



Pricelist 2019-2020 Applied Systems



Prices and technical information for Applied Systems

Table of contents

Type	Refrigerant	Compressor	Material	Capacity	Page
Key information - Ecodesign directive and Energy Labelling					4
NEW Witness Testing					5
Air cooled chillers					
Air cooled mini inverter chiller	R-410A	Swing	EWAQ-A & EWAQ-B	4-13 kW	11
Air cooled mini inverter heat pump	R-410A	Swing	EWYQ-A & EWYQ-B	4-13 kW	12
Air cooled scroll inverter chiller	R-410A	Scroll	EWAQ-CW	17-64 kW	13
Air cooled scroll inverter heat pump	R-410A	Scroll	EWYQ-CW	17-64 kW	14
Air cooled scroll inverter heat pump - split version	R-410A	Scroll	SEHVX-BW & SERHQ-BW1	20-64 kW	15
Hydronic connection examples					16
Product description - Air cooled chiller EWAQ-G/EWYQ-G					18
Air cooled chiller - standard efficiency - standard noise	R-410A	Scroll	EWAQ-G-SS	75-155 kW	19
Air cooled chiller - standard efficiency - reduced noise	R-410A	Scroll	EWAQ-G-SR	75-155 kW	20
Air cooled chiller - high efficiency - standard noise	R-410A	Scroll	EWAQ-G-XS	80-150 kW	21
Air cooled chiller - high efficiency - reduced noise	R-410A	Scroll	EWAQ-G-XR	80-150 kW	22
Air cooled heat pump - high efficiency - standard noise	R-410A	Scroll	EWYQ-G-XS	75-160 kW	23
Air cooled heat pump - high efficiency - reduced noise	R-410A	Scroll	EWYQ-G-XR	75-165 kW	24
NEW EWAT-B- Multi scroll Air cooled chiller range with R-32 refrigerant					25
NEW Air cooled Chiller - standard efficiency - standard noise	R-32	Scroll	EWAT-B-SS	85-205 kW	26
NEW Air cooled Chiller - standard efficiency - low noise	R-32	Scroll	EWAT-B-SL	85-205 kW	28
NEW Air cooled Chiller - standard efficiency - reduced noise	R-32	Scroll	EWAT-B-SR	85-205 kW	30
NEW Air cooled Chiller - high efficiency - standard noise	R-32	Scroll	EWAT-B-XS	85-200 kW	32
NEW Air cooled Chiller - high efficiency - low noise	R-32	Scroll	EWAT-B-XL	85-200 kW	34
NEW Air cooled Chiller - high efficiency - reduced noise	R-32	Scroll	EWAT-B-XR	85-200 kW	36
Water cooled chillers					
Water cooled chiller	R-410A	Scroll	EWWQ-KBW1N	14-64 kW	38
Water cooled chiller	R-410A	Scroll	EWWQ-KBW1M	98-192 kW	39
Product description - water cooled chiller EWW(H)Q-G(L)-SS					40
Water cooled chiller - standard efficiency - standard noise - one refrigerant circuit	R-410A	Scroll	EWWQ-G-SS	90-360 kW	41
Water cooled heat pump - standard efficiency	R-410A	Scroll	EWHQ-G-SS	100-400 kW	42
Water cooled chiller - standard efficiency - standard noise - two refrigerant circuits	R-410A	Scroll	EWWQ-L-SS	180-330 kW	43
Condenserless chillers					
Condenserless chiller	R-410A	Scroll	EWLQ-KBW1N	14-64 kW	44
Condenserless chiller - standard efficiency - standard noise - one refrigerant circuit	R-410A	Scroll	EWLQ-G-SS	90-360 kW	45
Condenserless chiller - standard efficiency - standard noise - two refrigerant circuits	R-410A	Scroll	EWLQ-L-SS	180-330 kw	46
NEW intelligent Chiller Manager - iCM					47
Fan coil					
Low ESP duct			FWE-C	2 - 10 kW	49
Medium ESP duct			FWB-B	2- 10 kW	50

Type	Refrigerant	Compressor	Material	Capacity	Page
Medium ESP duct / BLDC			FWP-A	2 – 7 kW	52
Medium ESP duct / BLDC			FWN-A	4 - 10 kW	53
High ESP flexi duct			FWD-A	4 - 18 kW	55
Cassette 600x600			FWF-C	2 - 4 kW	57
Wall mounted			FWT-C	2 - 6 kW	57
Cassette 900x900			FWG-A	5-11 kW	58
Cassette 600x600			FWF-B	2 - 5 kW	59
Cassette 900x900			FWC-B	6- 9 kW	59
Floor standing			FWV-D	1 - 10 kW	62
Flexi type			FWL-D	1 - 10 kW	63
Flexi concealed			FWM-D	1 - 10 kW	64
Floor standing / BLDC			FWZ-A	2 - 8 kW	69
Flexi type / BLDC			FWR-A	2 - 8 kW	70
Flexi concealed / BLDC			FWS-A	2 - 8 kW	71
Condensing unit heat pump Inverter	R-410A	Scroll	ERQ	11-28 kW	75
Pre-sized fresh air solution			ADT-FDI		76
Air Handling Units - AHU					77
NEW Modular Light / Smart			ALB-R/LB(S)	100 - 3400 m ³ /h	79
Daikin Rooftops					82
Rooftop	R-410A	Scroll	UATYQ-ABAY1	20-115 kW	87
Rooftop	R-410A	Scroll	UATYQ-AFC2Y1	20-115 kW	88
Rooftop	R-410A	Scroll	UATYQ-AFC3Y1	20-115 kW	89
Overview: Air cooled chiller portfolio					90
Overview: Water cooled and condenserless unit portfolio					92
Total solution products					
Air Cooler, Air Handling Unit, Dry Cooler & Condenser					
Cooling Tower, Compressor Service					94
Measuring conditions					95
Daikin Service					96
Commissioning					97
Maintenance					98
E-Parts, Service Academy					99
Remote Monitoring					100
Commercial terms and conditions					102

NOTE:

All prices are list prices, excl. VAT and valid from 1 April 2019 till 31. March 2020. All prior pricelists are not valid anymore. The Daikin Commercial Terms and Conditions apply (see last page or www.daikin.si/t&c). We reserve the right for printing errors and model changes. The LOT1&2 regulation requires the manufacturers to publish additional energy efficiency data for some products shown in this literature. From September 2015, these required efficiency data can be publicly viewed and downloaded from the following free access website: <https://www.daikin-ce.com/seasonal-efficiency>

Key Information

Ecodesign Directive and Energy Labels

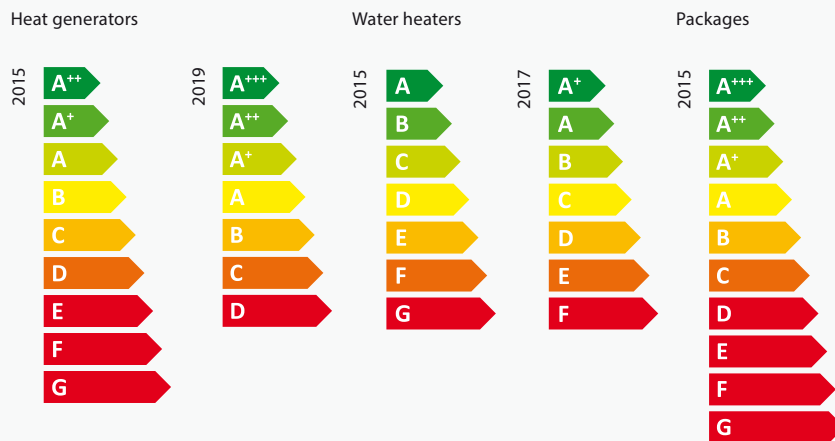
The Ecodesign Directive defines the minimum standards for the environmental characteristics of heaters, water heaters and combi appliances. From 26 September 2015, heat generators of up to 70 kW output and tanks of up to 500 litres must be marked with a label showing their energy efficiency. This applies to all individual products (product label) and heating systems (package label) brought onto the market from this date. In addition, a product datasheet containing detailed information must be made available for each item.

Identical across Europe

The Ecodesign Directive for heat generators and water heaters, and the obligation to identify products and system solutions with energy labels, will apply to all member states of the European Union. The aim is to promote the manufacture and development of more environmentally responsible and energy efficient heating systems and to simplify comparisons for consumers.

From green to red

The principle is well-known from refrigerators, washing machines and TV sets: Devices and appliances are split into efficiency classes on a scale from A+++ to G. Dark green represents the highest level of efficiency, dark red the lowest. The scales differ between the individual product groups.



Applied systems: products in scope

Since 2013, all air conditioners and air-to-air heat pumps under 12 kW are in scope of this Eco-Design directive.

Since 26 September 2015, heat generators for space heating (LOT 1) also need to comply to these 20-20-20 targets. For the applied systems market it means that all heat pumps below 400 kW need to comply to minimum efficiency requirements. Heat pumps below 70 kW must be marked with a product energy label.

Since 26 September 2017, second tier of **LOT 1** came into force, requiring minimum seasonal efficiency (SCOP) for the air to water & water to water heat pumps up to 400 kW.

Since 2018, the Ecodesign Directive sees **ENER LOT 21** came into force to increase energy efficiency and reduce carbon emissions throughout Europe. The products in scope are:

- › Air conditioners - all air conditioners over 12 kW, with specific requirements for both cooling and heating.
- › Cooling only chillers up to 1.500kW.
- › Reversible chillers from 400 kW to 1.500kW (reversible chillers up to and including 400kW are excluded from the regulation as being covered by directive (EC) 813/2013 with regard to Ecodesign requirements for space heaters and combination heaters).
- › Heating only chillers are excluded from the LOT 21, with no minimum heating requirements specified.

Our service

Daikin helps its partners to meet their obligations regarding the Ecodesign Directive and energy labelling. Labels, product and technical fiches for each individual product are available as downloads at any time from the Energy Label Generator at <http://emea.intpre.daikineurope.com/energylabel/Lot1-2>



Witness testing

Peace of mind system integration

Each day, the solutions offered by Daikin Applied Europe ensure people the best configuration for their thermic comfort. Our solutions for process cooling and heating are worldwide requested. Any application can be served, resulting in a wide range of products available for our customers. We are industry leaders in air cooled and water cooled chiller technologies. All our efforts result in dedicated solutions tailored to application peculiarities. Our performance in each condition can be shared with customers during witness tests.

During witness testing even the toughest design conditions can be simulated. Customers and consultants can appreciate product performance before its delivery, ensuring “peace of mind” chiller integration in the whole project.

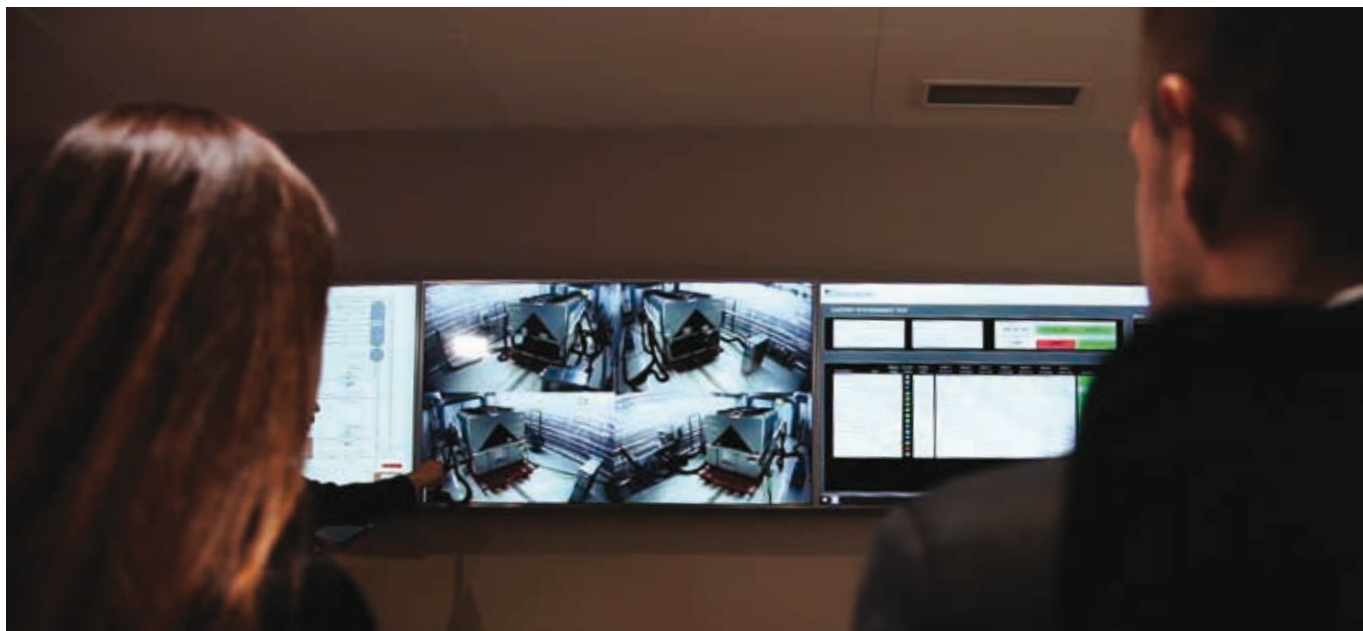
We have specific competencies and state of the art testing facilities to pursue these goals.

