	7.25	9.25	12.9	14.9	19.0	26.7	
		kW		3.01	2.90	2.72	2.44	2.82	2.65	2.36	
ESEER				4.75	4.65	4.45	4.00	4.60	4.40	3.95	
Dimensions	Unit	Height	Width	Depth	mm		1,684x1,684x774	1,684x1,684x774	1,684x2,358x780	1,684x2,980x780	
Weight	Unit			kg		264	317	397	571	730	
	Operation weight			kg		267	320	401	577	738	
Water heat exchanger	Type			Braze plate							
	Water volume			l		1	2	3	5		
	Nominal water flow	Cooling	l/min		48	60	72	90	120	144	181
			Heating		48	60	72	90	120	144	181
Nominal water pressure drop		Cooling	Total	kPa		20	30	42	30	42	30
Air heat exchanger	Type			Hi-XSS							
Fan	Air flow rate	Cooling	Nom.	m ³ /min		171	185	233	370	466	
Sound power level	Cooling	Nom.		dBA		78	80	81	83		
Compressor	Type			Hermetically sealed scroll compressor							
Operation range	Water side	Cooling	Min.~Max.		°CDB		5~20				
			Air side		Cooling		Min.~Max. °CDB				-5~43
Refrigerant	Type			R-410A							
	Charge			kg		7.6	9.6	15.2	19.2		
	Control			Electronic expansion valve							
	Circuits		Quantity		1						
Water circuit	Piping			inch		1-1/4"			1-1/2"		
Power supply	Phase/Frequency/Voltage			Hz/V		3N~/50/400					

STRENGTHS

- › High efficiency chiller with leader-of-class ESEER (up to 4.75)
- › Minimal starting currents and short payback times
- › No buffertank required for standard applications
- › Naked or with factory mounted (standard/high-ESP) pump
- › Low sound thanks to inverter compressor / fans
- › EWYQ-BAWN: Naked
- › EWYQ-BAWP: With pump

STANDARD AVAILABLE

- › Hydraulic package: filter, shut-off valves, drain/fill valve, automatic air purge, flowswitch

OPTIONS

- › Additional hydraulic components: (high static) pump, expansion vessel, safety valve, pressure gauge
- › Heatertape
- › Low leaving water temperatures

ACCESSORIES

- › Pressure gauges (BHGP26A1)
- › PCB with additional inputs/outputs (EKRPAHTA)
- › External control adapter (DTA104A62)
- › Additional controller in parallel (EKRUHTB)



BRC21A52

scroll



R-410A

INVERTER





EWYQ-BA*

Heating & Cooling

Capacity class				016	021	025	032	040	050	064	
Cooling capacity	Nom.	kW		16.8	21.0	25.2	31.5	42.0	50.4	63.0	
Heating capacity	Nom.	kW		16.8	21.0	25.2	31.5	42.0	50.4	63.0	
Capacity control	Method			Inverter controlled							
	Minimum capacity			25							
Power input	Cooling	Nom.	kW	5.57	7.25	9.25	12.9	14.9	19.0	26.7	
	Heating	Nom.	kW	5.51	7.09	8.87	10.5	14.2	17.8	21.0	
EER				3.01	2.90	2.72	2.44	2.82	2.65	2.36	
ESEER				4.75	4.65	4.45	4.00	4.60	4.40	3.95	
COP				3.05	2.96	2.84	3.00	2.96	2.83	3.00	
Dimensions	Unit	HeightxWidthxDepth	mm	1,684x1,371x774			1,684x1,684x774	1,684x2,358x780		1,684x2,980x780	
Weight	Unit		kg	264	317		397	571		730	
	Operation weight		kg	267	320		401	577		738	
Water heat exchanger	Type			Brazen plate							
	Water volume		l	1		2		3		5	
	Nominal water flow	Cooling	l/min	48	60	72	90	120	144	181	
		Heating	l/min	48	60	72	90	120	144	181	
Nominal water pressure drop	Cooling	Total	kPa	20	30	42	30		42	30	
Air heat exchanger	Type			Hi-XSS							
Fan	Air flow rate	Cooling	Nom.	m ³ /min	171	185		233	370		466.0
		Heating	Nom.	m ³ /min	171	185		233	370		466
Sound power level	Cooling	Nom.	dB(A)	78		80		81	83		
Compressor	Type			Hermetically sealed scroll compressor							
Operation range	Water side	Cooling	Min.~Max.	°CDB	5~20						
		Heating	Min.~Max.	°CDB	25~50						
	Air side	Cooling	Min.~Max.	°CDB	-5~43						
		Heating	Min.~Max.	°CDB	-15~35						
Refrigerant	Type			R-410A							
	Charge		kg	7.6		9.6		15.2		19.2	
	Control			Electronic expansion valve							
	Circuits	Quantity		1							
Water circuit	Piping		inch	1-1/4"				1-1/2"			
Power supply	Phase/Frequency/Voltage		Hz/V	3N~/50/400							

STRENGTHS

- › Optimised for use with R-410A refrigerant
- › Multiple compressors per circuit
- › Reliable and efficient scroll with high EER values
- › Anti-corrosion treated aluminium coils
- › Low operating sound level
- › Easy 'plug and play' installation
- › Fans protected against abnormal operation (4 - 8 fans depending on unit size)
- › Safety valves in each circuit
- › Electronic circuit breakers
- › Electronic expansion valve
- › True dual plate brazed plate heat exchanger
- › All hydronics can be accessed easily from 3 sides (no surrounding cabinet)
- › Separate switchbox for easy access
- › Compressors and controls at unit side
- › Increased reliability via 2 independent refrigerant circuits (EWAQ130-260DAYN)
- › Double circuit heat exchanger (from >100 kW)
- › Non hermetic filter/dryer
- › Daikin Pcaso controller with user friendly and powerful LCD interface

OPTIONS (FACTORY MOUNTED)

- › Single pump contactor
- › Twin pump contactor
- › Single pump
- › Twin pump (1 pump casing, dual motor)
- › High ESP pump (single pump only)
- › Buffer tank
- › Inverter fans (not available with low noise option)
- › Glycol 0°C / -10°C
- › Evaporator heater tape
- › Option valves
- › A-meter / V-meter
- › Low Noise
- › Condenser protection grills
- › Dual pressure relief valve

ACCESSORIES (KIT)

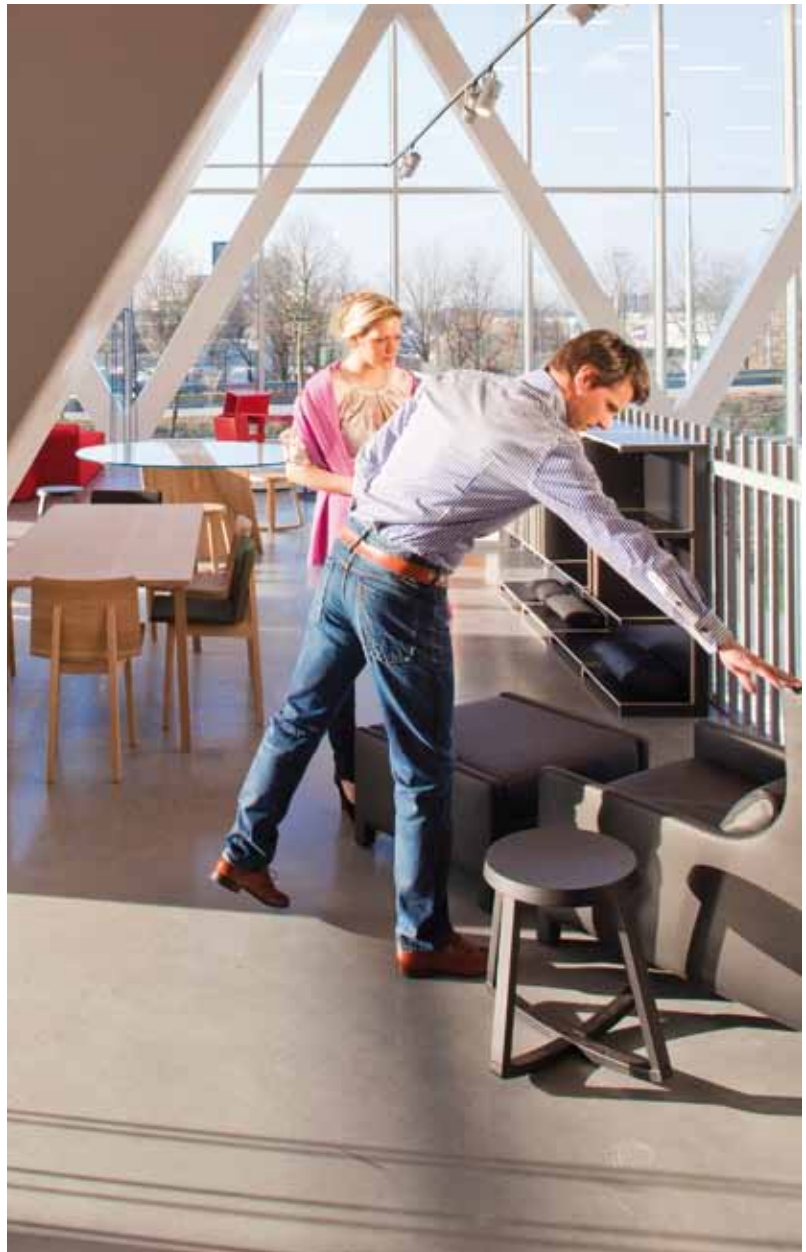
- › Gateway for LON (EKLNPG)
- › Gateway for BACNET (EKBNPG)
- › Address card (EKACPG)
- › Remote user interface (EKRUFG)
- › Waterpipe kit (EKGN210 & EKGN260)