The new Daikin Applied Europe testing facilities in Cecchina factory (Rome, Italy) include:

- › A newly built climatic test chamber
- › 3 test stands dedicated to water cooled chillers
- › Customer Lounge, from where testing can be viewed in all comfort



New Climatic Chamber



The state-of-the-art testing centre follows a rigorous set of procedures to ensure proper operation of Daikin products in any environment. The new testing regime has been independently verified and accredited to EN 14511:2013, ISO 9614:2009 and other major recognised European and American HVACR industry standards. In addition, the climatic chamber has been approved by the Air Conditioning, Heating and Refrigeration Institute (AHRI), with tests on air-cooled units for the Eurovent testing campaign being conducted in this new Daikin facility.

Up to
2000 kW
in cooling
at the forefront
of testing

The range of tests that could be performed in the new chamber is very wide. It can be summarized in:

Eurovent and AHRI conditions at full load and part load

Customized full load and part load points, including:

- > High ambient temperature installations: up to +52 °C
 - > Extremely low ambient temperature: down to -15 °C
 - > Negative evaporator leaving water temperature conditions: down to -8 °C with glycol solutions
 - > Heat recovery and heat pump tests
 - > 4-6 pipes units
 - > Free cooling
 - > Acoustic tests
-
- > Voltage range: 380 – 400 – 440 – 690 V
 - > Frequency range: 50 – 60 Hz

The new climatic chamber enables testing of the entire aircooled chiller range, in any design condition.



EWYD-4Z Multipurpose units

NEW R1234ze chiller EWAH-TZ B

Up to 30 FANS chiller EWAD-T B

4 and 6 pipes layouts can be tested

Up to 1060 kW – 20 FANS

Cooling capacity up to 2000 kW

Each application can be simulated. From comfort cooling conditions (residential / office / commercial buildings / hospitals) to highly customized chillers for industrial process cooling applications (food / pharma / refrigerated warehouses / data centers, etc.). Chillers for rental cooling purposes can be tested in our facility, in different expected operating conditions.

Here are only a few examples of successful witness tests:



Application: Pharma

Unit: EWADC11TZ-XS B2

Cooling load: 695 kW

Conditions:

Chilled water in/out: 0/-5 °C
Ambient temperature: 42°C

Tests performed:

Full load + 3 part loads
Testing time: 1 day



Application: Bank headquarters

Unit: EWYD580BZ-SS

Cooling load: 580 kW
Heating load: 618 kW

Conditions:

Chilled water in/out: 12 / 7 °C at 35 °C ambient
Heated water in/out: 40 / 45 °C at 7 °C ambient

Tests performed:

Full load in cooling & heating
50% part load in cooling
Acoustic test in cooling – full load
Testing time: 1 day



Application: Hospital

Unit: EWYD6504Z-XR A2

Cooling load: 756 kW
Heating load: 751 kW

Conditions:

Chilled water in/out: 12 / 6 °C at 38°C ambient
Heated water in/out: 40 / 45 °C at 5 °C ambient

Tests performed:

Full load in cooling & heating
Acoustic test in cooling – full load
Testing time: 1 day

Water cooled test stands

Our chiller testing facility offers the most advanced testing technology for water cooled units. 3 test stands are available for witness testing purposes, up to 2 – 4 – 11 MW cooling capacity. The largest capacity test stand is also AHRI approved.



Cooling applications can be simulated in many conditions. From small-medium sized comfort cooling conditions (residential / office / commercial buildings) to highly customized chillers for industrial process cooling applications (food / pharma, etc.) and up to large

public buildings and district cooling applications. Chillers for marine applications can be tested in our facility, ensuring complete integration of the chiller in the ship's HVAC system.

Here are only a few examples of successful witness tests:



Application: Courthouse

Unit: EWWDC21VZ-XS A2

Cooling load: 1736 kW

Conditions:

Chilled water in/out: 10 / 5 °C
 Condenser water in/out: 40 / 45 °C
 Power supply: 400 V / 50 Hz

Tests performed:

Full load + 3 part loads
 Testing time: 1 day



Application: Marine – cruise vessel

Unit: DWDC

Cooling load: 6000 kW

Conditions:

Chilled water in/out: 12 / 6 °C
 Condenser water in/out: 32 / 38 °C
 Power supply: 11000 V / 60 Hz

Tests performed:

Full load + 3 part loads
 Testing time: 1 day



Application: District cooling

Unit: WCT

Cooling load: 11 MW

Conditions:

Chilled water in/out: 10 / 5 °C
 Condenser water in/out: 35 / 39 °C
 Power supply: 11000 V/50 Hz

Tests performed:

Full load + 3 part loads
 Testing time: 1 day

Power supply conditions can be set according to an extensive range:

Voltage: 380 – 400 – 460 – 690 – 3000 – 3300 – 4160 – 6000 – 6600 – 10000 – 11000 – 13200 – 13800 V
 Frequency– 60 Hz

Customer Lounge

We elevate witness testing experience to a higher level. The dedicated lounge rooms ensure remote data log and monitoring from test stands. Product control and open discussion on product and design characteristics can then be fulfilled comfortably.



Product performance can be confirmed from the comfort of your chair. Details can be observed from the webcams all around the unit, ensuring customer expectations and safety. As well, the unit under testing can be directly checked through the glass.

Our customers are free to select what should be displayed on our monitors just by clicking on our tablet



EWAQ-A/B

- > Inverter controlled swing compressors with refrigerant R410a
- > High ESEER thanks to inverter technology, integrated hydronics.
- > Application range **cooling** air side + 10°C to + 43°C
- > Application range **cooling** water side + 5°C to + 20°C
- > Built-in Hydraulic kit: no buffer tank required, standard inverter driven pump, main flow sensor and switch included.
- > Expansion vessel included
- > Control panel included



Unit size (1 phase)	EWAQ	004BVP	005BVP	006BVP	008BVP	009ACV3P	010ACV3P	011ACV3P
Price⁽¹⁾	€	3.092,-	3.370,-	3.612,-	3.991,-	4.518,-	4.784,-	5.138,-
Cooling capacity ⁽²⁾	kW	4,00	4,93	5,88	7,95	8,6	9,6	11,1
EER		3,14	3,06	3,15	3,1	3,05	2,93	2,85
ESEER		4,45	4,49	5,25	5,24	4,31	4,3	4,33
Sound power level	dB(A)	63,0	64,2	69	69	64	64	64
Supply voltage (1-phase)	V~	230	230	230	230	230	230	230

Options									
OP10	Evaporator heater tape including better insulation of the hydraulic	€	396,-	396,-	392,-	392,-	500,-	500,-	500,-
EK2CB07CV3	Option box, requires EKCB07CV3	€	296,-	296,-	296,-	296,-	n/a	n/a	n/a
EKCB07CV3	Control box	€	296,-	296,-	296,-	296,-	n/a	n/a	n/a
EKRP1HBA	digital I/O PCB Additional board with operating or fault message output, fan operating message, release contact for additional heating	€	n/a	n/a	n/a	n/a	159,-	159,-	159,-

Unit size (3 phase)	EWAQ	009ACW1P	011ACW1P	013ACW1P
Price	€	4.712,-	5.182,-	5.492,-
Cooling capacity ⁽²⁾	kW	9,1	11,1	13,3
EER		2,99	2,85	2,57
ESEER		4,43	4,44	4,36
Sound power level	dB(A)	64	64	66
Supply voltage (3-phases)	V~	400	400	400

Options					
OP10	Evaporator heater tape including better insulation of the hydraulic	€	500,-	500,-	500,-
EKRP1HBA	digital I/O PCB Additional board with operating or fault message output, fan operating message, release contact for additional heating	€	159,-	159,-	159,-

Notes:



(1) Pump integrated; (2) Cooling: Ta DB/WB 35°C - LWE 7°C (DT = 5°C) data according EN 14511: 2011

EWYQ-A/B


- › Inverter controlled swing compressors with refrigerant R410a
- › High ESEER thanks to inverter technology
- › Application range **cooling** air side +10°C to +43°C
- › Application range **cooling** water side +5°C to +22°C
- › Application range **heating** air side -20°C to +25°C
- › Application range **heating** water side +15°C to +55°C
- › Built-in Hydraulic kit: no buffer tank required, standard inverter driven pump, main flow sensor and switch included.
- › Expansion vessel included
- › Control panel included



Unit size (1 phase)			EWYQ	004BVP	005BVP	006BVP	008BVP	009ACV3P	010ACV3P	011ACV3P
Price⁽¹⁾			€	3.437,-	3.745,-	4.014,-	4.434,-	5.202,-	5.474,-	5.802,-
Cooling capacity ⁽²⁾			kW	4,00	4,93	5,88	7,95	8,6	9,6	11,1
EER				3,14	3,06	3,15	3,10	3,05	2,93	2,85
ESEER				4,45	4,49	5,25	5,24	4,31	4,3	4,33
Heating capacity ⁽³⁾			kW	4,11	4,99	6,14	8,08	9,9	11,4	12,9
COP				3,44	3,41	3,51	3,49	3,3	3,29	3,27
Space heating	Average climate	ηs (Seasonal space heating efficiency)	%	114	118	124	124	126	131	134
	water outlet 55°C	SCOP		2,92	3,01	3,19	3,17	3,22	3,34	3,41
		Seasonal space heating eff. class		A+	A+	A+	A+	A+	A+	A+
Sound power level			dB(A)	63	64	69	69	64	64	64
Supply voltage (1-phase)			V~	230	230	230	230	230	230	230

Options			€							
OP10	Evaporator heater tape including better insulation of the hydraulic		€	396,-	396,-	392,-	396,-	500,-	500,-	500,-
EK2CB07CV3	Option box, requires EKCB07CV3		€	296,-	296,-	296,-	296,-	n/a	n/a	n/a
EKCB07CV3	Control box		€	296,-	296,-	296,-	296,-	n/a	n/a	n/a
EKRP1HBA	digital I/O PCB Additional board with operating or fault message output, fan operating message, release contact for additional heating		€	n/a	n/a	n/a	n/a	159,-	159,-	159,-

Unit size (3 phase)			EWYQ	009ACW1P	011ACW1P	013ACW1P
Price			€	5.404,-	5.865,-	6.200,-
Cooling capacity ⁽²⁾			kW	9,1	11,1	13,3
EER				2,99	2,85	2,57
ESEER				4,43	4,44	4,36
Heating capacity ⁽³⁾			kW	10,9	12,4	13,9
COP				3,28	3,27	3,25
Space heating	Average climate	ηs (Seasonal space heating efficiency)	%	126	134	130
	water outlet 35°C	SCOP		3,22	3,41	3,30
		Seasonal space heating eff. class		A+	A+	A+
Sound power level			dB(A)	64	64	66
Supply voltage (3-phases)			V~	400	400	400

Options			€			
OP10	Evaporator heater tape including better insulation of the hydraulic		€	500,-	500,-	500,-
EKRP1HBA	digital I/O PCB Additional board with operating or fault message output, fan operating message, release contact for additional heating		€	159,-	159,-	159,-

Notes:

(1) Pump integrated; (2) Cooling: Ta DB/WB 35°C - LWE 7°C (DT = 5°C) data according EN 14511: 2011 ; (3) Heating: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C), data according EN 14511: 2011






EWAQ-CW

- > Inverter controlled swing compressors with refrigerant R410a
- > High efficiency with leader-of-class ESEER.
- > No buffer tank required for standard applications
- > Application range **cooling** air side -5°C to +43°C
- > Application range **cooling** water side -10°C to +20°C
- > Communication to the building management system via RTD-W module
- > Hydraulic module with integrated pump and without pump available
- > Expansion vessel, flow controller, water filter, shut-off valve, drain/filling valve, control panel included



Unit size (without pump)	EWAQ-CWN	016	021	025	032	040	050	064
Price	€	7.851,-	10.739,-	12.115,-	13.975,-	18.492,-	20.596,-	23.786,-
Unit size (with standard pump)	EWAQ-CWP	016	021	025	032	040	050	064
Price	€	8.503,-	11.498,-	12.874,-	14.901,-	19.418,-	21.523,-	24.712,-
Unit size (with high lift pump)	EWAQ-CWH	016	021	025	032	040	050	064
Price	€	8.809,-	11.853,-	13.229,-	15.091,-	19.850,-	21.955,-	25.144,-
Cooling Capacity (MAX) ⁽³⁾ EWYQ - CWN ⁽¹⁾ / CWP ⁽²⁾	kW	20,0 / 20,2	25,0 / 25,2	30,1 / 30,3	37,6 / 37,8	50,1 / 50,3	60,1 / 60,3	75,2 / 75,3
Cooling capacity (nominal) ⁽³⁾ EWAQ - CWN / CWP	kW	16,8 / 17,0	21,0 / 21,2	25,3 / 25,5	31,6 / 31,8	42,1 / 42,3	50,5 / 50,7	63,2 / 63,3
ESEER (nominal) EWAQ - CWN ⁽¹⁾ / CWP ⁽²⁾		4,37 / 4,85	4,26 / 4,70	4,17 / 4,57	3,87 / 4,10	4,28 / 4,40	4,18 / 4,36	3,87 / 4,05
Sound power level	dB(A)	78	78	78	80	81	81	83

Options									
OP10	Evaporator electric heater	€	588,-	682,-	682,-	682,-	802,-	802,-	801,-
OPZL	Low leaving water operation down to -10 °C	€	435,-	506,-	506,-	507,-	617,-	618,-	617,-

Kit									
EKRP1AHT									
	Additional board for external control, on/off device, heating /cooling switch	€	158,-	158,-	158,-	158,-	158,-(2 pcs)	158,-(2 pcs)	158,-(2 pcs)
EKRUAHT									
	Additional control unit	€	300,-	300,-	300,-	300,-	300,-	300,-	300,-
BHGP26A1									
	Digital pressure display	€	506,-	506,-	506,-	506,-	506,-(2 pcs)	506,-(2 pcs)	506,-(2 pcs)
DTA104A62									
	Additional board for demand and noise reduction	€	470,-	470,-	470,-	470,-	470,-(2 pcs)	470,-(2 pcs)	470,-(2 pcs)
RTD-W									
	Modbus interface	€	371,-	371,-	371,-	371,-	371,-	371,-	371,-

Notes:

- (1) EWYQ-CWN: Version without pump
- (2) EWYQ-CWP: Version with pump
- (3) Cooling: Ta DB/WB 35°C - LWE 7°C (DT = 5°C) data according EN 14511: 2011

EWYQ-CW






- › Inverter controlled swing compressors with refrigerant R410a
- › Wide operation range, ambient temperature in heating down to -15°C
- › No buffer tank required for standard applications
- › Application range **cooling** air side -5°C to +43°C
- › Application range **cooling** water side -10°C to +20°C
- › Application range **heating** air side -15°C to +35°C
- › Application range **heating** water side +25°C to +50°C
- › Communication to the building management system via RTD-W module
- › Hydraulic module with integrated pump and without pump available



- › Expansion vessel, flow controller, water filter, shut-off valve, drain/filling valve, control panel included

Unit size (without pump)		EWYQ-CWN	016	021	025	032	040	050	064	
Price		€	9.029,-	12.354,-	13.934,-	16.075,-	21.261,-	23.688,-	27.356,-	
Unit size (with standard pump)		EWYQ-CWP	016	021	025	032	040	050	064	
Price		€	9.682,-	13.114,-	14.694,-	17.001,-	22.187,-	24.614,-	28.282,-	
Unit size (with high lift pump)		EWYQ-CWH	016	021	025	032	040	050	064	
Price		€	9.987,-	13.469,-	15.049,-	17.190,-	22.621,-	25.047,-	28.714,-	
Cooling capacity (MAX) ⁽³⁾ EWYQ - CWN ⁽¹⁾ / CWP ⁽²⁾		kW	20,0 / 20,02	25,0 / 25,2	30,1 / 30,3	37,6 / 37,8	50,1 / 50,3	60,1 / 60,3	75,2 / 75,3	
Cooling capacity (nominal) ⁽³⁾ EWYQ - CWN ⁽¹⁾ / CWP ⁽²⁾		kW	16,8 / 17,0	21,0 / 21,2	25,1 / 25,5	31,6 / 31,8	42,1 / 42,3	50,5 / 50,7	63,2 / 63,3	
ESEER (nominal) EWYQ - CWP ⁽¹⁾ / CWP ⁽²⁾			4,37 / 4,85	4,26 / 4,70	4,17 / 4,57	3,87 / 4,10	4,28 / 4,40	4,18 / 4,36	3,87 / 4,05	
Heating capacity (MAX) ⁽⁴⁾ EWYQ - CWN ⁽¹⁾ / CWP ⁽²⁾		kW	20,0 / 19,8	25,0 / 24,8	29,9 / 29,7	37,4 / 37,2	49,9 / 49,7	59,9 / 59,7	74,9 / 74,7	
Heating capacity (nominal) ⁽⁴⁾ EWYQ - CWN ⁽¹⁾ / CWP ⁽²⁾		kW	16,8 / 16,6	21,0 / 20,8	25,1 / 24,9	31,4 / 31,2	41,9 / 41,7	50,3 / 50,1	62,9 / 62,7	
COP (nominal) EWYQ - CWN / CWP			3 / 3,02	3,05 / 3,07	2,87 / 2,91	2,91 / 2,93	3,06 / 3,03	2,87 / 2,88	2,91 / 2,93	
Space heating	Average climate water outlet 35°C	General ηs (Seasonal space heating efficiency) %	147(1)/144(2)	148(1)/154(2)	138(1)/139(2)	135(1)/138(2)	149(1)/149(2)	139(1)/139(2)	135(1)/138(2)	
			SCOP	3,75(1)/3,68(2)	3,78(1)/3,93(2)	3,53(1)/3,55(2)	3,45(1)/3,53(2)	3,80(1)/3,80(2)	3,55(1)/3,55(2)	3,45(1)/3,53(2)
			Seasonal space heating eff. class	A+(1)/A+(2)	A++(1)/A++(2)	A+(1)/A+(2)	A+(1)/A+(2)	A+(1)/A+(2)	A+(1)/A+(2)	A+(1)/A+(2)
Sound power level		dB(A)	78	78	78	80	81	81	83	

Options									
OP10	Evaporator electric heater	€	588,-	683,-	682,-	682,-	802,-	802,-	801,-
OPZL	Low leaving water operation down to -10 °C	€	436,-	507,-	506,-	506,-	618,-	617,-	617,-

Kit									
	Additional board for external control, on/off device, heating /cooling switch	€	158,-	158,-	158,-	158,-	158,- ^(2 pcs)	158,- ^(2 pcs)	158,- ^(2 pcs)
	Additional control unit	€	300,-	300,-	300,-	300,-	300,-	300,-	300,-
	Digital pressure display	€	506,-	506,-	506,-	506,-	506,- ^(2 pcs)	506,- ^(2 pcs)	506,- ^(2 pcs)
	Additional board for demand and noise reduction	€	470,-	470,-	470,-	470,-	470,- ^(2 pcs)	470,- ^(2 pcs)	470,- ^(2 pcs)
	Modbus interface	€	371,-	371,-	371,-	371,-	371,-	371,-	371,-

Notes:

(1) EWYQ-CWN: Version without pump

(2) EWYQ-CWP: Version with pump

(3) Cooling: Ta DB/WB 35°C - LWE 7°C (DT = 5°C) data according EN 14511: 2011


(4) Heating: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C), data according EN 14511: 2011

SEHVX-BW





- › Inverter controlled swing compressors with refrigerant R410a
- › Wide operation range, ambient temperature in heating down to -15°C
- › No buffer tank required for standard applications
- › Application range **cooling** air side -5°C to +43°C
- › Application range **cooling** water side +5°C to +20°C
- › Application range **heating** air side -15°C to +35°C
- › Application range **heating** water side +25°C to +50°C
- › Communication to the building management system via RTD-W module
- › Hydraulic module with integrated pump and without pump available
- › Expansion vessel, flow controller, water filter, shut-off valve, drain/filling valve, control panel included



- › Distance between outdoor and indoor unit: max 30 meters
- › Height difference between outdoor and indoor unit: max 10 meters

Unit size		20	32	40	64	
Indoor unit		1x SEHVX20BW	1x SEHVX32BW	1x SEHVX40BW	1x SEHVX64BW	
Outdoor Units		1x SERHQ020BW1	1x SERHQ032BW1	2x SERHQ020BW1	2x SERHQ032BW1	
Indoor unit Price per each	€	5.470,-	6.112,-	6.409,-	6.526,-	
Outdoor unit Price per each	€	8.018,-	11.295,-	8.018,-	11.295,-	
Unit Price per each (indoor + outdoor(s))	€	13.488,-	17.407,-	22.444,-	29.116,-	
Cooling Capacity (nominal) ⁽¹⁾	kW	21,2	31,8	42,3	63,3	
Cooling Capacity (maximum) ⁽¹⁾	kW	25,2	37,8	50,3	75,3	
EER		2,84	2,50	2,80	2,48	
ESEER		4,70	4,10	4,40	4,05	
Heating Capacity (nominal) ⁽²⁾	kW	20,8	31,2	41,7	62,7	
Heating Capacity (maximum) ⁽²⁾	kW	24,8	37,2	49,7	74,7	
COP		3,07	2,93	3,03	2,93	
 Space heating Average climate water outlet 35°C	ηs (Seasonal space heating efficiency)	%	154	138	149	138
	SCOP		3,93	3,53	3,80	3,53
	Seasonal space heating eff. class		A++	A+	A+	A+
Sound power level (outdoor unit / each)	dB(A)	78	80	81	83	

Standard Options		SEHVX20BW	SEHVX32BW	SEHVX40BW	SEHVX64BW
Standard Hydraulic package	€	including as standard	including as standard	including as standard	including as standard
One centrifugal pump					

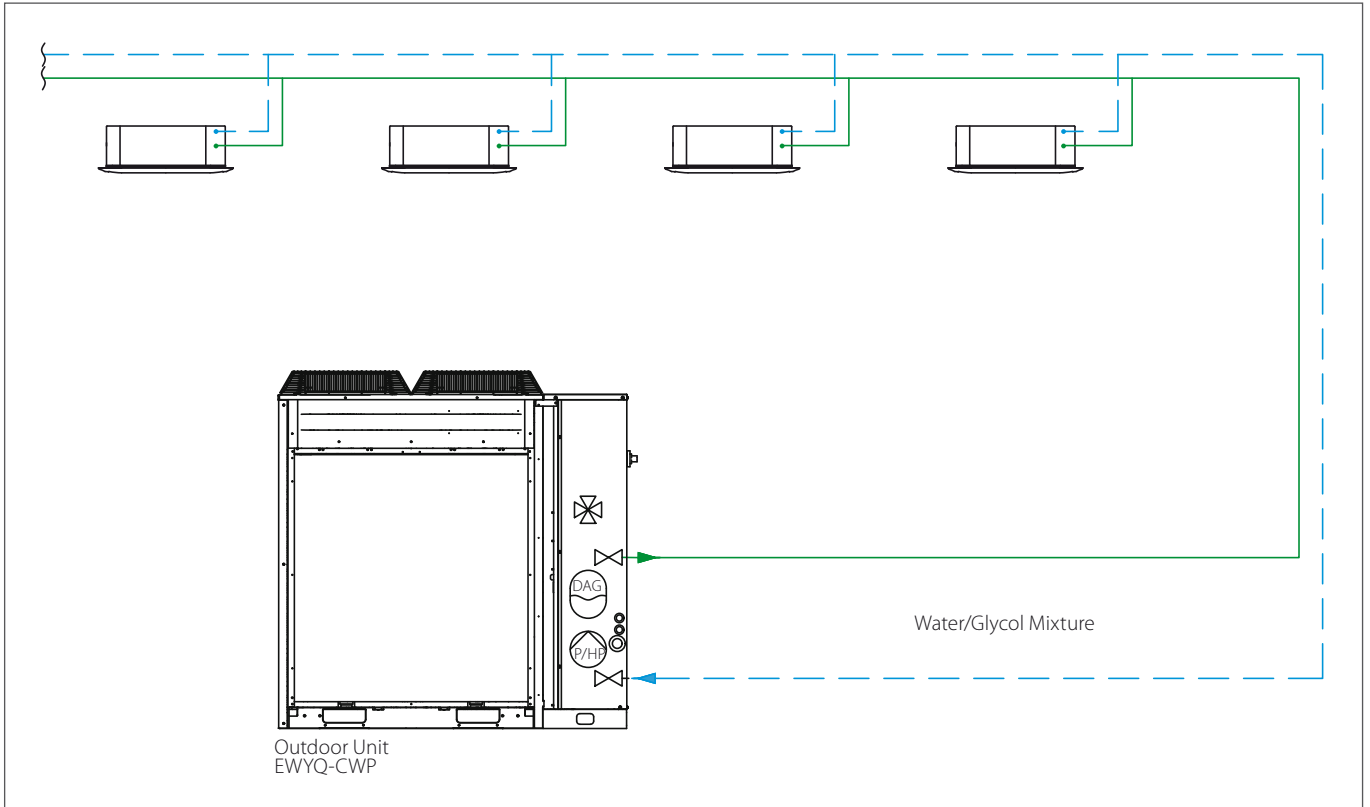
Kit	Design size	020	032	040	064
 EKRP1AHT Additional board for external control, on/off device, heating /cooling switch	€	158,-	158,-	158,- ^(2 pcs)	158,- ^(2 pcs)
 DTA104A62 Additional board for demand and noise reduction	€	470,-	470,-	470,- ^(2 pcs)	470,- ^(2 pcs)
 RTD-W Modbus interface	€	371,-	371,-	371,-	371,-
 EKCC-W Additional module for cascade control of up to 16 EWAQ ** devices including power supply	€	1.281,-	1.281,-	1.281,-	1.281,-

Notes:

- (1) Cooling: Ta DB/WB 35°C - LWE 7°C (DT = 5°C) data according EN 14511: 2011
- (2) Heating: Ta DB/WB 7/6°C - LWC 35°C (DT = 5°C), data according EN 14511: 2011

EWYQ-CWP

An example scheme of the hydronic connection for the unit EWYQ-CWP is shown below. In the picture 1 the unit is equipped with a standard pump.