PCASO



R-410A





EWAQ130,150DAYN

Cooling only

Capacity class				EWAQ080DAYN	EWAQ100DAYN	EWAQ130DAYN	EWAQ150DAYN	EWAQ180DAYN	EWAQ210DAYN	EWAQ240DAYN	EWAQ260DAYN	
Cooling capacity	Nom.	kW		79.4 ¹ / 81.0 ²	104 ¹ / 106 ²	130 ¹ / 133 ²	151 ¹ / 154 ²	181 ¹ / 184 ²	208 ¹ / 211 ²	234 ¹ / 238 ²	252 ¹ / 256 ²	
Capacity steps				0-50-100		0-25-50-75-100		21/29-43/50/57-71/79-100	0-25-50-75-100	22/28-40/50/56-72/78-100	0-25-50-75-100	
Power input	Cooling	Nom.	kW		27.0 ¹ / 27.6 ²	36.9 ¹ / 37.2 ²	47.4 ¹ / 48.1 ²	57.2 ¹ / 57.8 ²	65.6 ¹ / 66.5 ²	75.9 ¹ / 76.6 ²	84.4 ¹ / 84.5 ²	95.8 ¹ / 95.8 ²
EER				2.94 ¹ / 2.93 ²	2.82 ¹ / 2.85 ²	2.74 ¹ / 2.77 ²	2.64 ¹ / 2.66 ²	2.76 ¹ / 2.77 ²	2.74 ¹ / 2.75 ²	2.77 ¹ / 2.82 ²	2.63 ¹ / 2.67 ²	
ESEER				3.88 ¹ / 3.82 ²	3.79 ¹ / 3.83 ²	4.03 ¹ / 3.97 ²	3.95 ¹ / 3.96 ²	4.04 ¹ / 4.02 ²	4.00 ¹ / 4.02 ²	3.89 ¹ / 4.00 ²	3.73 ¹ / 3.84 ²	
Dimensions	Unit	HeightxWidthxDepth	mm		2,311x2,000x2,566		2,311x2,000x2,631		2,311x2,000x3,081		2,311x2,000x4,850	
Weight	Unit	kg		1,350	1,400	1,500	1,550	1,800	1,850	3,150	3,250	
	Operation weight	kg		1,365	1,415	1,517	1,569	1,825	1,877	3,189	3,292	
Water heat exchanger	Type	Braze plate										
	Nominal water flow	Cooling	l/min		229	301	377	436	522	599	677	728
	Nominal water pressure drop	Cooling	Total	kPa		59	58	52	49	52	53	47
Air heat exchanger	Type	Cross fin coil/Hi-Xss tubes and poly ethylene coated waffle fins										
Fan	Air flow rate	Nom.	m ³ /min		780	800	860	1,290		1,600		
	Speed	rpm			880	900	970		900			
Sound power level	Cooling	Nom.	dB(A)		86	88	89	90		91		
Compressor	Type	Scroll compressor										
Operation range	Water side	Cooling	Min.~Max.	°CDB		-10~25						
	Air side	Cooling	Min.~Max.	°CDB		-15~43						
Refrigerant	Type	R-410A										
	Control	Electronic expansion valve										
	Circuits	Quantity		1		2						
Refrigerant circuit	Charge	kg		33	19	23	31	30	40	39		
Refrigerant circuit 2	Charge	kg		-	19	23	31	30	40	39		
Piping connections	Water heat exchanger inlet / outlet	3" OD										
	Water heat exchanger drain	1/2"G										
Power supply	Phase/Frequency/Voltage	Hz/V		3~/50/400								

(1) For -N models (standard)

(2) For -P models (with optional pump / +OPSP) and for -B models (with optional pump and buffertank / +OPSP +OPBT)

STRENGTHS

- › Optimised for use with R-410A refrigerant
- › Multiple compressors per circuit
- › Reliable and efficient scroll with high EER values
- › Anti-corrosion treated aluminium coils
- › Low operating sound level
- › Easy 'plug and play' installation
- › Fans protected against abnormal operation (4 - 8 fans depending on unit size)
- › Safety valves in each circuit
- › Electronic circuit breakers
- › Electronic expansion valve
- › True dual plate brazed plate heat exchanger
- › All hydronics can be accessed easily from 3 sides (no surrounding cabinet)
- › Separate switchbox for easy access
- › Compressors and controls at unit side
- › Increased reliability via 2 independent refrigerant circuits (EWYQ130-250DAYN)
- › Double circuit heat exchanger (from >100 kW)
- › Non hermetic filter/dryer
- › Daikin Pcaso controller with user friendly and powerful LCD interface

OPTIONS (FACTORY MOUNTED)

- › Single pump contactor
- › Twin pump contactor
- › Single pump
- › Twin pump (1 pump casing, dual motor)
- › High ESP pump (single pump only)
- › Buffer tank
- › Inverter fans (not available with low noise option)
- › Glycol 0°C / -10°C
- › Dual pressure relief valve
- › Evaporator heater tape
- › Option valves (discharge, liquid line and suction stop valve)
- › A-meter / V-meter
- › Low Noise
- › Condenser protection grills

ACCESSORIES (KIT)

- › Gateway for LON (EKLNPG)
- › Gateway for BACNET (EKBNPG)
- › Address card (EKACPG)
- › Remote user interface (EKRUFG)
- › Waterpipe kit (EKG210 & EKG260)



PCASO



R-410A





EWYQ130,150DAYN

Heating & Cooling

Capacity class				EWYQ080DAYN	EWYQ100DAYN	EWYQ130DAYN	EWYQ150DAYN	EWYQ180DAYN	EWYQ210DAYN	EWYQ230DAYN	EWYQ250DAYN	
Cooling capacity	Nom.	kW		76.6 ¹ / 78.1 ²	100 ¹ / 101 ²	135 ¹ / 138 ²	144 ¹ / 147 ²	182 ¹ / 185 ²	210 ¹ / 213 ²	229 ¹ / 233 ²	251 ¹ / 254 ²	
Heating capacity	Nom.	kW		88.2 ¹ / 86.5 ²	115 ¹ / 113 ²	150 ¹ / 148 ²	166 ¹ / 163 ²	200 ¹ / 197 ²	227 ¹ / 223 ²	260 ¹ / 256 ²	283 ¹ / 279 ²	
Capacity steps			%	0-50-100		0-25-50-75-100		21/29-43/50/57-71/79-100	0-25-50-75-100	22/28-44/50/56-72/78-100	0-25-50-75-100	
Power input	Cooling	Nom.	kW	26.8 ¹ / 27.5 ²	36.7 ¹ / 37.1 ²	48.4 ¹ / 49.0 ²	56.5 ¹ / 57.1 ²	64.8 ¹ / 65.7 ²	76.5 ¹ / 77.2 ²	83.6 ¹ / 83.8 ²	95.1 ¹ / 95.1 ²	
	Heating	Nom.	kW	30.5 ¹ / 31.0 ²	38.7 ¹ / 39.1 ²	50.5 ¹ / 51.1 ²	59.8 ¹ / 60.2 ²	69.2 ¹ / 69.9 ²	78.5 ¹ / 79.1 ²	85.9 ¹ / 86.0 ²	98.6 ¹ / 98.5 ²	
EER				2.86 ¹ / 2.84 ²	2.72 ¹ / 2.72 ²	2.79 ¹ / 2.82 ²	2.55 ¹ / 2.57 ²	2.81 ¹ / 2.82 ²	2.75 ¹ / 2.76 ²	2.74 ¹ / 2.78 ²	2.64 ¹ / 2.67 ²	
ESEER				3.84 ¹ / 3.76 ²	3.68 ¹ / 3.68 ²	4.03 ¹ / 3.99 ²	3.84 ¹ / 3.84 ²	4.06 ¹ / 4.02 ²	3.94 ¹ / 3.96 ²	3.93 ¹ / 4.04 ²	3.76 ¹ / 3.87 ²	
COP				2.89 ¹ / 2.79 ²	2.97 ¹ / 2.89 ²	2.97 ¹ / 2.90 ²	2.78 ¹ / 2.71 ²	2.89 ¹ / 2.82 ²	2.89 ¹ / 2.82 ²	3.03 ¹ / 2.98 ²	2.87 ¹ / 2.83 ²	
Dimensions	Unit	HeightxWidthxDepth	mm	2,311x2,000x2,566		2,311x2,000x2,631		2,311x2,000x3,081		2,311x2,000x4,850		
Weight	Unit			kg	1,400	1,450	1,550	1,600	1,850	1,900	3,200	3,300
	Operation weight			kg	1,415	1,465	1,567	1,619	1,875	1,927	3,239	3,342
Water heat exchanger	Type			Braze plate, one per unit								
	Nominal water flow	Cooling		l/min	221	287	390	416	525	605	662	722
		Heating		l/min	251	327	427	473	570	645	740	806
	Nominal water pressure drop	Cooling	Total	kPa	36		43	38	41	44	39	38
Heating		Total	kPa	47	46	51	49	48	50	48	46	
Air heat exchanger	Type			Cross fin coil/Hi-Xs tubes and poly ethylene coated waffle fins								
Fan	Air flow rate	Nom.	m ³ /min		780	800	860	1,290		1,600		
	Speed			rpm	880	900	970		900			
Sound power level	Cooling	Nom.	dBA		86	88	89	90		91		
Compressor	Type			Scroll compressor								
Operation range	Water side	Cooling	Min.~Max.	°CDB	-10~25							
		Heating	Min.~Max.	°CDB	25~50							
	Air side	Cooling	Min.~Max.	°CDB	-15~43							
		Heating	Min.~Max.	°CDB	-10~21							
Refrigerant	Type			R-410A								
	Control			Electronic expansion valve								
	Circuits	Quantity			1		2					
Refrigerant circuit	Charge			kg	33	37	23	26	32	43		
Refrigerant circuit 2	Charge			kg	-	-	23	26	32	43		
Piping connections	Water heat exchanger inlet / outlet			3" OD								
	Water heat exchanger drain			1/2"G								
Power supply	Phase/Frequency/Voltage			3~/50/400								

(1) For -N models (standard)

(2) For -P models (with optional pump / +OPSP) and for -B models (with optional pump and buffertank / +OPSP +OPBT)

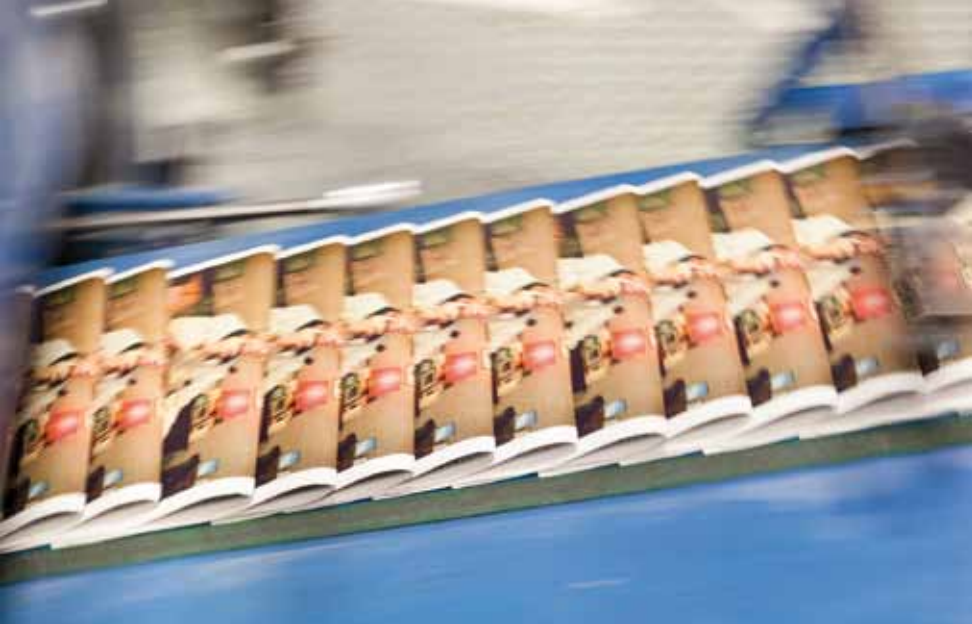
Water Cooled

Daikin offers you compact water cooled chiller units which require only very limited space in a machine room. Used for commercial or industrial applications, these chillers generate cold and hot water, which can be used for chilling, heating, or even both at the same time.