Picture 1

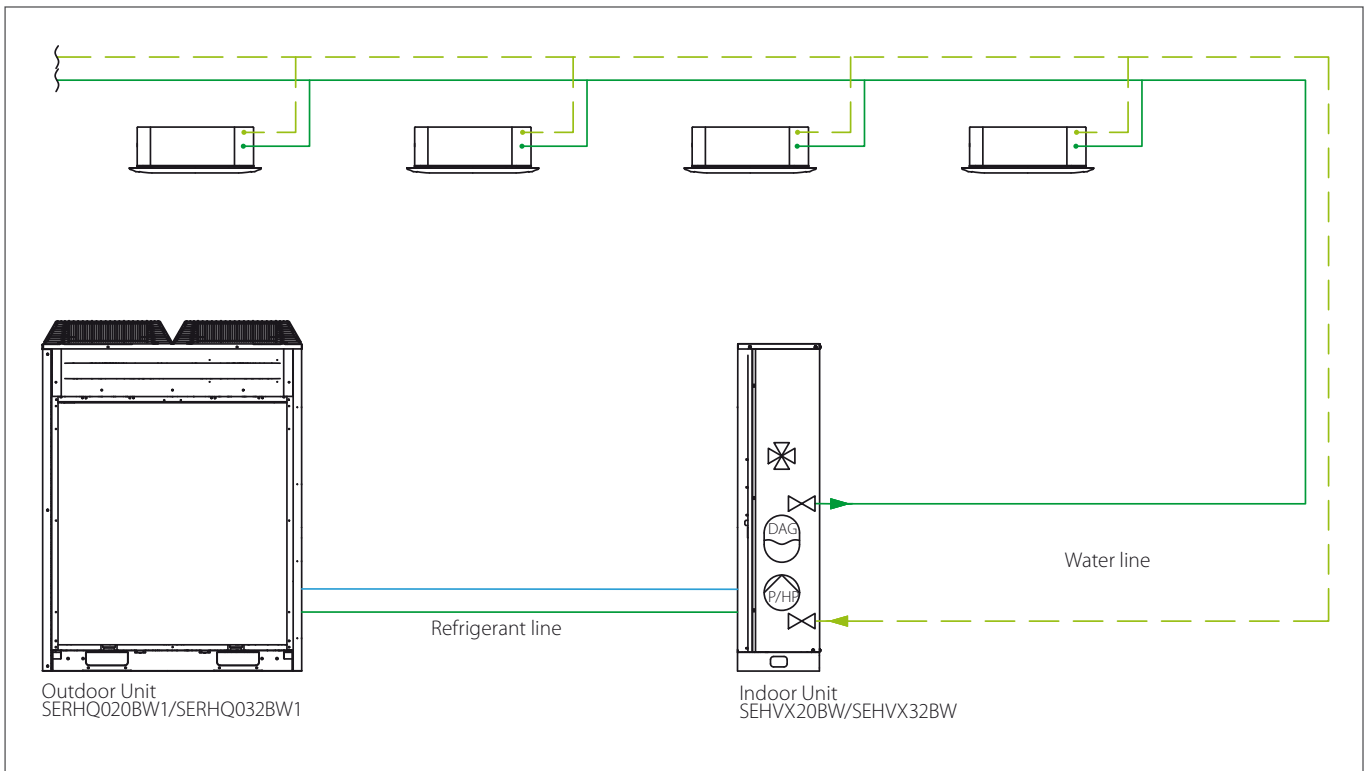
SEHVX-BW

An example scheme of the hydronic connections for the units **SEHVX-BW/ SERHQ-BW1** is shown in Picture 2 & Picture 3.

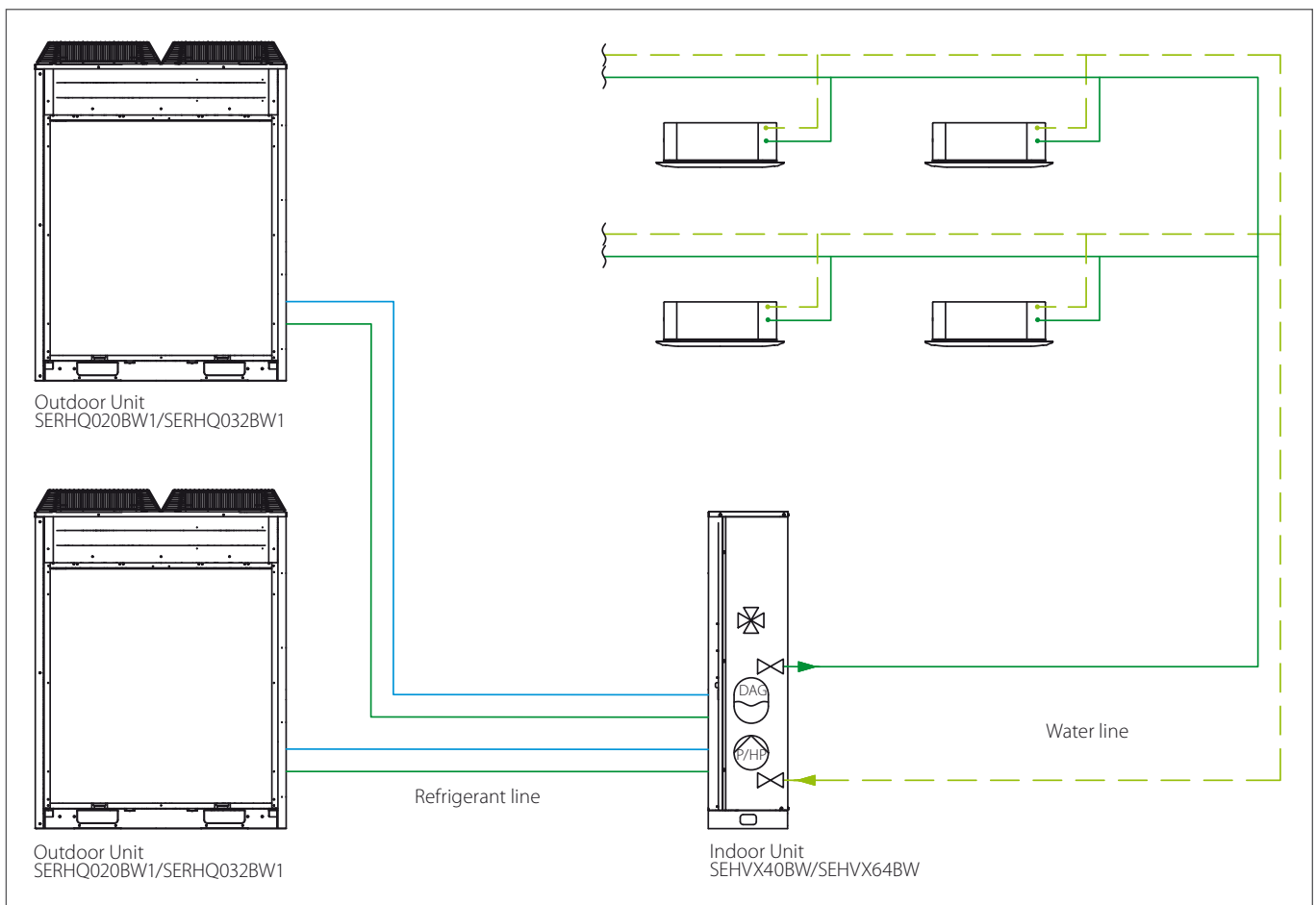
Picture 2 – outdoor unit **SERHQ020/032BW1** (size 20 or 32) with the hydronic connection to the related indoor unit SEHVX20/32BW.

Picture 3 - two outdoor units **SERHQ020/032BW1** (size 40 or 64) with the hydronic connection to the related indoor unit SEHVX40/64BW.

As seen from the scheme, these materials consist of two outdoor units.



Picture 2



Picture 3

Air cooled chiller

EWAQ-G/ EWYQ-G

- > Compact Air Cooled chiller with Scroll compressors
- > Refrigerant R410A
- > Evaporator as plate heat exchanger
- > Condenser as Microchannel heat exchanger
- > Certified by Eurovent
- > High efficiency rating – Eurovent rating Class A
- > Reduced noise
- > Electronic expansion valve
- > Sequential control for Master/Slave function by default
- > Partial heat recovery optionally available
- > Total heat recovery optionally available

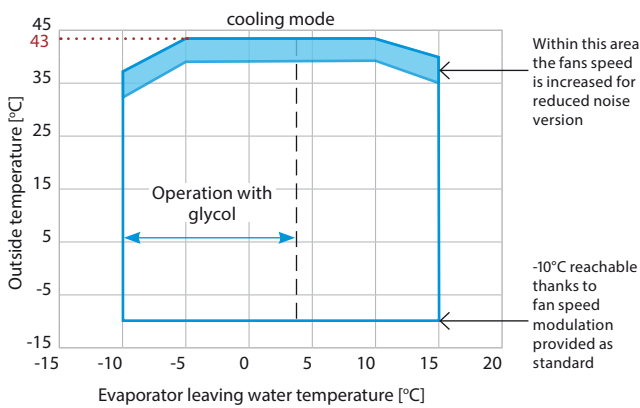


Standard equipment:

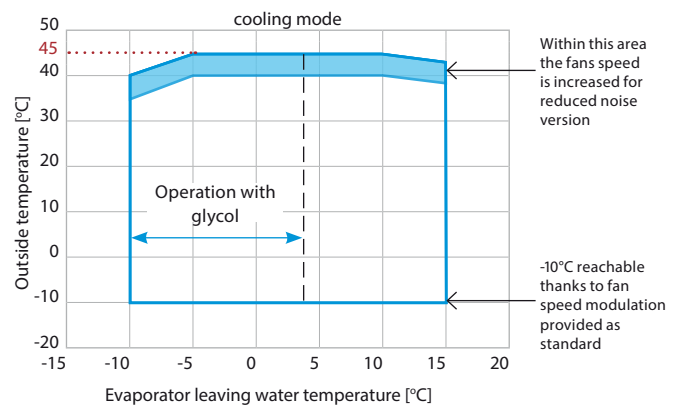
- > Main switch
- > Master/Slave Control
- > Direct start
- > Ventilator speed control (phase modulation)
- > Double setpoint value
- > Evaporator electric heater
- > Electronic expansion valve
- > Operating hours counter
- > Accumulative fault message

Operating limits, cooling only models:

EWAQ G SS/SR – cooling only, standard efficiency

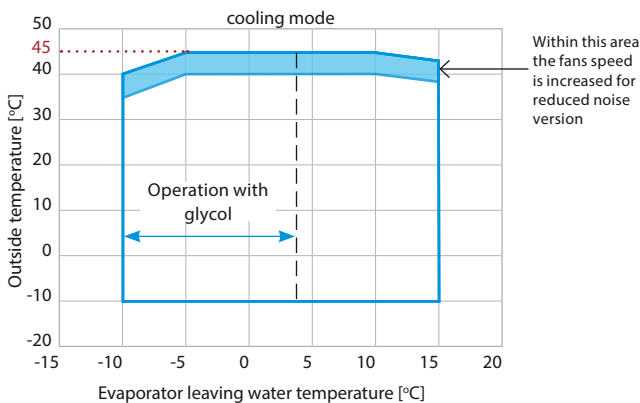


EWAQ G XS/XR – cooling only, high efficiency

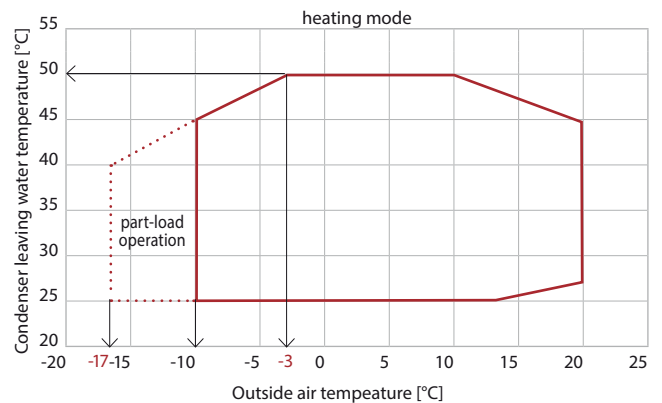


Operating limits, heat pump models:

EWYQ G XS/XR – heat pump, high efficiency



EWYQ G XS/XR - heat pump, high efficiency



EWAQ-G-SS

Standard efficiency rating, standard noise level

- › Single refrigerant circuit (2 scroll compressors) with single evaporator
- › Reduced amount of refrigerant tanks to micro channel heat exchanger technology
- › Partial and total heat recovery option available
- › Stainless steel plate heat exchanger
- › MicroTech III controller with superior control logic and easy interface



Type of unit (rated power in accordance with EN14511)	EWAQ -G-SS	075	085	100	110	120	140	155
Price	€	17.840,-	19.284,-	21.124,-	21.883,-	23.002,-	25.837,-	27.575,-
Commissioning ordered from DAIKIN is mandatory		Price on request on project quotation based						
Cooling capacity	kW	74,7	84,2	96,7	107	117	139	154
Power input	kW	27,7	31,2	35,0	39,5	43,4	51,1	57,2
Refrigerant circuit		1	1	1	1	1	1	1
Compressors		2	2	2	2	2	2	2
EER		2,70	2,70	2,76	35,0	2,76	2,73	2,7
ESEER		4,26	4,45	4,27	4,33	4,12	4,39	4,23
Length	mm	2.140	2.680	2.680	2.680	3.200	3.200	3.200
Width	mm	1.195	1.195	1.195	1.195	1.195	1.195	1.195
Height	mm	1.800	1.800	1.800	1.800	1.800	1.800	1.800
Weight of unit / Operating weight	kg	681/692	792/802	953/963	923/934	982/993	1.037/1.054	1.066/1.085
Sound power / Sound pressure (at 1m)	dB(A)	83/66	85/68	87/69	89/71	89/71	89/71	89/71
Buffer tank volume / option (OP 134/135/136/137)	liter	75	175	175	175	250	250	250

Optional accessories for chiller:

Code	Type of unit	EWAQ -G-SS	075	085	100	110	120	140	155
Mechanical									
20	Evaporator victaulic kit	€				Standard			
29	20mm evaporator insulation	€							
01a	Total heat recovery (including expansion card pol965)	€	3.041,-	3.041,-	3.055,-	3.325,-	3.325,-	3.325,-	3.502,-
03	Partial heat recovery	€	1.100,-	1.100,-	1.100,-	1.121,-	1.121,-	1.313,-	1.313,-
08	Brine version	€	467,-	467,-	467,-	467,-	467,-	467,-	467,-
126	Discharge and suction line shut-off valve	€	778,-	778,-	778,-	778,-	778,-	778,-	778,-
127	High and low pressure side manometers	€	254,-	254,-	254,-	254,-	254,-	254,-	254,-
138	Condenser coil guard	€	422,-	467,-	467,-	467,-	507,-	507,-	507,-
78	One centrifugal pump (low lift)	€	2.143,-	2.284,-	2.284,-	2.284,-	2.386,-	2.538,-	2.538,-
79	One centrifugal pump (high lift)	€	2.589,-	2.791,-	2.791,-	2.791,-	2.893,-	2.893,-	2.893,-
80	Two centrifugal pump (low lift)	€	3.495,-	3.777,-	3.777,-	3.777,-	3.777,-	3.890,-	3.890,-
81	Two centrifugal pump (high lift)	€	4.106,-	4.432,-	4.432,-	4.432,-	4.517,-	4.517,-	4.517,-
134	One centrifugal pump (low lift) + tank	€	3.355,-	3.596,-	3.596,-	3.596,-	4.019,-	4.179,-	4.179,-
135	One centrifugal pump (high lift) + tank	€	3.798,-	4.103,-	4.103,-	4.103,-	4.534,-	4.534,-	4.534,-
136	Two centrifugal pump (low lift) + tank	€	5.356,-	5.599,-	5.599,-	5.599,-	5.667,-	5.752,-	5.752,-
137	Two centrifugal pump (high lift) + tank	€	5.796,-	6.119,-	6.119,-	6.119,-	6.204,-	6.204,-	6.204,-
91	Double pressure relief valve with diverter	€	930,-	930,-	930,-	930,-	930,-	930,-	930,-
139	E-coating microchannel coils	€	796,-	1.172,-	1.172,-	1.172,-	1.532,-	1.532,-	1.532,-
115	Water filter	€	489,-	489,-	489,-	489,-	489,-	489,-	489,-
Electrical / Control									
04	Direct on line starter (dol)	€							
10	Double setpoint	€							
57	Evaporator electric heater	€							
60	Electronic expansion valve	€							
67	Ambient outside temperature sensor and setpoint reset	€				Standard			
68	Hour run meter	€							
69	General fault contactor	€							
97	Main switch interlock door	€							
128	Master/Slave	€							
06	Soft starter	€	1.679,-	1.679,-	1.679,-	1.679,-	1.737,-	1.878,-	2.018,-
15a	Control expansion pack including (under / over voltage control, setpoint reset, demand limit, alarm from external device, expansion card pol965)	€	383,-	383,-	383,-	383,-	383,-	383,-	383,-
17	Capacitors for power factor correction	€	648,-	648,-	648,-	648,-	648,-	720,-	846,-
58	Evaporator flow switch	€	219,-	219,-	219,-	219,-	219,-	219,-	219,-
95	Compressors circuit breakers	€	297,-	309,-	321,-	321,-	321,-	364,-	406,-
96	Fans circuit breakers	€	168,-	168,-	168,-	168,-	168,-	168,-	168,-
Installation									
75	Rubber anti vibration mounts	€	385,-	385,-	385,-	385,-	385,-	385,-	385,-
77	Spring anti vibration mounts	€	1.206,-	1.206,-	1.206,-	1.206,-	1.206,-	1.206,-	1.206,-
83	External tank without cabinet (500 l)	€	2.972,-	2.972,-	2.972,-	2.972,-	2.972,-	2.972,-	2.972,-
84	External tank without cabinet (1000 l)	€	3.968,-	3.968,-	3.968,-	3.968,-	3.968,-	3.968,-	3.968,-
87	External tank with cabinet (500 l)	€	4.374,-	4.374,-	4.374,-	4.374,-	4.374,-	4.374,-	4.374,-
88	External tank with cabinet (1000 l)	€	5.604,-	5.604,-	5.604,-	5.604,-	5.604,-	5.604,-	5.604,-
Communication cards / Accessories									
EKCM200J	BMS card (ModBUS-RTU)	€	299,-	299,-	299,-	299,-	299,-	299,-	299,-
EKMBACMSTP	BMS card (BacNet/ MSTP)	€	357,-	357,-	357,-	357,-	357,-	357,-	357,-
EKMLON	BMS card (LonWorks)	€	348,-	348,-	348,-	348,-	348,-	348,-	348,-

EWAQ-G-SR

Standard efficiency rating, reduced noise level



Type of unit (rated power in accordance with EN14511)	EWAQ-G-SR	075	085	100	110	120	140	155
Price	€	19.092,-	20.639,-	22.606,-	23.417,-	24.615,-	27.647,-	29.508,-
Commissioning ordered from DAIKIN is mandatory		Price on request on project quotation based						
Cooling capacity	kW	69,3	78,9	91,0	99,7	109	130	143
Power input	kW	29,4	33,1	36,8	42,0	46,3	54,0	61,2
Refrigerant circuit		1	1	1	1	1	1	1
Compressors		2	2	2	2	2	2	2
EER		2,36	2,38	2,47	2,38	2,35	2,42	2,34
ESEER		3,94	4,12	3,94	4,02	3,74	4,12	3,88
Length	mm	2.140	2.680	2.680	2.680	3.200	3.200	3.200
Width	mm	1.195	1.195	1.195	1.195	1.195	1.195	1.195
Height	mm	1.800	1.800	1.800	1.800	1.800	1.800	1.800
Weight of unit / Operating weight	kg	711/722	822/832	983/993	953/963	1.012/1.023	1.067/1.084	1.096/1.115
Sound power / Sound pressure (at 1m)	dB(A)	79/62	82/65	84/66	86/68	86/68	86/68	86/68
Buffer tank volume / option (OP 134/135/136/137)	liter	75	175	175	175	250	250	250

Optional accessories for chiller:

Code	Type of unit	EWAQ-G-SR	075	085	100	110	120	140	155
Mechanical									
20	Evaporator victaulic kit	€	Standard						
29	20Mm evaporator insulation	€	Standard						
01A	Total heat recovery (including expansion card pol965)	€	3.041,-	3.041,-	3.055,-	3.325,-	3.325,-	3.325,-	3.502,-
03	Partial heat recovery	€	1.100,-	1.100,-	1.100,-	1.121,-	1.121,-	1.313,-	1.313,-
08	Brine version	€	467,-	467,-	467,-	467,-	467,-	467,-	467,-
126	Discharge and suction line shut-off valve	€	778,-	778,-	778,-	778,-	778,-	778,-	778,-
127	High and low pressure side manometers	€	254,-	254,-	254,-	254,-	254,-	254,-	254,-
138	Condenser coil guard	€	422,-	467,-	467,-	467,-	507,-	507,-	507,-
78	One centrifugal pump (low lift)	€	2.143,-	2.284,-	2.284,-	2.284,-	2.386,-	2.538,-	2.538,-
79	One centrifugal pump (high lift)	€	2.589,-	2.791,-	2.791,-	2.791,-	2.893,-	2.893,-	2.893,-
80	Two centrifugal pump (low lift)	€	3.495,-	3.777,-	3.777,-	3.777,-	3.777,-	3.890,-	3.890,-
81	Two centrifugal pump (high lift)	€	4.106,-	4.432,-	4.432,-	4.432,-	4.517,-	4.517,-	4.517,-
134	One centrifugal pump (low lift) + tank	€	3.355,-	3.596,-	3.596,-	3.596,-	4.019,-	4.179,-	4.179,-
135	One centrifugal pump (high lift) + tank	€	3.798,-	4.103,-	4.103,-	4.103,-	4.534,-	4.534,-	4.534,-
136	Two centrifugal pump (low lift) + tank	€	5.356,-	5.599,-	5.599,-	5.599,-	5.667,-	5.752,-	5.752,-
137	Two centrifugal pump (high lift) + tank	€	5.796,-	6.119,-	6.119,-	6.119,-	6.204,-	6.204,-	6.204,-
91	Double pressure relief valve with diverter	€	930,-	930,-	930,-	930,-	930,-	930,-	930,-
139	E-coating microchannel coils	€	796,-	1.172,-	1.172,-	1.172,-	1.532,-	1.532,-	1.532,-
115	Water filter	€	489,-	489,-	489,-	489,-	489,-	489,-	489,-
Electrical / control									
04	Direct on line starter (dol)	€	Standard						
10	Double setpoint	€	Standard						
57	Evaporator electric heater	€	Standard						
60	Electronic expansion valve	€	Standard						
67	Ambient outside temperature sensor and setpoint reset	€	Standard						
68	Hour run meter	€	Standard						
69	General fault contactor	€	Standard						
97	Main switch interlock door	€	Standard						
128	Master/Slave	€	Standard						
06	Soft starter	€	1.679,-	1.679,-	1.679,-	1.679,-	1.737,-	1.878,-	2.018,-
15A	Control expansion pack including (under / over voltage control, setpoint reset, demand limit, alarm from external device, expansion card pol965)	€	383,-	383,-	383,-	383,-	383,-	383,-	383,-
17	Capacitors for power factor correction	€	648,-	648,-	648,-	648,-	648,-	720,-	846,-
58	Evaporator flow switch	€	219,-	219,-	219,-	219,-	219,-	219,-	219,-
95	Compressors circuit breakers	€	297,-	309,-	321,-	321,-	321,-	364,-	406,-
96	Fans circuit breakers	€	168,-	168,-	168,-	168,-	168,-	168,-	168,-
Installation									
75	Rubber anti vibration mounts	€	385,-	385,-	385,-	385,-	385,-	385,-	385,-
77	Spring anti vibration mounts	€	1.206,-	1.206,-	1.206,-	1.206,-	1.206,-	1.206,-	1.206,-
83	External tank without cabinet (500 l)	€	2.972,-	2.972,-	2.972,-	2.972,-	2.972,-	2.972,-	2.972,-
84	External tank without cabinet (1000 l)	€	3.968,-	3.968,-	3.968,-	3.968,-	3.968,-	3.968,-	3.968,-
87	External tank with cabinet (500 l)	€	4.374,-	4.374,-	4.374,-	4.374,-	4.374,-	4.374,-	4.374,-
88	External tank with cabinet (1000 l)	€	5.604,-	5.604,-	5.604,-	5.604,-	5.604,-	5.604,-	5.604,-
Communication cards / Accessories									
EKCM200J	BMS card (ModBUS-RTU)	€	299,-	299,-	299,-	299,-	299,-	299,-	299,-
EKCM300STP	BMS card (BacNet/ MSTP)	€	357,-	357,-	357,-	357,-	357,-	357,-	357,-
EKCM100N	BMS card (LonWorks)	€	348,-	348,-	348,-	348,-	348,-	348,-	348,-

Air cooled chiller

EWAQ-G-XS

High efficiency rating, standard noise level

- › Single refrigerant circuit (2 scroll compressors) with single evaporator
- › Reduced amount of refrigerant tanks to micro channel heat exchanger technology
- › Partial and total heat recovery option available
- › Stainless steel plate heat exchanger
- › MicroTech III controller with superior control logic and easy interface