TABLE OF CONTENTS

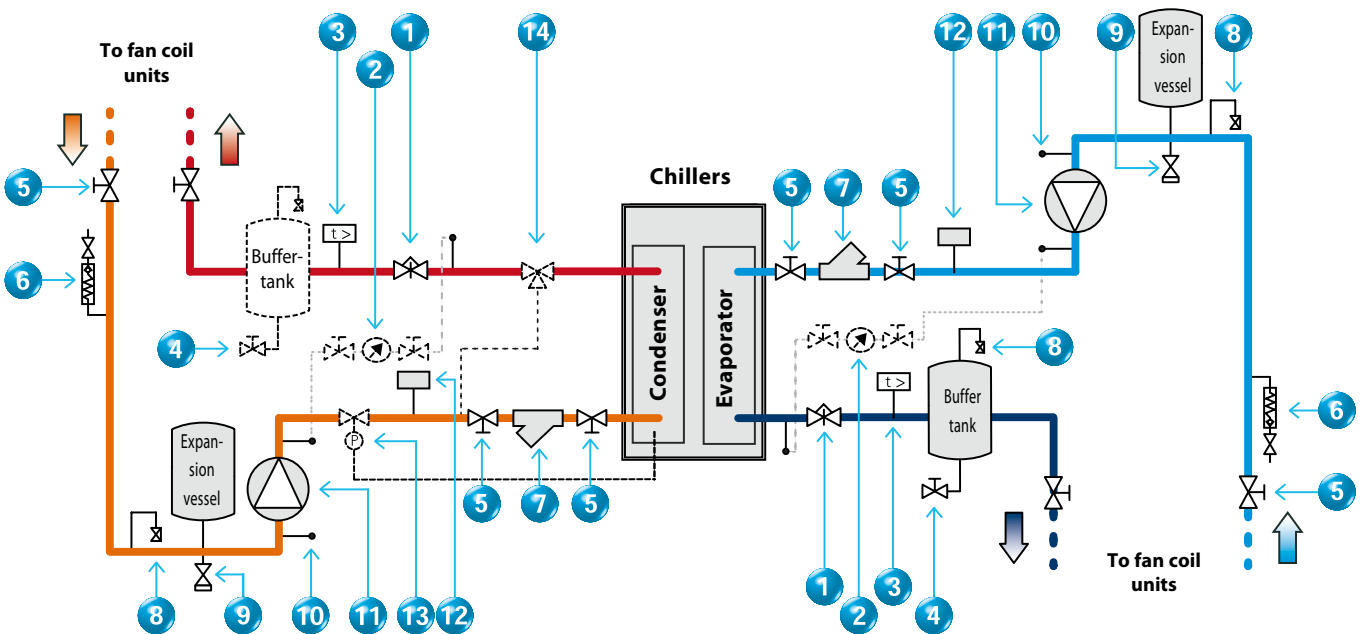
EWWP-KBW1N

38



1. Balancing valve
2. Pressure gauge
3. Temperature sensor
4. Drain valve
5. Shut-off valve
6. Fill valve
7. Filter
8. Drain
9. Safety valve
10. Pressure port
11. Pump
12. Flow switch
13. Pressure regulating valve
14. Bypass valve

PIPING DIAGRAM FOR COMFORT COOLING APPLICATION



STRENGTHS

- › Standard integrated: main switch, water filter, flow switch, air purge, pressure ports
- › Daikin scroll compressor
- › Optimised for use with R-407C
- › Electronic DDC controller
- › Low operating sound level
- › Low energy consumption
- › Extension possible up to 195 kW
- › Compact dimensions and low refrigerant volume
- › Easy installation and maintenance
- › Stainless steel plate heat exchanger
- › Remote cooling or heating selection
- › Water/water heat pump, with water reversibility
- › Compatible with hydraulic module
- › μC^2 SE CONTROLLER
- › pCO³ controller for assembly of 2 or 3 modules



μC^2 SE

scroll



R-407C

FOR SINGLE MODULE UNITS

- › Standard main isolator switch
- › Basic hydraulic components for KA-series included with the unit as a kit: flow switch, air purge, filter + shut-off valves for both condenser and evaporator

OPTIONS (FACTORY MOUNTED)

- › Chilled water temperature down to -5°C or -10°C

ACCESSORIES (KIT)

- › Hydraulic module (see page EHMC-page in this catalogue)
- › Address card for connection to BMS or Remote user interface (EKAC10C)
- › Remote installed user interface (EKSUMCA)
- › Low noise kit 14 Hp-units (EKLS1)
- › Low noise kit 22-65 Hp units (EKLS2)

CONTROL

- › Microprocessor control
- › Water inlet temperature control
- › Cold water or hot water regulation

AVAILABLE

INPUTS / OUTPUTS

Input

- › Remote ON / OFF
- › Pump contact
- › Cool/heat selection

Output

- › Compressor operation
- › Summary alarm
- › Pump relay contact





EWWP014-035KBW1N



EWWP090-130KBW1N



EWWP145-195KBW1N

SELECTION TABLE			1 MODULE (KB-SERIES)						2 MODULES (KB-SERIES)						3 MODULES (KB-SERIES)					
CAPACITY INDEX			014	022	028	035	045	055	065	090	100	110	120	130	145	155	165	175	185	195
COOLING CAPACITY (KW)			13.0	21.5	28.0	32.5	43.0	56.0	65.0	86.0	99.0	112	121	130	142	155	168	177	186	195
HEATING CAPACITY (KW)			16.6	27.3	35.4	41.2	54.8	71.4	82.7	110	126	143	154	165	181	198	214	226	237	248
UNIT + CONTROL (Factory mounted)	EWWP014KBW1N		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	EWWP022KBW1N		-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	EWWP028KBW1N		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	EWWP035KBW1N		-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	EWWP045KBW1N		-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	EWWP055KBW1N		-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
MODULAR UNITS (Controller available as accessory)	EWWP065KBW1N		-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	
	EWWP045KAW1M		-	-	-	-	-	-	-	2	1	-	-	-	2	1	-	-	-	-
	EWWP055KAW1M		-	-	-	-	-	-	-	-	1	2	1	-	1	2	3	2	1	-
CONTROL (kit)	EWWP065KAW1M		-	-	-	-	-	-	-	-	-	1	2	-	-	-	1	2	3	
	ECB2MUW		-	-	-	-	-	-	-	-	1	1	1	1	-	-	-	-	-	-
ECB3MUW		-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1

For example: for a 121 kW HP system, select : EWWP055KBW1N + EWWP065KBW1N

Heating only & Cooling only

Capacity class				014	022	028	035	045	055	065	090	100	110	120	130	145	155	165	175	185	195
Cooling capacity	Nom.	kW		13.0	21.5	28.0	32.5	43.0	56.0	65.0	86.0	99.0	112	121	130	142	155	168	177	186	195
Heating capacity	Nom.	kW		16.6	27.3	35.4	41.2	54.8	71.4	82.7	110	126	143	154	165	181	198	214	226	237	248
Capacity steps number				1			2			4			6								
Power input	Cooling	Nom.	kW	3.61	5.79	7.48	8.75	11.80	15.50	17.60	23.6	27.3	31.0	33.1	35.2	39.1	42.8	46.5	48.6	50.7	52.8
EER				3.60	3.71	3.74	3.71	3.64	3.61	3.69	3.64	3.63	3.61	3.66	3.69	3.63	3.62	3.61	3.64	3.67	3.69
Dimensions	Unit	HeightxWidthxDepth mm		600x600x600				600x600x1,200				1,200x600x1,200				1,800x600x1,200					
Weight	Unit	kg		118	155	165	172	300	320	334	600	620	640	654	668	920	940	960	974	988	1,002
Water heat exchanger - evaporator	Type			Braze plate																	
	Minimum water volume in the system		l	62	103	134	155	205	268	311	205	268	311	311	311	205	268	311	311	311	311
	Water flow rate	Min.	l/min	19	31	40	47	62	80	93	123	142	161	173	186	204	222	241	254	267	280
		Nom.	l/min	37	62	80	93	123	161	186	247	284	321	347	373	407	444	482	507	533	559
	Max.	l/min	75	123	161	186	247	321	373	493	568	642	694	745	814	889	963	1,015	1,066	1,118	
Water heat exchanger - condenser	Type			Braze plate																	
	Water flow rate	Min.	l/min	24	39	51	59	79	102	118	157	181	205	221	237	260	283	307	323	339	355
		Nom.	l/min	48	78	102	118	157	205	237	314	362	410	442	474	519	567	614	647	679	711
Max.		l/min	95	157	203	237	314	410	474	629	724	819	883	948	1,038	1,133	1,229	1,293	1,357	1,422	
Sound power level	Cooling	Nom.	dBA	64			71	67	74	71			75	77	73			76	78	79	
Compressor	Type			Hermetically sealed scroll compressor																	
Operation range	Evaporator	Cooling	Min.~Max. °CDB	-10 (OPZL) ~ 25																	
	Condenser	Cooling	Min.~Max. °CDB	20 ~ 55																	
Refrigerant	Type			R-407C																	
	Control			Thermostatic expansion valve																	
Refrigerant circuit	Charge	kg	Quantity	1			2			4			6								
				1.2	2	2.5	3.1	4.6	5.6	9.2	10.2	11.2	13.8	14.8	15.8	16.8					
Piping connections	Evaporator water inlet/outlet		FBSP 25mm			FBSP 40mm			2 x 2 x FBSP 38mm						3 x 2 x FBSP 38mm						
	Evaporator water drain		Field installation																		
	Condenser water inlet/outlet		FBSP 25mm			FBSP 40mm			2 x 2 x FBSP 38mm						3 x 2 x FBSP 38mm						
	Condenser water drain		Field installation																		
Power supply	Phase / Frequency / Voltage		Hz / V		3N~ / 50 / 400																

Condenserless Chiller

Daikin offers you flexible and compact chillers with remote condenser, which can be used to satisfy applications with special requirements in the field of available space, sound level or extreme operating conditions. In these exceptional cases, remote condenser solutions can be preferred over standard air cooled or water cooled solutions.