Type of unit (rated power in accordance with EN14511)	EWAQ-G-XS	080	090	105	115	130	150
Price	€	22.132,-	23.778,-	25.832,-	27.212,-	29.453,-	31.588,-
Commissioning ordered from DAIKIN is mandatory		Price on request on project quotation based					
Cooling capacity	kW	79,8	90,3	105	117	131	149
Power input	kW	25,8	29,0	33,8	37,7	42,3	48,1
Refrigerant circuit		1	1	1	1	1	1
Compressors		2	2	2	2	2	2
EER		3,10	3,11	3,12	3,10	3,10	3,10
ESEER		4,2	4,3	4,28	4,34	4,22	4,36
Length	mm	2.680	3.200	3.200	3.200	3.800	3.800
Width	mm	1.195	1.195	1.195	1.195	1.195	1.195
Height	mm	1.800	1.800	1.800	1.800	1.820	1.820
Weight of unit / Operating weight	kg	734/744	850/860	1.020/1.035	991/1.007	1.086/1.102	1.123/1.144
Sound power / Sound pressure (at 1m)	dB(A)	84/66	85/68	87/69	89/71	89/71	89/71
Buffer tank volume / option (OP 134/135/136/137)	liter	75	175	175	175	250	250

Optional accessories for chiller:

Code	Type of unit	EWAQ-G-XS	080	090	105	115	130	150
Mechanical								
20	Evaporator victaulic kit	€	Standard					
29	20Mm evaporator insulation	€	Standard					
01a	Total heat recovery (including expansion card pol965)	€	3.041,-	3.041,-	3.055,-	3.325,-	3.325,-	3.325,-
03	Partial heat recovery	€	1.100,-	1.100,-	1.100,-	1.121,-	1.121,-	1.313,-
08	Brine version	€	467,-	467,-	467,-	467,-	467,-	467,-
126	Discharge and suction line shut-off valve	€	778,-	778,-	778,-	778,-	778,-	778,-
127	High and low pressure side manometers	€	254,-	254,-	254,-	254,-	254,-	254,-
138	Condenser coil guard	€	467,-	507,-	507,-	507,-	635,-	635,-
78	One centrifugal pump (low lift)	€	2.284,-	2.386,-	2.386,-	2.386,-	2.639,-	2.639,-
79	One centrifugal pump (high lift)	€	2.791,-	2.893,-	2.893,-	2.893,-	3.079,-	3.079,-
80	Two centrifugal pump (low lift)	€	3.777,-	3.777,-	3.777,-	3.777,-	4.043,-	4.043,-
81	Two centrifugal pump (high lift)	€	4.432,-	4.517,-	4.517,-	4.517,-	4.644,-	4.644,-
134	One centrifugal pump (low lift) + tank	€	3.596,-	4.019,-	4.019,-	4.019,-	4.273,-	4.273,-
135	One centrifugal pump (high lift) + tank	€	4.103,-	4.534,-	4.534,-	4.534,-	4.720,-	4.720,-
136	Two centrifugal pump (low lift) + tank	€	5.599,-	5.667,-	5.667,-	5.667,-	5.863,-	5.863,-
137	Two centrifugal pump (high lift) + tank	€	6.119,-	6.204,-	6.204,-	6.204,-	6.303,-	6.387,-
91	Double pressure relief valve with diverter	€	930,-	930,-	930,-	930,-	930,-	930,-
139	E-coating microchannel coils	€	1.172,-	1.532,-	1.532,-	1.532,-	1.945,-	1.945,-
115	Water filter	€	489,-	489,-	489,-	489,-	489,-	489,-
Electrical / Control								
04	Direct on line starter (dol)	€	Standard					
10	Double setpoint	€	Standard					
57	Evaporator electric heater	€	Standard					
60	Electronic expansion valve	€	Standard					
67	Ambient outside temperature sensor and setpoint reset	€	Standard					
68	Hour run meter	€	Standard					
69	General fault contactor	€	Standard					
97	Main switch interlock door	€	Standard					
128	Master/Slave	€	Standard					
06	Soft starter	€	1.679,-	1.679,-	1.679,-	1.679,-	1.737,-	1.878,-
15a	Control expansion pack including (under / over voltage control, setpoint reset, demand limit, alarm from external device, expansion card pol965)	€	383,-	383,-	383,-	383,-	383,-	383,-
17	Capacitors for power factor correction	€	648,-	648,-	648,-	648,-	648,-	720,-
58	Evaporator flow switch	€	219,-	219,-	219,-	219,-	219,-	219,-
95	Compressors circuit breakers	€	297,-	309,-	321,-	321,-	321,-	364,-
96	Fans circuit breakers	€	168,-	168,-	168,-	168,-	168,-	168,-
Installation								
75	Rubber anti vibration mounts	€	385,-	385,-	385,-	385,-	385,-	385,-
77	Spring anti vibration mounts	€	1.206,-	1.206,-	1.206,-	1.206,-	1.206,-	1.206,-
83	External tank without cabinet (500 l)	€	2.972,-	2.972,-	2.972,-	2.972,-	2.972,-	2.972,-
84	External tank without cabinet (1000 l)	€	3.968,-	3.968,-	3.968,-	3.968,-	3.968,-	3.968,-
87	External tank with cabinet (500 l)	€	4.374,-	4.374,-	4.374,-	4.374,-	4.374,-	4.374,-
88	External tank with cabinet (1000 l)	€	5.604,-	5.604,-	5.604,-	5.604,-	5.604,-	5.604,-
Communication cards / Accessories								
EKCM200J	BMS card (ModBUS-RTU)	€	299,-	299,-	299,-	299,-	299,-	299,-
EKCMBA0MSTP	BMS card (BacNet/ MSTP)	€	357,-	357,-	357,-	357,-	357,-	357,-
EKCMML0N	BMS card (LonWorks)	€	348,-	348,-	348,-	348,-	348,-	348,-

EWAQ-G-XR

High efficiency rating, reduced noise level



Type of unit (rated power in accordance with EN14511)	EWAQ-G-XR	080	090	105	115	130	150
Price	€	23.384,-	25.131,-	27.314,-	28.746,-	31.064,-	33.399,-
Commissioning ordered from DAIKIN is mandatory		Price on request on project quotation based					
Cooling capacity	kW	76,0	86,0	100	110	125	141
Power input	kW	26,4	29,9	34,7	39,0	43,3	49,8
Refrigerant circuit		1	1	1	1	1	1
Compressors		2	2	2	2	2	2
EER		2,88	2,88	2,89	2,83	2,88	2,83
ESEER		4,18	4,29	4,27	4,21	4,31	4,33
Length	mm	2.860	3.200	3.200	3.200	3.800	3.800
Width	mm	1.195	1.195	1.195	1.195	1.195	1.195
Height	mm	1.800	1.800	1.800	1.800	1.820	1.820
Weight of unit / Operating weight	kg	764/774	880/890	1.050/1.065	1.021/1.037	1.116/1.132	1.153/1.174
Sound power / Sound pressure (at 1m)	dB(A)	80/62	82/65	84/66	86/68	86/67	86/67
Buffer tank volume / option (OP 134/135/136/137)	liter	75	175	175	175	250	250

Optional accessories for chiller:

Code	Type of unit	EWAQ-G-XR	080	090	105	115	130	150
Mechanical								
20	Evaporator victaulic kit	€	Standard					
29	20mm evaporator insulation	€	Standard					
01a	Total heat recovery (including expansion card po1965)	€	3.041,-	3.041,-	3.055,-	3.325,-	3.325,-	3.325,-
03	Partial heat recovery	€	1.100,-	1.100,-	1.100,-	1.121,-	1.121,-	1.313,-
08	Brine version	€	467,-	467,-	467,-	467,-	467,-	467,-
126	Discharge and suction line shut-off valve	€	778,-	778,-	778,-	778,-	778,-	778,-
127	High and low pressure side manometers	€	254,-	254,-	254,-	254,-	254,-	254,-
138	Condenser coil guard	€	467,-	507,-	507,-	507,-	635,-	635,-
78	One centrifugal pump (low lift)	€	2.284,-	2.386,-	2.386,-	2.386,-	2.639,-	2.639,-
79	One centrifugal pump (high lift)	€	2.791,-	2.893,-	2.893,-	2.893,-	3.079,-	3.079,-
80	Two centrifugal pump (low lift)	€	3.777,-	3.777,-	3.777,-	3.777,-	4.043,-	4.043,-
81	Two centrifugal pump (high lift)	€	4.432,-	4.517,-	4.517,-	4.517,-	4.644,-	4.644,-
134	One centrifugal pump (low lift) + tank	€	3.596,-	4.019,-	4.019,-	4.019,-	4.273,-	4.273,-
135	One centrifugal pump (high lift) + tank	€	4.103,-	4.534,-	4.534,-	4.534,-	4.720,-	4.720,-
136	Two centrifugal pump (low lift) + tank	€	5.599,-	5.667,-	5.667,-	5.667,-	5.863,-	5.863,-
137	Two centrifugal pump (high lift) + tank	€	6.119,-	6.204,-	6.204,-	6.204,-	6.303,-	6.387,-
91	Double pressure relief valve with diverter	€	930,-	930,-	930,-	930,-	930,-	930,-
139	E-coating microchannel coils	€	1.172,-	1.532,-	1.532,-	1.532,-	1.945,-	1.945,-
115	Water filter	€	489,-	489,-	489,-	489,-	489,-	489,-
Electrical / Control								
04	Direct on line starter (dol)	€	Standard					
10	Double setpoint	€	Standard					
57	Evaporator electric heater	€	Standard					
60	Electronic expansion valve	€	Standard					
67	Ambient outside temperature sensor and setpoint reset	€	Standard					
68	Hour run meter	€	Standard					
69	General fault contactor	€	Standard					
97	Main switch interlock door	€	Standard					
128	Master/Slave	€	Standard					
06	Soft starter	€	1.679,-	1.679,-	1.679,-	1.679,-	1.737,-	1.878,-
15a	Control expansion pack including (under / over voltage control, setpoint reset, demand limit, alarm from external device, expansion card po1965)	€	383,-	383,-	383,-	383,-	383,-	383,-
17	Capacitors for power factor correction	€	648,-	648,-	648,-	648,-	648,-	720,-
58	Evaporator flow switch	€	219,-	219,-	219,-	219,-	219,-	219,-
95	Compressors circuit breakers	€	297,-	309,-	321,-	321,-	321,-	364,-
96	Fans circuit breakers	€	168,-	168,-	168,-	168,-	168,-	168,-
Installation								
75	Rubber anti vibration mounts	€	385,-	385,-	385,-	385,-	385,-	385,-
77	Spring anti vibration mounts	€	1.206,-	1.206,-	1.206,-	1.206,-	1.206,-	1.206,-
83	External tank without cabinet (500 l)	€	2.972,-	2.972,-	2.972,-	2.972,-	2.972,-	2.972,-
84	External tank without cabinet (1000 l)	€	3.968,-	3.968,-	3.968,-	3.968,-	3.968,-	3.968,-
87	External tank with cabinet (500 l)	€	4.374,-	4.374,-	4.374,-	4.374,-	4.374,-	4.374,-
88	External tank with cabinet (1000 l)	€	5.604,-	5.604,-	5.604,-	5.604,-	5.604,-	5.604,-
Communication cards / Accessories								
EKCM200J	BMS card (ModBUS-RTU)	€	299,-	299,-	299,-	299,-	299,-	299,-
EKCBACMSTP	BMS card (BacNet/ MSTP)	€	357,-	357,-	357,-	357,-	357,-	357,-
EKMLON	BMS card (LonWorks)	€	348,-	348,-	348,-	348,-	348,-	348,-

EWYQ-G-XS

High efficiency rating, standard noise level

- › Compact design
- › Partial and total heat recovery option available
- › Stainless steel plate heat exchanger
- › MicroTech III controller with superior control logic and easy interface



Type of unit (rated power in accordance with EN14511)	EWYQ-G-XS	075	085	100	110	120	140	160	
Price	€	22.162,-	24.339,-	27.021,-	29.474,-	31.095,-	34.213,-	36.798,-	
Commissioning ordered from DAIKIN is mandatory									
Price on request on project quotation based									
Cooling capacity	kW	77,8	88,1	101	117	127	147	165	
Power input (cooling)	kW	27,0	31,5	36,0	39,5	44,7	50,2	57,8	
Heating capacity	kW	82,2	91,2	110	127	138	156	170	
Power input (heating)	kW	26,0	29,0	34,0	39,0	43,0	50,0	54,0	
Refrigerant circuit		1	1	1	1	1	1	1	
Compressors		2	2	2	2	2	2	2	
EER		2,88	2,80	2,81	2,97	2,84	2,92	2,85	
ESEER		3,9	3,94	3,97	4,03	3,92	3,96	3,96	
COP		3,14	3,12	3,24	3,25	3,2	3,11	3,13	
Length x Width x Height	mm	2.826 x 1.195 x 1.800			3.426 x 1.195 x 1.800		4.026 x 1.195 x 1.800		
Weight of unit / Operating weight	kg	850/858	912/921	1.077/1.088	1.183/1.194	1.213/1.224	1.333/1.344	1.394/1.411	
Space heating Average climate water outlet 35°C	ns (Seasonal space heating efficiency) SCOP	%	131	129	142	140	142	138	140
Sound power / Sound pressure (at 1m)	dB(A)	84/ 66	85/ 68	87/ 70	89/71	89/71	89/71	89/71	
Buffer tank volume / option (OP 134/135/136/137)	liter	75	175	175	175	250	250	250	