TABLE OF CONTENTS

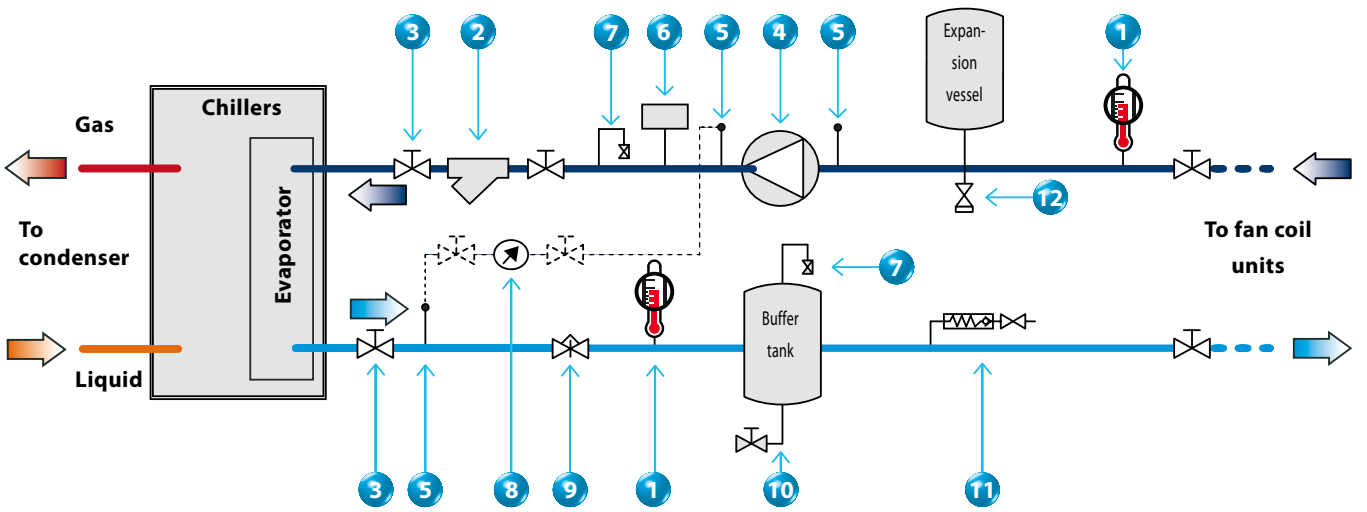
EWLP-KBW1N

42



1. Temperature sensor
2. Filter
3. Shut-off valve
4. Pump
5. Pressure port
6. Flow switch
7. Drain
8. Pressure gauge
9. Water flow adjusting valve
10. Drain valve
11. Fill valve
12. Safety valve

PIPING DIAGRAM FOR COMFORT COOLING APPLICATION



STRENGTHS

- › Daikin scroll compressor
- › Optimised for use with R-407C
- › Electronic DDC controller
- › Low operating sound level
- › Low energy consumption
- › Compact dimensions and low refrigerant volume
- › Easy installation and maintenance
- › Stainless steel plate heat exchanger
- › Compatible with hydraulic module
- › For EWLP012-065KBW1N following components are standard included: main switch, pressure ports, flow switch, filter, shut-off valves and air purge
- › μ C² SE controller

OPTIONS (FACTORY MOUNTED)

- › Chilled water temperature down to - 5°C or -10°C

ACCESSORIES (KIT)

- › Hydraulic module
(see page EHMC-page in this catalogue)
- › Address card for connection to BMS or Remote user interface (EKAC10C)
- › Remote installed user interface (EKSUMCA)
- › Low noise kit 14 Hp-units (EKLS1)
- › Low noise kit 22-65 Hp units (EKLS2)

CONTROL

- › Microprocessor control
- › Water inlet temperature control
- › Cold water or hot water regulation

AVAILABLE

INPUTS / OUTPUTS

Input

- › Remote ON / OFF
- › Pump contact
- › Cool/heat selection

Output

- › Compressor operation
- › Summary alarm
- › Pump relay contact



μ C² SE

scroll



R-407C



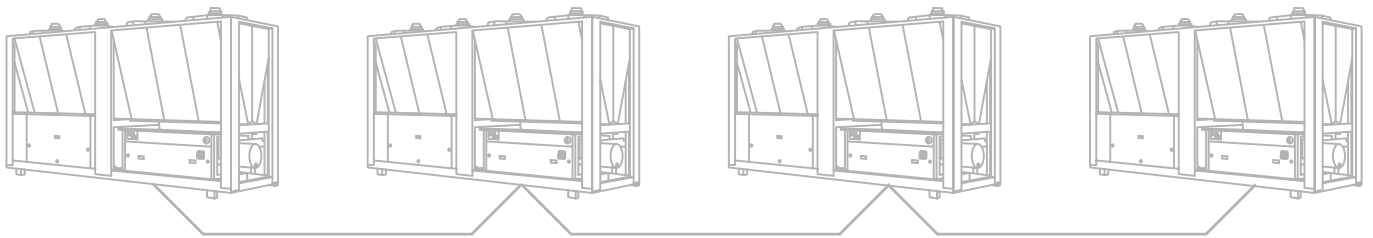
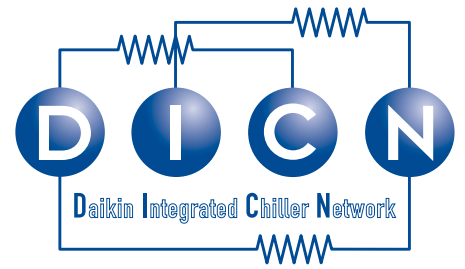


EWLP012-030KBW1N

Cooling only

Capacity class			012	020	026	030	040	055	065	
Capacity	Cooling	kW	12.1	20.0	26.8	31.2	40.0	53.7	62.4	
Power input	Cooling	kW	4.2	6.6	8.5	10.1	13.4	17.8	20.3	
Capacity Steps			1				2			
EER			2.88	3.03	3.15	3.09	2.99	3.02	3.07	
Dimensions	Height x Width x Depth	mm	600 x 600 x 600				600 x 600 x 1,200			
Weight	Machine weight	kg	108	141	147	151	252	265	274	
Water Heat Exchanger Evaporator	Type		Brased plate							
	Minimum water volume in the system		l	62	103	134	155	205	268	311
	Water flow rate	Min	l/min	17	29	38	45	57	77	89
		Nominal	l/min	35	57	77	89	115	154	179
	Max	l/min	69	115	153	179	229	307	358	
Compressor	Type		Hermetically sealed scroll compressor							
	Model	Quantity	1				2			
Sound Power	Cooling	dB(A)	64			71	67			74
Operation Range	Evaporator	Min~Max	-10(OPZL) ~ 20							
	Condensing temperature	Min~Max	25 ~ 60							
Refrigerant circuit	Refrigerant type		R-407C							
	No of circuits		1				2			
	Refrigerant control		Thermostatic expansion valve							
Power Supply			3N~/400V/50Hz							
Piping connections	Evaporator water inlet/outlet	mm	FBSP 25				FBSP 40			
	Evaporator water drain		Field installation							
	Liquid line connection	mm	9.52 flare	12.7 flare			2x12.7 flare			
	Discharge line connection	mm	12.7 flare	19.1 flare			2x19.1 flare			

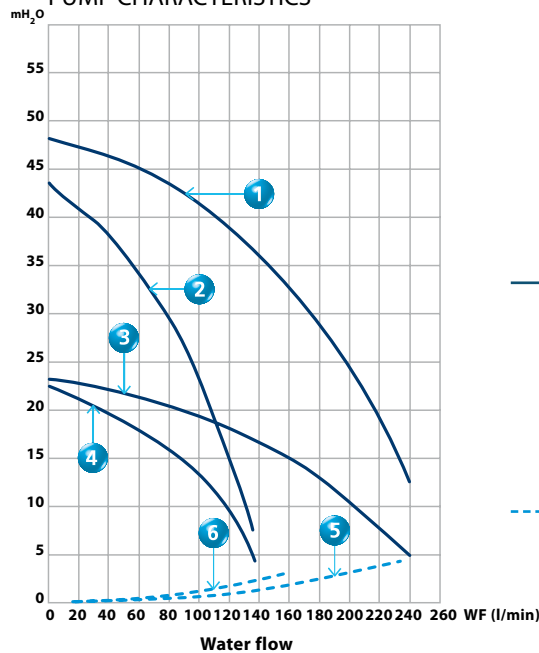
Daikin chillers can be equipped with Daikin Integrated Chiller Network (DICN) which allows the simultaneous operation of up to 4 chillers as if they were a single unit, in order to deliver the required cooling capacity. This results in precise and efficient capacity control and is also useful for back up purposes, ensuring that the necessary amount of cooling is available and guaranteeing reliable operation of the chiller plant. This function enables a Daikin chiller plant to be operated via a single controller. Please note that DICN is only possible within the same series.



APPLICABLE SERIES:

- > EWAQ080-260DAYN (R-410A)
- > EWYQ080-250DAYN (R-410A)

PUMP CHARACTERISTICS



LEGENDS

— Pump characteristics

1. EHMC30AV1080
2. EHMC10AV1080 & EHMC15AV1080
3. EHMC30AV1010
4. EHMC10AV1010 & EHMC15AV1010

- - - Hydraulic module + filter pressures losses

5. EHMC15/30AV1010 & EHMC15/30AV1080
6. EHMC10AV1010 & EHMC10AV1080



STRENGTHS

- > 100l buffer tank
- > Freeze-up protection (heater tape)
- > Single pump
- > 12l expansion vessel
- > Standard dual pressure ports

Hydraulic module

EHMC-AV		10		15		30	
		1010	1080	1010	1080	1010	1080
Nominal flow	l/min	62		88		187	
Nominal ESP	mH ₂ O	17	34	15	27	10	27
Nominal input	W	630	1,050	650	1,070	1,070	2,090
Dimensions (HxWxD)	mm	1,284x635x688					
Machine weight	kg	99	101	102	104	105	111
Sound power	dBA	63					
Sound pressure	dBA	52					
Power supply	V1	1~/230V/50Hz					
Operation range	Water side	-10°C ~ 55°C					
	Air side	-10°C ~ 43°C					
Piping connections	Water inlet/outlet	1" BSPF		2" BSPF		2-1/2" BSPF	
	Drain connection	1/2"					

Buffer tank

The Daikin EKBT is a hydraulic kit for in- or outdoor installation. It is designed to be installed with EUWA/Y-KBZW1 series, in closed systems, and can be used for water and glycol applications.

MODEL	Description	Volume	Dimensions	Unit weight
EKBT	Buffer tank with cabinet	200l	1,284x637x754	86,5
EKBT500N	Buffer tank	500l	710x1,670	70
EKBT100N	Buffer tank	1,000l	860x2,020	100
EKBT500C	Buffer tank with cabinet	500l	1,200x1,200x1,950	160
EKBT100C	Buffer tank with cabinet	1,000l	1,200x1,450x1,950	185

Fan Coil Units

Fan Coil Units are a highly efficient means of turning a water chiller, heat pump or hot water boiler into an efficient, quiet air conditioning system. These units are an effective solution to provide a comfortable environment for both commercial and residential applications.












Daikin offers a wide range of Fan Coil Units for both concealed and exposed applications. Three models are available in flexible application.

The only moving part in the units is the fan, making them ideal for use in offices, hotels and at home. The goal is to obtain the right solution, both technically and aesthetically.