Optional accessories for chiller:

Code	Type of unit	EWYQ-G-XS	075	085	100	110	120	140	160
Mechanical									
20	Evaporator victaulic kit	€							
29	20mm evaporator insulation	€				Standard			
49	Alucoat fins coil	€							
03	Partial heat recovery	€	1.111,-	1.111,-	1.111,-	1.132,-	1.132,-	1.326,-	1.326,-
08	Brine version	€	471,-	471,-	471,-	471,-	471,-	471,-	471,-
126	Discharge and suction line shut-off valve	€	786,-	786,-	786,-	786,-	786,-	786,-	786,-
127	High and low pressure side manometers	€	256,-	256,-	256,-	256,-	256,-	256,-	256,-
138	Condenser coil guard	€	471,-	471,-	471,-	512,-	512,-	642,-	642,-
78	One centrifugal pump (low lift)	€	2.306,-	2.306,-	2.306,-	2.409,-	2.409,-	2.665,-	2.665,-
79	One centrifugal pump (high lift)	€	2.818,-	2.818,-	2.818,-	2.921,-	2.921,-	3.109,-	3.109,-
80	Two centrifugal pump (low lift)	€	3.814,-	3.814,-	3.814,-	3.814,-	3.814,-	4.083,-	4.083,-
81	Two centrifugal pump (high lift)	€	4.476,-	4.476,-	4.476,-	4.561,-	4.561,-	4.690,-	4.690,-
134	One centrifugal pump (low lift) + tank	€	3.631,-	3.631,-	3.631,-	4.059,-	4.059,-	4.315,-	4.315,-
135	One centrifugal pump (high lift) + tank	€	4.144,-	4.144,-	4.144,-	4.578,-	4.578,-	4.766,-	4.766,-
136	Two centrifugal pump (low lift) + tank	€	5.654,-	5.654,-	5.654,-	5.723,-	5.723,-	5.921,-	5.921,-
137	Two centrifugal pump (high lift) + tank	€	6.179,-	6.179,-	6.179,-	6.265,-	6.265,-	6.449,-	6.449,-
91	Double pressure relief valve with diverter	€	939,-	939,-	939,-	939,-	939,-	939,-	939,-
115	Water filter	€	494,-	494,-	494,-	494,-	494,-	494,-	494,-
114	Nordic kit	€	939,-	939,-	939,-	1.111,-	1.111,-	1.281,-	1.281,-
Electrical / Control									
04	Direct on line starter (dol)	€							
10	Double setpoint	€							
57	Evaporator electric heater	€							
60	Electronic expansion valve	€							
67	Ambient outside temperature sensor and setpoint reset	€				Standard			
68	Hour run meter	€							
69	General fault contactor	€							
97	Main switch interlock door	€							
128	Master/Slave	€							
06	Soft starter	€	1.696,-	1.696,-	1.696,-	1.696,-	1.754,-	1.896,-	2.038,-
15a	Control expansion pack including (under / over voltage control, setpoint reset, demand limit, alarm from external device, expansion card pol965)	€	386,-	386,-	386,-	386,-	386,-	386,-	386,-
17	Capacitors for power factor correction	€	655,-	655,-	655,-	655,-	655,-	727,-	854,-
58	Evaporator flow switch	€	221,-	221,-	221,-	221,-	221,-	221,-	221,-
95	Compressors circuit breakers	€	300,-	312,-	324,-	324,-	324,-	368,-	410,-
96	Fans circuit breakers	€	170,-	170,-	170,-	170,-	170,-	170,-	170,-
Installation									
75	Rubber anti vibration mounts	€	388,-	388,-	388,-	388,-	388,-	388,-	388,-
77	Spring anti vibration mounts	€	1.218,-	1.218,-	1.218,-	1.218,-	1.218,-	1.218,-	1.218,-
83	External tank without cabinet (500 l)	€	3.002,-	3.002,-	3.002,-	3.002,-	3.002,-	3.002,-	3.002,-
84	External tank without cabinet (1000 l)	€	4.008,-	4.008,-	4.008,-	4.008,-	4.008,-	4.008,-	4.008,-
87	External tank with cabinet (500 l)	€	4.418,-	4.418,-	4.418,-	4.418,-	4.418,-	4.418,-	4.418,-
88	External tank with cabinet (1000 l)	€	5.659,-	5.659,-	5.659,-	5.659,-	5.659,-	5.659,-	5.659,-
Communication cards / Accessories									
EKCM200J	BMS card (ModBUS-RTU)	€	299,-	299,-	299,-	299,-	299,-	299,-	299,-
EKCMBA3MSTP	BMS card (BacNet/ MSTP)	€	357,-	357,-	357,-	357,-	357,-	357,-	357,-
EKCMMLON	BMS card (LonWorks)	€	348,-	348,-	348,-	348,-	348,-	348,-	348,-

EWYQ-G-XR

High efficiency rating, reduced noise level



Type of unit (rated power in accordance with EN14511)	EWYQ-G-XR	075	085	100	110	120	140	160		
Price	€	23.426,-	25.706,-	28.517,-	31.023,-	32.722,-	36.041,-	38.625,-		
Commissioning ordered from DAIKIN is mandatory										
Price on request on project quotation based										
Cooling capacity	kW	75,2	84,5	95	111	120	139	155		
Power input	kW	27,7	32,7	38,6	41,5	47,4	52,8	61,5		
Heating capacity	kW	82,2	91,2	110	127	138	156	170		
Power input (heating)	kW	26	29	34	39	43	50	54		
Refrigerant circuit		1	1	1	1	1	1	1		
Compressors		2	2	2	2	2	2	2		
EER		2,71	2,59	2,46	2,68	2,52	2,64	2,51		
ESEER		3,85	3,9	3,79	3,92	3,76	3,86	3,79		
COP		3,14	3,12	3,24	3,25	3,2	3,11	3,13		
Length x Width x Height	mm	2.826 x 1.195 x 1.800			3.426 x 1.195 x 1.800		4.026 x 1.195 x 1.800			
Weight of unit / Operating weight	kg	880/888	942/951	1.107/1.118	1.233/1.224	1.243/1.254	1.363/1.374	1.424/1.441		
Space heating	Average climate water outlet 35°C	ηs (Seasonal space heating efficiency) SCOP	%	131	129	142	140	142	138	140
Sound power / Sound pressure (at 1m)	dB(A)	80/62	82/65	84/66	86/68	86/68	86/67	86/67		
Buffer tank volume / option (OP 134/135/136/137)	liter	75	175	175	175	250	250	250		

Optional accessories for chiller:

Code	Type of unit	EWYQ-G-XR	075	085	100	110	120	140	160
Mechanical									
20	Evaporator victaulic kit	€							
29	20mm evaporator insulation	€				Standard			
49	Alucoat fins coil	€							
03	Partial heat recovery	€	1.111,-	1.111,-	1.111,-	1.132,-	1.132,-	1.326,-	1.326,-
08	Brine version	€	471,-	471,-	471,-	471,-	471,-	471,-	471,-
126	Discharge and suction line shut-off valve	€	786,-	786,-	786,-	786,-	786,-	786,-	786,-
127	High and low pressure side manometers	€	256,-	256,-	256,-	256,-	256,-	256,-	256,-
138	Condenser coil guard	€	471,-	471,-	471,-	512,-	512,-	642,-	642,-
78	One centrifugal pump (low lift)	€	2.306,-	2.306,-	2.306,-	2.409,-	2.409,-	2.665,-	2.665,-
79	One centrifugal pump (high lift)	€	2.818,-	2.818,-	2.818,-	2.921,-	2.921,-	3.109,-	3.109,-
80	Two centrifugal pump (low lift)	€	3.814,-	3.814,-	3.814,-	3.814,-	3.814,-	4.083,-	4.083,-
81	Two centrifugal pump (high lift)	€	4.476,-	4.476,-	4.476,-	4.561,-	4.561,-	4.690,-	4.690,-
134	One centrifugal pump (low lift) + tank	€	3.631,-	3.631,-	3.631,-	4.059,-	4.059,-	4.315,-	4.315,-
135	One centrifugal pump (high lift) + tank	€	4.144,-	4.144,-	4.144,-	4.578,-	4.578,-	4.766,-	4.766,-
136	Two centrifugal pump (low lift) + tank	€	5.654,-	5.654,-	5.654,-	5.723,-	5.723,-	5.921,-	5.921,-
137	Two centrifugal pump (high lift) + tank	€	6.179,-	6.179,-	6.179,-	6.265,-	6.265,-	6.449,-	6.449,-
91	Double pressure relief valve with diverter	€	939,-	939,-	939,-	939,-	939,-	939,-	939,-
115	Water filter	€	494,-	494,-	494,-	494,-	494,-	494,-	494,-
114	Nordic kit	€	939,-	939,-	939,-	1.111,-	1.111,-	1.281,-	1.281,-
Electrical / Control									
04	Direct on line starter (dol)	€							
10	Double setpoint	€							
57	Evaporator electric heater	€							
60	Electronic expansion valve	€							
67	Ambient outside temperature sensor and setpoint reset	€				Standard			
68	Hour run meter	€							
69	General fault contactor	€							
97	Main switch interlock door	€							
128	Master/Slave	€							
06	Soft starter	€	1.696,-	1.696,-	1.696,-	1.696,-	1.754,-	1.896,-	2.038,-
15a	Control expansion pack including (under / over voltage control, setpoint reset, demand limit, alarm from external device, expansion card pol965)	€	386,-	386,-	386,-	386,-	386,-	386,-	386,-
17	Capacitors for power factor correction	€	655,-	655,-	655,-	655,-	655,-	727,-	854,-
58	Evaporator flow switch	€	221,-	221,-	221,-	221,-	221,-	221,-	221,-
95	Compressors circuit breakers	€	300,-	312,-	324,-	324,-	324,-	368,-	410,-
96	Fans circuit breakers	€	170,-	170,-	170,-	170,-	170,-	170,-	170,-
Installation									
75	Rubber anti vibration mounts	€	388,-	388,-	388,-	388,-	388,-	388,-	388,-
77	Spring anti vibration mounts	€	1.218,-	1.218,-	1.218,-	1.218,-	1.218,-	1.218,-	1.218,-
83	External tank without cabinet (500 l)	€	3.002,-	3.002,-	3.002,-	3.002,-	3.002,-	3.002,-	3.002,-
84	External tank without cabinet (1000 l)	€	4.008,-	4.008,-	4.008,-	4.008,-	4.008,-	4.008,-	4.008,-
87	External tank with cabinet (500 l)	€	4.418,-	4.418,-	4.418,-	4.418,-	4.418,-	4.418,-	4.418,-
88	External tank with cabinet (1000 l)	€	5.659,-	5.659,-	5.659,-	5.659,-	5.659,-	5.659,-	5.659,-
Communication cards / Accessories									
EKCM200J	BMS card (ModBUS-RTU)	€	299,-	299,-	299,-	299,-	299,-	299,-	299,-
EKCM8ACMSTP	BMS card (BacNet/ MSTP)	€	357,-	357,-	357,-	357,-	357,-	357,-	357,-
EKCM1LON	BMS card (LonWorks)	€	348,-	348,-	348,-	348,-	348,-	348,-	348,-

EWAT-B- Multi scroll Air cooled chiller with R-32 refrigerant



EWAT-B- at a glance

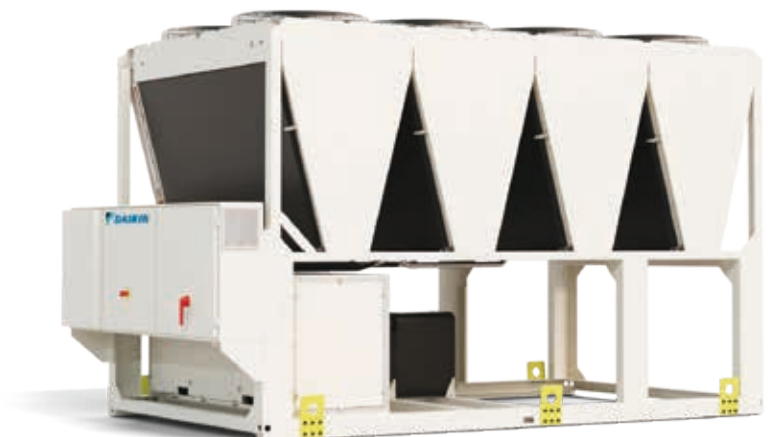
BLUEVOLUTION

- Wide capacity range: 80 – 700 kW
- Silver and Gold efficiency versions
- 3 sound configurations
- Full compatibility with Daikin on Site
- New Hydronic Kit configurations (single and twin pump, inertial tank, VFD)
- Single and dual circuit version overlapping between 150 kW and 350 kW
- Extensive option lists
- Fan speed modulation option (VFD)

Single V



Modular V



NEW EWAT-B-SS

Standard efficiency rating, standard noise level

- › R-32 refrigerant with low GWP. Reduced amount of refrigerant tanks to micro channel heat exchanger technology
- › One or two independent refrigerant circuits (2 or 4 scroll compressors) with single evaporator
- › Wide capacity range: 80 - 700 kW ("Single V" layout up to 210 kW, "Multi V" layout up to 700 kW)
- › Two efficiency level and 3 sound configurations Free cooling migration options available for Multi V models⁽¹⁾
- › Partial and total heat recovery option available
- › Stainless steel plate heat exchanger optimized for R-32 refrigerant operation
- › MicroTech III controller with superior control logic and easy interface



Type of unit (rated power in accordance with EN14511)	EWAT -B-SS	85	115	135	155	175	195	205
Price	€	17.647,-	20.948,-	23.424,-	29.352,-	27.851,-	34.085,-	47.175,-
Commissioning ordered from DAIKIN is mandatory								
	€	Price on request on project quotation based						
Cooling capacity	kW	81	109	131	158	175	191	210
Power input	kW	31,8	38,5	49,8	61,8	67,7	69,4	79,8
Refrigerant circuit		1	1	1	2	1	2	2
Compressors		2	2	2	4	2	4	4
EER		2,55	2,82	2,64	2,55	2,58	2,75	2,63
ESEER(+opt FANMOD) ⁽²⁾		3,96	4,03	3,86	3,83	4,09	4	3,94
Length x Width x Height	mm	2.120x1.204x1.801	2.660x1.204x1.801	2.660x1.204x1.801	3.570x1.204x1.822	3.180x1.204x1.801	4.170x1.204x1.822	4.170x1.204x1.822
Weight of unit / Operating weight	kg	681/686	767/773	811/821	1.007/1.014	984/996	1.166/1.177	1.158/1.169
Sound power / Sound pressure (at 1m)	dB(A)	85/67	88/71	90/72	88/70	92/74	90/71	91/72
Buffer tank volume / option (OP 134/135/136/137)	liter	50	145	145	190	190	250	250

Optional accessories for chiller:

Code	Type of unit	EWAT -B-SS	85	115	135	155	175	195	205
Mechanical									
01	Total heat recovery	€	n/a	4.059,-	5.160,-	6.302,-	6.302,-	7.354,-	8.188,-
03A	Partial heat recovery with control	€		1.642,-	2.193,-	3.027,-	2.193,-	3.027,-	3.027,-
08	Brine version	€	338,-	338,-	338,-	338,-	338,-	338,-	338,-
20	Evaporator victaulic kit	€							
						Standard			
21	Evaporator flange kit	€	179,-	179,-	179,-	179,-	179,-	179,-	179,-
29	20mm evaporator insulation	€	338,-	338,-	338,-	338,-	338,-	338,-	338,-
78	One centrifugal pump (low lift)	€	2.794,-	2.918,-	2.918,-	3.102,-	3.102,-	3.225,-	3.225,-
79	One centrifugal pump (high lift)	€	3.409,-	3.538,-	3.538,-	3.538,-	3.538,-	3.762,-	3.762,-
80	Two centrifugal pump (low lift)	€	4.614,-	4.614,-	4.614,-	4.754,-	4.754,-	4.942,-	4.942,-
81	Two centrifugal pump (high lift)	€	5.414,-	5.523,-	5.523,-	5.523,-	5.523,-	5.672,-	5.672,-
91	Double pressure relief valve with diverter	€	1.141,-	1.141,-	1.141,-	1.697,-	1.141,-	1.697,-	1.697,-
115	Water filter	€	317,-	317,-	317,-	383,-	317,-	383,-	383,-
121	Refrigerant leak detection	€	1.245,-	1.245,-	1.245,-	1.245,-	1.245,-	1.245,-	1.245,-
126	Discharge and suction line shut-off valve	€	953,-	953,-	953,-	1.905,-	953,-	1.905,-	1.905,-
127	High and low pressure side manometers	€	312,-	312,-	312,-	625,-	312,-	625,-	625,-
134	One centrifugal pump (low lift) + tank	€	4.391,-	4.912,-	4.912,-	5.106,-	5.106,-	5.220,-	5.220,-
135	One centrifugal pump (high lift) + tank	€	5.012,-	5.543,-	5.543,-	5.543,-	5.543,-	5.766,-	5.766,-
136	Two centrifugal pump (low lift) + tank	€	6.838,-	6.927,-	6.927,-	7.027,-	7.027,-	7.160,-	7.160,-
137	Two centrifugal pump (high lift) + tank	€	7.473,-	7.583,-	7.583,-	7.583,-	7.583,-	7.801,-	7.801,-
139	E-coating microchannel coils	€	953,-	1.429,-	1.429,-	1.905,-	1.905,-	2.382,-	2.382,-
140	Unit guards (to cover unit access)	€	546,-	596,-	596,-	645,-	645,-	695,-	695,-
Electrical / Control									
04	Direct on line starter (dol)	€							
						Standard			
06	Soft starter	€	2.228,-	2.640,-	2.953,-	3.702,-	3.513,-	4.297,-	4.719,-
10	Double setpoint	€							
						Standard			
15	Under / over voltage control	€	288,-	288,-	288,-	288,-	288,-	288,-	288,-
16	Energy meter	€		n/a		1.514,-	n/a	1.514,-	1.514,-
17B	Capacitors for power factor correction (single-v)	€	596,-	633,-	671,-	1.191,-	802,-	1.229,-	1.267,-
57	Evaporator electric heater	€							
						Standard			
58	Evaporator flow switch	€	357,-	357,-	357,-	357,-	357,-	357,-	357,-
60	Electronic expansion valve	€							
67	Ambient outside temperature sensor and setpoint reset	€							
68	Hour run meter	€							
						Standard			
69	General fault contactor	€							
70	Alarm from external device	€							
95	Compressors circuit breakers	€	367,-	412,-	457,-	734,-	561,-	779,-	824,-

Air cooled chiller

Optional accessories for chiller:

Code	Type of unit	EWAT -B-SS	85	115	135	155	175	195	205
96	Fans circuit breakers	€	213,-	213,-	213,-	213,-	213,-	213,-	213,-
97	Main switch interlock door	€							
99	Fans speed regulation (+ fan silent mode)	€							
							Standard		
120e	Inverter kit for 1 centr pump low lift	€	942,-	1.022,-	1.022,-	1.181,-	1.181,-	1.181,-	1.181,-
120f	Inverter kit for 1 centr pump high lift	€	1.181,-	1.181,-	1.181,-	1.181,-	1.181,-	1.181,-	1.181,-
128	Master/slave	€							
							Standard		
142A	High ambient kit	€	715,-	903,-	903,-	1.091,-	1.091,-	1.280,-	1.280,-
143	Variable primary flow	€	1.935,-	1.935,-	1.935,-	1.935,-	1.935,-	1.935,-	1.935,-
144	Diff pressure transd (shipped loose)	€	1.732,-	1.732,-	1.732,-	1.732,-	1.732,-	1.732,-	1.732,-
155	Daikin on site modem (with antenna)	€	913,-	913,-	913,-	913,-	913,-	913,-	913,-
160	100 pa esp fans	€	417,-	606,-	606,-	794,-	794,-	982,-	982,-

Installation

75	Rubber anti vibration mounts	€	466,-	466,-	466,-	466,-	466,-	466,-	466,-
77	Spring anti vibration mounts	€	1.469,-	1.469,-	1.469,-	1.469,-	1.469,-	1.469,-	1.469,-
83	External tank without cabinet (500 l)	€	3.632,-	3.632,-	3.632,-	3.632,-	3.632,-	3.632,-	3.632,-
84	External tank without cabinet (1000 l)	€	4.848,-	4.848,-	4.848,-	4.848,-	4.848,-	4.848,-	4.848,-
87	External tank with cabinet (500 l)	€	5.344,-	5.344,-	5.344,-	5.344,-	5.344,-	5.344,-	5.344,-
88	External tank with cabinet (1000 l)	€	6.843,-	6.843,-	6.843,-	6.843,-	6.843,-	6.843,-	6.843,-
Communication cards / Accessories									
EKCM200J	BMS card (ModBUS-RTU)	€	299,-	299,-	299,-	299,-	299,-	299,-	299,-
EKCM8ACMSTP	BMS card (BacNet/ MSTP)	€	357,-	357,-	357,-	357,-	357,-	357,-	357,-
EKCM1LON	BMS card (LonWorks)	€	348,-	348,-	348,-	348,-	348,-	348,-	348,-

(1) Check the databook for Multi V models; (2) Option FANMOD consist in Continuous Fan Speed Regulation and improves part load operation, Single-V units are standardly equipped with continuous fan control, Modular-V units require opt 99a – VFD fans

NEW EWAT-B-SL

Standard efficiency rating, low noise level



Type of unit (rated power in accordance with EN14511)	EWAT -B-SL	85	115	135	155	175	195	205
Price	€	18.002,-	21.369,-	23.894,-	29.942,-	28.410,-	34.771,-	48.123,-
Commissioning ordered from DAIKIN is mandatory		Price on request on project quotation based						
Cooling capacity	kW	81	109	131	158	175	191	210
Power input	kW	31,8	38,5	49,8	61,8	67,7	69,4	79,8
Refrigerant circuit		1	1	1	2	1	2	2
Compressors		2	2	2	4	2	4	4
EER		2,55	2,82	2,64	2,55	2,58	2,75	2,63
ESEER(+opt FANMOD) ⁰		3,96	4,03	3,86	3,83	4,09	4	3,94
Length x Width x Height	mm	2.120x1.204x1.801	2.660x1.204x1.801	2.660x1.204x1.801	3.570x1.204x1.822	3.180x1.204x1.801	4.170x1.204x1.822	4.170x1.204x1.822
Weight of unit / Operating weight	kg	691/696	777/783	820/830	1.028/1.035	994/1.006	1.087/1.198	1.179/1.190
Sound power / Sound pressure (at 1m)	dB(A)	84/66	86/69	87/69	87/68	89/71	88/70	89/70
Buffer tank volume / option (OP 134/135/136/137)	liter	50	145	145	190	190	250	250

Optional accessories for chiller:

Code	Type of unit	EWAT -B-SL	85	115	135	155	175	195	205
Mechanical									
01	Total heat recovery	€	n/a	4.059,-	5.160,-	6.302,-	6.302,-	7.354,-	8.188,-
03A	Partial heat recovery with control	€	n/a	1.642,-	2.193,-	3.027,-	2.193,-	3.027,-	3.027,-
08	Brine version	€	338,-	338,-	338,-	338,-	338,-	338,-	338,-
20	Evaporator victaulic kit	€				Standard			
21	Evaporator flange kit	€	179,-	179,-	179,-	179,-	179,-	179,-	179,-
29	20mm evaporator insulation	€	338,-	338,-	338,-	338,-	338,-	338,-	338,-
78	One centrifugal pump (low lift)	€	2.794,-	2.918,-	2.918,-	3.102,-	3.102,-	3.225,-	3.225,-
79	One centrifugal pump (high lift)	€	3.409,-	3.538,-	3.538,-	3.538,-	3.538,-	3.762,-	3.762,-
80	Two centrifugal pump (low lift)	€	4.614,-	4.614,-	4.614,-	4.754,-	4.754,-	4.942,-	4.942,-
81	Two centrifugal pump (high lift)	€	5.414,-	5.523,-	5.523,-	5.523,-	5.523,-	5.672,-	5.672,-
91	Double pressure relief valve with diverter	€	1.141,-	1.141,-	1.141,-	1.697,-	1.141,-	1.697,-	1.697,-
115	Water filter	€	317,-	317,-	317,-	383,-	317,-	383,-	383,-
121	Refrigerant leak detection	€	1.245,-	1.245,-	1.245,-	1.245,-	1.245,-	1.245,-	1.245,-
126	Discharge and suction line shut-off valve	€	953,-	953,-	953,-	1.905,-	953,-	1.905,-	1.905,-
127	High and low pressure side manometers	€	312,-	312,-	312,-	625,-	312,-	625,-	625,-
134	One centrifugal pump (low lift) + tank	€	4.391,-	4.912,-	4.912,-	5.106,-	5.106,-	5.220,-	5.220,-
135	One centrifugal pump (high lift) + tank	€	5.012,-	5.543,-	5.543,-	5.543,-	5.543,-	5.766,-	5.766,-
136	Two centrifugal pump (low lift) + tank	€	6.838,-	6.927,-	6.927,-	7.027,-	7.027,-	7.160,-	7.160,-
137	Two centrifugal pump (high lift) + tank	€	7.473,-	7.583,-	7.583,-	7.583,-	7.583,-	7.801,-	7.801,-
139	E-coating microchannel coils	€	953,-	1.429,-	1.429,-	1.905