TABLE OF CONTENTS

FAN COIL UNIT - ACCESSORIES	48	FWB-BT	57
FAN COIL UNIT - CONTROL	50	FWB-JT/JF	58
FWV-DT/DF	52	FWC -BT/BF	59
FWL-DT/DF	53	FWF-BT/BF	60
FWM-DT/DF	54	FWC-AT/AF	62
FWD-AT/AF	55	FWF-CT	63
FWT-BT	56		

FAN COIL UNITS PRODUCT PORTFOLIO

Reference				1	2	3	4	5	6	7	8	9	10	11	12	16	18	20	22kW				
FWC-BT/BF	2-pipe	cooling		06-07-08-09																			
		heating		06-07-08-09																			
	4-pipe	cooling		06-07-08-09																			
		heating		06-07-08-09																			
FWF-BT/BF	2-pipe	cooling		02-03-04-05																			
		heating		02-03-04-05																			
	4-pipe	cooling		02-03-04-05																			
		heating		02-03-04-05																			
FWC-AT/AF	2-pipe	cooling		07-08-10-11-12																			
		heating		07-08-10-11-12																			
	4-pipe	cooling		02-03-04-05-06																			
		heating		02-03-04-05-06																			
FWF-CT	2-pipe	cooling		02-03-04																			
		heating		02-03-04																			
FWB-BT	2-pipe	cooling		02-03-04-05-06-07-08-09-10																			
		heating		02-03-04-05-06-07-08-09-10																			
	4-pipe	cooling		02-03-04-05-06-07-08-09-10																			
		heating		02-03-04-05-06-07-08-09-10																			
FWB-JT/JF	2-pipe	cooling		02-03-04-05-06-07-08-09-10-11																			
		heating		02-03-04-05-06-07-08-09-10-11																			
	4-pipe	cooling		02-03-04-05-06-07-08-10																			
		heating		02-03-04-05-06-07-08-10																			
FWT-BT	2-pipe	cooling		02-03-04-05-06																			
		heating		02-03-04-05-06																			
FWL-DT/DF	2-pipe	cooling		01-02-03-04-06-08-10																			
		heating		01-02-03-04-06-08-10																			
	4-pipe	cooling		01-02-03-04-06-08-10																			
		heating		01-02-03-04-06-08-10																			
FWM-DT/DF	2-pipe	cooling		01-02-03-04-06-08-10																			
		heating		01-02-03-04-06-08-10																			
	4-pipe	cooling		01-02-03-04-06-08-10																			
		heating		01-02-03-04-06-08-10																			
FWD-AT/AF	2-pipe	cooling		04-06-08-10-12-16-18																			
		heating		04-06-08-10-12-16-18																			
	4-pipe	cooling		04-06-08-10-12-16-18																			
		heating		04-06-08-10-12-16-18																			
FWW-DT/DF	2-pipe	cooling		01-02-03-04-06-08-10																			
		heating		01-02-03-04-06-08-10																			
	4-pipe	cooling		01-02-03-04-06-08-10																			
		heating		01-02-03-04-06-08-10																			

FAN COIL UNIT - ACCESSORIES

Network & control systems	FWM-DT/DF / FWL-DT/DF / FWV-DT/DF					FWD-AT/AF				FWB-BT			FWT-BT	FWC-AT/AF	FWC-BT/BF	FWF-CT	FWF-BT/BF				
	1	2	3	4	6	8	10	4	6	8	10	12	16	18	2-4	5-7	8-10	All sizes	All sizes	All sizes	All sizes
Wired remote controller (Standard)	FWEC1A					FWEC1A				FWEC1A			MERCA	MERCA	BRC315D7	MERCA	BRC315D7				
Wired remote controller (Advanced)	FWEC2A					FWEC2A				FWEC2A			-	-	-	-	-				
Wired remote controller (Advanced Plus)	FWEC3A					FWEC3A				FWEC3A			-	-	-	-	-				
Controller electromechanical	ECFWMB6					-				-			-	-	-	-	-				
On board mounting kit	FWECKA					-				-			-	-	-	-	-				
Wall mounting kit	FWFCKA					FWFCKA				FWFCKA			-	-	-	-	-				
Wired remote controller (Cooling only)	-					-				-			SRC-COB	SRC-COB	-	SRC-COB	-				
Wired remote controller (Heat pump)	-					-				-			SRC-HPB	SRC-HPB	-	SRC-HPB	-				
Wireless controller (Cooling only)	-					-				-			WRC-COB	-	-	-	-				
Wireless controller (Heat pump)	-					-				-			WRC-HPB	-	-	-	-				
Temperature sensor kit	FWTSKA					FWTSKA				FWTSKA			-	-	-	-	-				
Relative humidity sensor kit	FWHSKA					FWHSKA				FWHSKA			-	-	-	-	-				
Fan stop thermostat	YFSTA6					YFSTA6				YFSTA6			-	-	-	-	-				
Master slave interface	EPIMSB6					EPIMSB6				EPIMSB6			-	-	-	-	-				
Power interface	-					-				-			-	-	EKFCMBCB7	-	EKFCMBCB7				
Optional PCB for MOD-bus connection	-					-				-			-	-	EKFCMBCB	-	EKFCMBCB				
Remote control - Infrared - H/P	-					-				-			-	-	BRC7E532F	-	BRC7E530				
Remote control - Infrared - C/O	-					-				-			-	-	BRC7E533F	-	BRC7E531				
Central remote control + electrical box with earth terminal (3 blocks)	-					-				-			-	-	DCS302CA51 + KJB311A	-	DCS302CA51 + KJB311A				
Unified on/off controller + electrical box with earth terminal (2 blocks)	-					-				-			-	-	DCS301BA51 + KJB212A	-	DCS301BA51 + KJB212A				
Schedule timer	-					-				-			-	-	DST301BA51	-	DST301BA51				
Intelligent touch controller + electrical installation box	-					-				-			-	-	DCS601CS1C + KJB411A	-	DCS601CS1C + KJB411A				
Remote sensor	-					-				-			-	-	KRCS01-1	-	KRCS01-1				
Remote "On/Off" and "forced off" kit	-					-				-			-	-	-	-	EKROROA				
Valve control PCB	-					-				-			-	-	EKRP1C11	-	EKRP1C11				
Optional PCB for MOD-bus connection	-					-				-			-	-	EKFCMBCB7	-	EKFCMBCB7				
Wiring adapter for electrical appendices	-					-				-			-	-	KRP2A52/KRP4A53	-	KRP2A52/KRP4A53				

Valves	FWM-DT/DF / FWL-DT/DF / FWV-DT/DF					FWD-AT/AF							
	1	2	3	4	6	8	10	4	6	8	10	12	16
3-way on/off valve kit (2-pipe)	E2MV03A6			E2MV06A6	E2MV10A6	ED2MV04A6		ED2MV10A6			ED2MV12A6		ED2MV18A6
3-way on/off valve kit (4-pipe)	E4MV03A6			E4MV06A6	E4MV10A6	ED4MV04A6		ED4MV10A6			2 x ED2MV12A6		2 x ED2MV18A6
2-way on/off valve kit (cooling heat exchanger)	E2MV207A6				E2MV210A6								

Valves	FWB-BT			FWB-JT/JF	FWC-AT/AF	FWC-BT/BF	FWF-CT	FWF-BT/BF
	2-4	5-7	8-10	All sizes	All sizes	All sizes	All sizes	All sizes
3-way on/off valve kit (2-pipe)	-	-	-	MCWCN	MCKAW2T3VN	EKMV3C09B7	MCKCW2T3VN	EKMV3C09B
3-way on/off valve kit (4-pipe)	-	-	-	MCWHN	MCKAWH4T3VN	2 x EKMV3C09B7	-	2 x EKMV3C09B7
2-way on/off valve kit (additional heat exchanger)	E2MV207A6		E2MV210A6	-	-	-	-	-
3-way on/off valve kit (additional heat exchanger)	E2MV307A6		E2MV310A6	-	-	-	-	-
2-way on/off valve kit (2-pipe)	-	-	-	-	-	EKMV2C09B7	-	EKMV2C09B7
2-way on/off valve kit (4-pipe)	-	-	-	-	-	2 x EKMV2C09B7	-	2 x EKMV2C09B7

Panels	FWC-AT/AF	FWF-CT	FWC-BT/BF	FWF-BT/BF
	All sizes	All sizes	All sizes	All sizes
Decoration panel 600x600 (2-pipe)	-	DCP600TB	-	-
Decoration panel 900x900 (2-pipe)	DCP900TB 243	-	-	-
Decoration panel 900x900 (4-pipe)	DCP900FB 243	-	-	-
Decoration panel 4-way blow (RAL 9010 Grey sealings)	-	-	-	BYFQ60B
Decoration panel - Standard (RAL 9010 - grey sealings) Round flow	-	-	BYCQ140CW1	-
Decoration panel - White (RAL 9010 - white sealings) Round flow	-	-	BYCQ140CW1W	-



Other accessories	FWM-DT/DF / FWL-DT/DF / FWV-DT/DF								FWD-AT/AF						FWB-BT		
	1	2	3	4	6	8	10	4	6	8	10	12	16	18	2-4	5-7	8-10
Electric heater (Standard)	EEH01A6	EEH02A6	EEH03A6	EEH06A6	EEH10A6	EDE-H04A6	EDEH-S06A6	EDEHS10A6	EDEH-S12A6	EDEHS18A6	Factory mounted						
Electric heater (Big)	-						EDE-H04A6	EDE-HB06A6	EDEHB10A6	EDE-HB12A6	EDEHB18A6	-					
Fresh air intake	EFA02A6	EFA03A6	EFA06A6	EFA10A6	EDM-FA04A6	EDM-FA06A6	EDMFA10A6	EDM-FA12A6	EDMFA18A6	-							
Additional heat exchanger	ESRH02A6	ESRH03A6	ESRH06A6	ESRH10A6	-						EA-H04A6	EA-H07A6	EA-H10A6	-			
Air intake & discharge grille	EAIDF02A6	EAID-F03A6 202	EAIDF06A6	EAIDF10A6	-						-						
Rear panel	ERPVO2A6	ERP-V03A6 40	ERPVO6A6 48	ERPVO10A6	-						-						
Supporting feet	ESFV06A6 21			ESFV10A6	-						-						
Supporting feet & grille	ESFVG02A6	ESFV-G03A6	ESFVG06A6	ESFVG10A6	-						-						
Vertical auxiliary drainpan	EDPVB6				EDDPV10A6				EDDPV18A6				-				
Horizontal auxiliary drainpan	EDPHB6				EDDPH10A6				EDDPH18A6				-				

Other accessories	FWC-BT/BF	FWF-BT/BF
Sealing member of air discharge outlet	KDBHQ55C140	KDBH44BA60
Panel spacer	-	KDBQ44B60
Long-life filter	KAFP551K160	KAFQ441BA60
Fresh air intake kit	KDDQ55C140-1/-2	KDDQ44XA60
Installation box for adapter PCB	KRP1H98	KRP1BA101

FAN COIL UNIT - CONTROL

The fan coil units can be operated by different controllers according to the model.



ECFWMB6

ELECTROMECHANICAL BUILT-IN CONTROLLER

- › Fan speed selector
- › Manual cooling/heating changeover.
- › ON/OFF valves can also be controlled with ECFWMB6



BRC315D7

WIRED REMOTE CONTROLLER

- › to control each fan coil unit independently
- › cooling and heating function
- › ON/OFF timer function



BRC7E532F

INFRARED REMOTE CONTROLLER

- › to control each fan coil unit independently
- › cooling and heating function



FWEC1A

ELECTRONIC CONTROLLER

- › Control of on-off valves for two or four pipes systems
- › Control of auxiliary heating element
- › Cooling/heating switching in the following modes: local or remote manual (centralised), automatic (depending on water temperature (optional) or air temperature)
- › Possibility, by means of clean contacts, of remote centralised cooling/heating switching and external activation
- › Temperature sensor kit (accessory FWTSKAA)
- › Economy function (setpoint correction by 2.5°C and forcing of the fan to run at minimum available speed)



FWEC2A

- › Composed by:
 - Ic display
 - keyboard
- › On board and wall mounted installation.
- › Same as FWEC1A with following additional functions:
 - 1) humidity management:
 - display of relative humidity
 - dehumidification function (cooling mode) Manual activation
 - 2) serial communication interface (RS485 bus)
 - possibility to set up a master-slave system up to 247 slave units, in which one of the controls plays the role of master and manages all the other slave units. (modbus protocol)



FWEC3A

- › Composed by:
 - Ic display
 - keyboard
- › On board and wall mounted installation.
- › Same as FWEC2A with following additional functions:
 - 1) Back light
 - 2) Proportional valve control (two voltage outputs for the proportional valves)
 - 3) Voltage contact 0-10V
 - 4) Time clock and weekly schedule (on / off or setpoint air)
 - 5) Integration in BMS (already included in the FWEC2A version)
 - 6) Two digital outputs (voltage free) to manage electric heaters with the weekly schedule



MERCA

STANDARD WIRED REMOTE CONTROLLER

- › Fan speed
- › Sleep function
- › Swing
- › Temperature setting
- › Operating mode
- › LCD display
- › ON/OFF switch
- › Real time clock
- › Timer active
- › Timer ON/OFF



SRC-COA

SIMPLIFIED WIRED REMOTE CONTROLLER FOR COOLING ONLY & HEAT PUMP

- › Temperature display
- › Temperature setting
- › Timer switch setting
- › ON/OFF switch
- › Fan speed
- › Operating mode
- › Swing
- › "Sleep" function



SRC-HPA



WRC - COB/HPB

WIRELESS CONTROLLER FOR COOLING ONLY & HEATPUMP

- › LCD display
- › Temperature setting
- › Operating mode
- › Timer switch setting
- › Turbo mode
- › Swing
- › "Sleep" function
- › Real time clock
- › ON/OFF switch
- › Fan speed



FWV01, 02DT/DF



FWEC1, 2, 3A



ECFWMB6

- › Low sound power levels and electrical absorption thanks to plastic impeller, ABS winding staircase and improved electric motor
- › Quick fixing system for wall mounted installation
- › Pre-assembled 3-way/4-port ON/OFF valves are available
- › Valve packages are insulated, no extra drain pan required
- › Valve packages contain balancing valves and sensor pocket
- › Fast-on connections for electrical options : no tools needed
- › Quick removal of washable filter
- › Electric heater : no relay up to 2kW capacity
- › Electronic controller with water probe, available in standard, advanced and advanced plus version



Indoor units				2-PIPE								4-PIPE							
				01	02	03	04	06	08	10	01	02	03	04	06	08	10		
Cooling capacity	Total capacity	High	kW	1.54	2.09	2.93	4.33	4.77	6.71	8.02	1.46	1.90	2.87	4.33	4.67	6.64	7.88		
	Sensible capacity	High	kW	1.20	1.51	2.11	3.15	3.65	4.91	5.96	1.14	1.51	2.07	3.15	3.57	4.85	5.85		
Heating capacity	2-Pipe	High	kW	2.14	2.57	3.81	5.63	6.36	7.83	10.03	-								
	4-Pipe	High	kW	-								1.90	2.10	3.08	5.30	7.91	9.30		
Power input	High		W	37	53	56	98		137	175	37	53	56	98		137	175		
Dimensions	Unit	HeightxWidthxDepth	mm	564x774x226		564x984x226	564x1,194x226		564x1,404x251		564x774x226		564x984x226	564x1,194x226		564x1,404x251			
Weight	Unit		kg	19	20	25	30	31	41		20	21	26	32	33	44			
Heat exchanger	Water volume		l	0.5	0.7	1	1.4		2.1		0.5	0.7	1	1.4		2.1			
Additional heat exchanger	Water volume		l	-								0.2		0.3	0.4		0.6		
Water flow	Cooling		l/h	265	359	504	745	820	1,154	1,343	251	327	494	745	803	1,142	1,355		
	Heating		l/h	265	359	504	745	820	1,154	1,343	196	182	286	396	465	694	816		
Water pressure drop	Cooling		kPa	13		11	12	14	12	19	13		11	12	14	12	19		
	Heating		kPa	9	11	9		10	9	16	7	8	5	10		8	9		
Fan	Type			Centrifugal multi-blade, double suction								Centrifugal multi-blade, double suction							
	Air flow rate	High	m ³ /h	319	344	442	706	785	1,011	1,393	307	327	431	690	763	998	1,362		
Sound power level	High		dB(A)	45	50	47	52	56	58	64	45	50	47	52	56	58	64		
Piping connections	Drain	OD	mm	16								16							
Water connections	Std. heat exchanger		inch	1/2				3/4				1/2				3/4			
Power supply	Phase / Frequency / Voltage		Hz / V	1 / 50 / 230								1 / 50 / 230							
Current input	High		A	0.17	0.24	0.25	0.44	0.43	0.60	0.76	0.17	0.24	0.25	0.44	0.43	0.60	0.76		



FWL03DT/DF



FWL03DT/DF



FWEC1, 2, 3A



ECFWMB6

- › Low sound power levels and electrical absorption thanks to plastic impeller, ABS winding staircase and improved electric motor
- › Quick fixing system for wall or ceiling mounted installation
- › Pre-assembled 3-way/4-port ON/OFF valves are available
- › Valve packages are insulated, no extra drain pan required
- › Valve packages contain balancing valves and sensor pocket
- › Fast-on connections for electrical options : no tools needed
- › Quick removal of washable filter
- › Electric heater : no relay up to 2kW capacity
- › Electronic controller with water probe, available in standard, advanced and advanced plus version



Indoor units				2-PIPE								4-PIPE							
				01	02	03	04	06	08	10	01	02	03	04	06	08	10		
Cooling capacity	Total capacity	High	kW	1.54	2.09	2.93	4.33	4.77	6.71	8.02	1.46	1.90	2.87	4.33	4.67	6.64	7.88		
	Sensible capacity	High	kW	1.20	1.51	2.11	3.15	3.65	4.91	5.96	1.14	1.51	2.07	3.15	3.57	4.85	5.85		
Heating capacity	2-Pipe	High	kW	2.14	2.57	3.81	5.63	6.36	7.83	10.03									
	4-Pipe	High	kW	-								1.90	2.10	3.08	5.05	5.30	7.91	9.30	
Power input	High		W	37	53	56	98		137	175	37	53	56	98		137	175		
Dimensions	Unit	HeightxWidthxDepth	mm	564x774x226		564x984x226	564x1,194x226		564x1,404x251		564x774x226		564x984x226	564x1,194x226		564x1,404x251			
Weight	Unit		kg	20	21	27	32	33	44		21	22	28	34	35	46			
Heat exchanger	Water volume		l	0.5	0.7	1	1.4		2.1		0.5	0.7	1	1.4		2.1			
Additional heat exchanger	Water volume		l	-								0.2		0.3	0.4		0.6		
Water flow	Cooling		l/h	265	359	504	745	820	1,154	1,343	251	327	494	745	803	1,142	1,355		
	Heating		l/h	265	359	504	745	820	1,154	1,343	196	182	286	396	465	694	816		
Water pressure drop	Cooling		kPa	13		11	12	14	12	19	13		11	12	14	12	19		
	Heating		kPa	9	11	9		10	9	16	7	8	5	10		8	9		
Fan	Type			Centrifugal multi-blade, double suction								Centrifugal multi-blade, double suction							
	Air flow rate	High	m ³ /h	319	344	442	706	785	1,011	1,393	307	327	431	690	763	998	1,362		
Sound power level	High		dB(A)	45	50	47	52	56	58	64	45	50	47	52	56	58	64		
Water connections	Std. heat exchanger		inch	1/2				3/4				1/2				3/4			
Power supply	Phase / Frequency / Voltage		Hz / V	1 / 50 / 230								1 / 50 / 230							
Current input	High		A	0.17	0.24	0.25	0.44	0.43	0.60	0.76	0.17	0.24	0.25	0.44	0.43	0.60	0.76		



FWM01, 02DT/DF



FWM01, 02DT/DF



FWEC1, 2, 3A

- › Low sound power levels and electrical absorption thanks to plastic impeller, ABS winding staircase and improved electric motor
- › Quick fixing system for wall or ceiling mounted installation
- › Pre-assembled 3-way/4-port ON/OFF valves are available
- › Valve packages are insulated, no extra drain pan required
- › Valve packages contain balancing valves and sensor pocket
- › Fast-on connections for electrical options : no tools needed
- › Quick removal of washable filter
- › Electric heater: no relay up to 2kW capacity
- › Electronic controller with water probe, available in standard, advanced and advanced plus version



Indoor units				2-PIPE								4-PIPE							
				01	02	03	04	06	08	10	01	02	03	04	06	08	10		
Cooling capacity	Total capacity	High	kW	1.54	2.09	2.93	4.33	4.77	6.71	8.02	1.46	1.90	2.87	4.33	4.67	6.64	7.88		
	Sensible capacity	High	kW	1.20	1.51	2.11	3.15	3.65	4.91	5.96	1.14	1.51	2.07	3.15	3.57	4.85	5.85		
Heating capacity	2-Pipe	High	kW	2.14	2.57	3.81	5.63	6.36	7.83	10.03	-								
	4-Pipe	High	kW	-								1.90	2.10	3.08	5.05	5.30	7.91	9.30	
Power input	High		W	37	53	56	98	137	175	37	53	56	98	137	175				
			mm	535x584x224	535x794x224	535x1,004x224	535x1,214x249	535x584x224	535x794x224	535x1,004x224	535x1,214x249								
Dimensions	Unit	HeightxWidthxDepth	mm																
Weight	Unit		kg	14	15	19	23	32	15	16	20	25	34						
			l	0.5	0.7	1	1.4	2.1	0.5	0.7	1	1.4	2.1						
Heat exchanger	Water volume		l																
Additional heat exchanger	Water volume		l																
Water flow	Cooling		l/h	265	359	504	745	820	1,154	1,343	251	327	494	745	803	1,142	1,355		
	Heating		l/h	265	359	504	745	820	1,154	1,343	196	182	286	396	465	694	816		
Water pressure drop	Cooling		kPa	13		11	12	14	12	19	13		11	12	14	12	19		
	Heating		kPa	9	11	9	10	9	16	7	8	5	10	8	9				
Fan	Type			Centrifugal multi-blade, double suction								Centrifugal multi-blade, double suction							
	Air flow rate	High	m ³ /h	319	344	442	706	785	1,011	1,393	307	327	431	690	763	998	1,362		
Sound power level	High		dB(A)	45	50	47	52	56	58	64	45	50	47	52	56	58	64		
Piping connections	Drain	OD	mm	17								17							
	Std. heat exchanger		inch	1/2				3/4				1/2				3/4			
Power supply	Phase / Frequency / Voltage		Hz / V	1 ~ / 50 / 230								1 ~ / 50 / 230							
Current input	High		A	0.17	0.24	0.25	0.44	0.43	0.60	0.76	0.17	0.24	0.25	0.44	0.43	0.60	0.76		



FWD04AT/AF



FWD04AT/AF



FWEC1,2,3A

- › Quick fixing system for wall or ceiling mounted installation
- › Straight duct connector is mounted to discharge side
- › Electronic controller with water probe, available in standard, advanced and advanced plus version
- › The air filter can easily be removed for cleaning



Indoor units				2-PIPE						4-PIPE							
				04	06	08	10	12	16	18	04	06	08	10	12	16	18
Cooling capacity	Total capacity	High	kW	3.90	6.20	7.80	8.82	11.90	16.40	18.30	3.90	6.20	7.80	8.82	11.90	16.40	18.30
	Sensible capacity	High	kW	3.08	4.65	6.52	7.16	9.36	12.80	14.10	3.08	4.65	6.52	7.16	9.36	12.80	14.10
Heating capacity	2-Pipe	High	kW	4.05	7.71	9.43	10.79	14.45	19.81	21.92	-						
	4-Pipe	High	kW	-						4.49	6.62	9.21		15.86		21.15	
Power input	High		W	234	349	443		714	1,197		234	349	443		714	1,197	
	Unit	HeightxWidthxDepth	mm	280x754x559	280x964x559	280x1,174x559		352x1,174x718	352x1,384x718		280x754x559	280x964x559	280x1,174x559		352x1,174x718	352x1,384x718	
Weight	Unit		kg	33	41	47	49	65	77	80	35	43	50	52	71	83	86
Heat exchanger	Water volume		l	1.06	1.42	1.79	2.38	2.5	4.02	5.03	1.06	1.42	1.79	2.38	2.50	4.02	5.03
Additional heat exchanger	Water volume		l	-						0.35	0.47	0.59		1.42	1.72		
Water flow	Cooling		l/h	674	1,064	1,339	1,514	2,056	2,833	3,140	674	1,064	1,339	1,514	2,056	2,833	3,140
	Heating		l/h	674	1,064	1,339	1,514	2,056	2,833	3,140	349	581	808		1,392	1,856	
Water pressure drop	Cooling		kPa	17	24		16	26	34	45	17	24		16	26	34	45
	Heating		kPa	14	20		13	21	28	37	9	15	13		12	16	
Fan	Type			Centrifugal multi-blade, double suction						Centrifugal multi-blade, double suction							
	Air flow rate	High	m ³ /h	800	1,250	1,600		2,200	3,000		800	1,250	1,600		2,200	3,000	
	Available pressure	High	Pa	66	58	68	64	97	145	134	63	53	63	59	92	138	128
Sound power level	High		dB(A)	66	69	72		74	78		66	69	72		74	78	
Piping connections	Drain	OD	mm	16						16							
Water connections	Std. heat exchanger		inch	3/4			1			3/4			1				
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 230						1~ / 50 / 230							
Current input	High		A	0.95	1.58	1.97		3.21	5.37		0.95	1.58	1.97		3.21	5.37	



FWT05,06BT



MERCA



SRC-COA/HPA



WRC-COB/HPB

- > Wide operating range
- > Easy installation and maintenance
- > 3-speed fan motor
- > Double-intake centrifugal fans
- > Excellent air flow and air distribution
- > Flexibility via interchangeable water connection side
- > High power air flow
- > Insulated with self-extinguishing class 1 heat insulation
- > Removable washable air filter (self-extinguishing class 1)
- > Slim and compact aesthetic design
- > Wireless remote control up to 9m distance, availability of a wired or simplified controller
- > LED indicator gives an indication on the (normal or wrong) operation of the unit



Indoor units				2-PIPE				
				02	03	04	05	06
Cooling capacity	Total capacity	High	kW	2.34	2.78	3.22	4.54	5.28
	Sensible capacity	High	kW	1.74	2.03	2.35	3.65	4.33
Heating capacity	2-Pipe	High	kW	3.02	3.75	4.10	6.01	6.74
Power input	High		W	24	25	29	66	69
Dimensions	Unit	HeightxWidthxDepth	mm	260x799x198	260x899x198		304x1,062x222	
Weight	Unit		kg	10	12		16	
	Operation weight		kg	10	13		17	
Heat exchanger	Water volume		l	0.49	0.57		0.85	
Water flow	Cooling		l/h	402	478	554	781	908
	Heating		l/h	402	478	554	781	908
Water pressure drop	Cooling		kPa	48.3	64.7	69.3	50.3	69.3
	Heating		kPa	42	58.6	60.6	50.6	70.6
Fan	Type			Centrifugal-direct driven fan motor				
	Air flow rate	High	m ³ /h	467	510	586	1,070	1,121
Sound power level	High		dB(A)	53		55	61	64
Sound pressure level	High		dB(A)	40	39	42	49	50
Piping connections	Drain	OD	mm	16			20	
Water connections	Std. heat exchanger		inch	1/2				
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 220-240				
Current input	High		A	0.11		0.13	0.29	0.30



FWB04BT



FWEC1, 2, 3A

- › Low sound power levels and electrical absorption thanks to plastic impeller, ABS winding staircase and improved electric motor
- › Compact dimensions, can easily be mounted in a narrow ceiling void
- › 3, 4 or 6 stage row cooling coil
- › Drain pan to collect the condensate from: heat exchanger and regulating valves
- › 7-speed electrical motors (with thermal protection on windings)
- › All 7 speeds pre-wired in the factory in the terminal block of the switch box
- › The air filter can easily be removed for cleaning



Indoor units				2-PIPE								
				02	03	04	05	06	07	08	09	10
Cooling capacity	Total capacity	High	kW	2.61	3.14	3.49	5.08	5.45	6.47	7.57	8.67	10.34
	Sensible capacity	High	kW	1.88	2.16	2.34	3.6	3.87	4.4	5.23	5.96	6.9
Heating capacity	2-Pipe	High	kW	5.47	6.01	6.47	10.31	11.39	12.28	15.05	16.85	18.78
	4-Pipe	High	kW		3.14			5.99			12.8	
Power input	High		W	79				154			294	
Dimensions	Unit	HeightxWidthxDepth	mm	239x1,039x609			239x1,389x609			239x1,739x609		
Weight	Unit		kg	23	24	26	31	33	35	43	45	48
	Operation weight		kg	24	26	28	33	35	38	45	48	52
Heat exchanger	Water volume		l	1.1	1.5	2.2	1.6	2.1	3.2	2.1	2.8	4.2
Additional heat exchanger	Water volume		l	0.4			0.6			1.7		
Water flow	Cooling		l/h	448	539	598	873	936	1,111	1,299	1,488	1,774
	Heating		l/h	480	527	567	904	999	1,077	1,319	1,479	1,647
	Additional heat exchanger		l/h	275			526			1,123		
Water pressure drop	Cooling		kPa	8	14	11	15	8	14	21		26
	Heating		kPa	7	10	8	12	7	10	16	15	18
	Additional heat exchanger		kPa	3			5			8		
Fan	Type			Centrifugal - forward blades - directly coupled on fan motor								
	Air flow rate	High	m ³ /h	400			800			1,200		
	Available pressure	High	Pa	71			65			59		
Sound power level	High		dBA	56			59			69		
Sound pressure level	High		dBA	44.5			47.5			57.5		
Piping connections	Drain	OD	mm	16								
Water connections	Std. heat exchanger		inch	3/4								
	Add. heat exchanger		inch	3/4						1		
Power supply	Phase / Frequency / Voltage		Hz / V	1 ~ / 50 / 230								
Current input	High		A	0.36			0.73			1.28		



FWB02JT/JF



FWEC1, 2, 3A

- > Wide operating range
- > Quiet operation via enlarged fan wheels
- > Easy maintenance: filter can be removed from both sides and beneath (maximum filter size is 400mm)
- > Flexibility (2-pipe or 4-pipe)
- > 4-speed fan motor
- > Direct driven centrifugal fans
- > Flexibility via interchangeable water connection side
- > High power air flow
- > Available static pressure of 30 Pa
- > Extended drain pan as standard
- > Standard Filter
- > Insulated with self-extinguishing class 1 heat insulation
- > Electronic room thermostat



Indoor units				2-PIPE										4-PIPE							
				02	03	04	05	06	07	08	09	10	11	02	03	04	06	07	08	10	
Cooling capacity	Total capacity	High	kW	1.64	2.67	2.99	3.34	4.81	5.31	6.16	7.26	8.49	8.99	1.67	2.67	3.03	4.88	5.33	6.53	8.21	
	Sensible capacity	High	kW	0.94	1.88	1.95	2.07	3.40	4.15	4.39	5.06	6.37	6.41	0.97	1.83	1.93	3.41	4.01	4.91	6.28	
Heating capacity	2-Pipe	High	kW	2.16	3.62	3.97	4.11	6.30	7.47	8.09	9.64	11.57	11.71	2.12	3.69	3.87	6.40	7.52	9.01	11.09	
	4-Pipe	High	kW	-										2.49	3.92	4.43	6.70	8.16	9.56	11.68	
Power input	High		W	34	53	57	54	86	121	117	134	164	166	34	51	54	84	117	137	163	
Dimensions	Unit	HeightxWidthxDepth	mm	251x814	251x984	251x1,114x590		251x1,314	251x1,564x590			251x1,664	251x1,924x590		251x814	251x984	251x1,114	251x1,314	251x1,564	251x1,664	251x1,924
				x590	x590			x590				x590			x590	x590	x590	x590	x590	x590	x590
Weight	Unit		kg	20.0	23.0	28.0	31.0	33.0	44.0	48.0	52.0	50.0	56.0	22.0	27.0	31.0	36.0	48.0	52.0	56.0	
	Operation weight		kg	20.7	24.0	29.1	32.5	34.4	45.8	50.4	54.6	52.4	59.1	22.9	28.3	32.5	37.9	50.4	54.6	59.1	
Heat exchanger	Water volume		l	0.69	0.95	1.14	1.52	1.44	1.82	2.42	2.62	2.36	3.14	0.92	1.26	1.52	1.92	2.42	2.62	3.14	
Water flow	Cooling		l/h	386	549	739	803	1,022	1,109	1,383	1,523	1,764	1,910	386	530	724	986	1,138	1,296	1,660	
	Heating		l/h	386	549	738	802	1,020	1,107	1,336	1,524	1,764	1,911	387	530	725	985	1,139	1,299	1,660	
	Additional heat exchanger		l/h	-										269	391	493	663	820	924	1,142	
Water pressure drop	Cooling		kPa	10.91	8.34	15.64	11.22	31.31	12.56	7.62	9.83	21.71	16.81	10.95	8.24	15.67	29.95	9.24	12.49	19.38	
	Heating		kPa	8.86	6.76	12.84	9.21	25.87	11.13	6.57	8.60	18.56	14.46	8.94	6.64	12.84	24.16	7.89	9.67	16.50	
	Additional heat exchanger		kPa	-										10.66	24.73	41.72	81.63	25.31	31.33	50.03	
Fan	Type			Direct driven centrifugal fan (forward-curved blades)/hot-galvanised steel																	
	Air flow rate	High	m ³ /h	262	428	431	428	757	945	950	1,066	1,463	1,341	220	424	437	747	898	1,112	1,385	
	Available pressure	High	Pa	30																	
Sound power level	High		dBA	47.5	52	49	50	52			55	55.5	56	47	52	50	52		55	56	
	High		dBA	35.5	40	37	38	40		39.5	43	43.5	44	35	40	38	40	39.5	43	44	
Water connections	Std. heat exchanger		inch	3/4										3/4							
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 220-240										1~ / 50 / 220-240							
Current input	High		A	0.15	0.24	0.26	0.25	0.39	0.55	0.53	0.61	0.75		0.15	0.23	0.25	0.38	0.53	0.62	0.74	



FWC-BT/BF



BRC315D7



BRC7E532F



- > 360° air discharge ensures uniform air flow and temperature distribution
- > Modern style decoration panel in white (RAL9010)
- > Fresh air intake for healthy living
- > Comfortable horizontal air discharge ensures draughtfree operation and prevents ceiling soiling
- > Possibility to shut 1 or 2 flaps for easy installation in corners
- > Standard drain pump with 850mm lift



Indoor units				2-PIPE				4-PIPE			
				FWC06BT	FWC07BT	FWC08BT	FWC09BT	FWC06BF	FWC07BF	FWC08BF	FWC09BF
Cooling capacity	Total capacity	High	kW	5.0	5.6	6.3	7.2	4.9	5.6	6.3	7.2
	Sensible capacity	High	kW	3.4	4.0	4.5	5.3	3.4	3.9	4.4	5.2
Heating capacity	2-Pipe	High	kW	6.3	7.1	8.3	9.5				
	4-Pipe	High	kW					6.2	6.8	7.8	8.8
Power input	High		W	40	46	58	76	41	47	59	77
Dimensions	Unit	HxWxD	mm	288x840x840				288x840x840			
Weight	Unit		kg	26				29			
Water pressure drop	Cooling		kPa	15	19	26	34	15	19	25	32
	Heating		kPa	15	19	26	34	24	30	38	47
Fan	Type			Turbo fan				Turbo fan			
	Air flow rate	High	m ³ /h	1,062	1,236	1,518	1,776	1,032	1,200	1,476	1,746
Sound power level	High		dB(A)	36	39	44	49	36	39	44	49
Sound pressure level	High		dB(A)	24	28	32	37	24	28	32	37
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-240				1~/50/220-240			



FWF-BT/BF



BRC315D7



BRC7E532F

- > Modern stylish decoration panel in white (RAL9010)
- > Fresh air intake kit available
- > Comfortable horizontal air discharge ensures draughtfree operation and prevents ceiling soiling
- > Possibility to close 1 or 2 flaps for different air flow patterns
- > Drainpump standard mounted (lift: 750mm)



Indoor units				2-PIPE				4-PIPE			
				FWF02BT	FWF03BT	FWF04BT	FWF05BT	FWF02BF	FWF03BF	FWF04BF	FWF05BF
Cooling capacity	Total capacity	High	kW	1.7	2.8	3.3	4.0	1.7	2.3	2.8	3.5
Sensible capacity				1.3	1.7	2.1	2.7	1.3	1.3	1.7	2.3
Heating capacity	2-Pipe	High	kW	2.6	3.4	4.1	5.3	-			
	4-Pipe	High	kW	-							
Power input	High		kW	67		70	89	67	62	74	93
Dimensions	Unit	HxWxD	mm	285x575x575				285x575x575			
Weight	Unit		kg	19	19	19	19	19	20	20	20
Water pressure drop	Cooling		kPa	6	19	31	42	6	13	21	33
	Heating		kPa	6	19	31	42	12	6	9	13
Fan	Type			Turbo fan				Turbo fan			
	Air flow rate	High	m ³ /h	468	468	660	876	468	438	618	822
Sound power level	High		dB(A)	40	40	44	49	40	42	46	51
Sound pressure level	High		dB(A)	27	27	33	39	27	29	35	41
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 220-240				1~ / 50 / 220-240			





FWC-AT/AF



SRC-COA/HPA



WRC-COB/HPB

- › Wide operating range
- › Easy installation and maintenance
- › Flexibility (2-pipe or 4-pipe)
- › 3-speed fan motor
- › Double-intake centrifugal fans
- › Air suction from underneath
- › High power air flow
- › Removable washable air filter (self-extinguishing class 1)
- › Built-in high pressure drain pump with 700mm lift
- › Infrared remote control as standard with decoration panel kit



Indoor units				2-PIPE					4-PIPE				
				FWC07AT	FWC08AT	FWC10AT	FWC11AT	FWC12AT	FWC02AF	FWC03AF	FWC04AF	FWC05AF	FWC06AF
Cooling capacity	Total capacity	High	kW	6.63	7.50	8.80	9.95	10.80	3.81	3.96	4.63	5.01	5.16
	Sensible capacity	High	kW	4.90	5.40	6.40	7.10	7.70	3.40	3.52	4.07	4.40	4.54
Heating capacity	2-Pipe	High	kW	8.40	9.50	11.00	12.00	12.90					
	4-Pipe	High	kW	-					10.55	10.99	12.51	13.48	13.77
Current input	High		A	0.52	0.64	0.68	0.79	1.06	0.53	0.61	0.67	0.80	1.02
Power input	High		W	127	151	164	192	253	122	138	153	184	232
Dimensions	Unit	HeightxWidthxDepth	mm	335x820x821					335x820x821				
Weight	Unit		kg	31.0	32.0	35.0	38.0	40.0	31.0	32.0	35.0	38.0	40.0
	Operation weight		kg	34.0	35.0	38.0	41.0	43.0	34.0	35.0	38.0	41.0	43.0
Heat exchanger	Water volume		l	2.69					2.69				
Water flow	Cooling		l/h	1,140	1,290	1,514	1,711	1,858	655	681	796	862	888
	Heating		l/h	1,140	1,290	1,514	1,711	1,858	907	945	1,076	1,159	1,184
Water pressure drop	Cooling		kPa	24.8	30.8	41.6	52.2	69.3	3.56	3.78	4.94	5.70	5.96
	Heating		kPa	21.4	26.8	35.3	45.2	64.1	4.8	5.5	7.2	8.6	8.9
Fan	Type			Direct drive turbo fan					Direct drive turbo fan				
	Air flow rate	High	m ³ /h	1,310	1,380	1,560	1,740	1,840	1,310	1,380	1,560	1,740	1,840
Sound power level	High		dB(A)	52	55	60	61	64	52	55	60	61	64
Sound pressure level	High		dB(A)	42	45	49	51	53	42	45	49	51	53
Piping connections	Drain	OD	mm	19.05					19.05				
Water connections	Std. heat exchanger		inch	3/4					3/4				
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-240					1~/50/220-240				



FWF-CT



MERCA



SRC-COA/HPA



WRC-COB/HPB

- > 4 way air discharge and air swing
- > Compact casing (570mm in width and depth) enables unit to fit flush into ceilings and match standard architectural modules, without cutting ceiling tiles
- > Wide operating range
- > Air suction from underneath
- > Easy installation and maintenance
- > Built-in high pressure drain pump with 700mm lift
- > Double-intake centrifugal fans
- > High power air flow
- > 3-speed fan motor
- > Infrared remote control as standard with decoration panel kit



Indoor units				2-PIPE		
				FWF02CT	FWF03CT	FWF04CT
Cooling capacity	Total capacity	High	kW	2.49	4.10	4.54
	Sensible capacity	High	kW	1.91	2.93	3.37
Heating capacity	2-Pipe	High	kW	3.52	4.69	5.28
	4-Pipe	High	kW		-	
Power input	High		W	63	64	79
Current input	High		A	0.27	0.28	0.34
Dimensions	Unit	HeightxWidthxDepth	mm	250x570x570		
Weight	Unit		kg	22		23
	Operation weight		kg	22		23
Water pressure drop	Cooling		kPa	19.00	27.00	29.00
	Heating		kPa	17.00	24.00	27.00
Fan	Type			Direct drive turbo fan		
	Air flow rate	High	m ³ /h	646	680	748
Sound power level	High		dB(A)	52	54	56
Sound pressure level	High		dB(A)	42	45	48
Piping connections	Drain	OD	mm	19.05		
Water connections	Std. heat exchanger		inch	3/4		
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-440		

MEASURING CONDITIONS

CHILLERS

Air cooled	Cooling	Water 7°C / 12°C	Ambient temperature : 35°C
	Heating	Water 45°C / 50°C	Ambient temperature : 7°C
Condensing unit	Suction dewpoint : 5°C		Ambient temperature : 35°C
Condenserless chiller	Cooling	Water 7°C / 12°C	Condensing temp : 45°C
			Liquid temp. : 40°C
Water cooled	Cooling	Evaporator water : 7°C / 12°C	Water condenser : 30°C / 35°C
	Heating	Evaporator water : 7°C / 12°C	Water condenser : 40°C / 45°C

FAN COILS

Measuring conditions (at nominal air flow and ESP): COOLING: air temperature entering the unit: 27°C/19°C, water temperature entering the unit 7°C, water temperature leaving the unit 12°C - HEATING: room air temperature 20°C, for 2-pipe units: water temperature entering 50°C - water flow rate same as for the cooling test, for 4-pipe units: water temperature entering 70°C - water temperature leaving 60°C





Daikin's unique position as a manufacturer of air conditioning equipment, compressors and refrigerants has led to its close involvement in environmental issues. For several years Daikin has had the intention to become a leader in the provision of products that have limited impact on the environment. This challenge demands the eco design and development of a wide range of products and an energy management system, resulting in energy conservation and a reduction of waste.

The present leaflet is drawn up by way of information only and does not constitute an offer binding upon Daikin Europe N.V. Daikin Europe N.V. has compiled the content of this leaflet to the best of its knowledge. No express or implied warranty is given for the completeness, accuracy, reliability or fitness for particular purpose of its content and the products and services presented therein. Specifications are subject to change without prior notice. Daikin Europe N.V. explicitly rejects any liability for any direct or indirect damage, in the broadest sense, arising from or related to the use and/or interpretation of this leaflet. All content is copyrighted by Daikin Europe N.V.



Daikin Europe N.V. participates in the Eurovent Certification programme for Air conditioners (AC), Liquid Chilling Packages (LCP), Air handling units (AHU) and Fan coil units (FCU). Check ongoing validity of certificate online: www.eurovent-certification.com or using: www.certiflash.com



FSC

ECPEN12-401

Daikin products are distributed by: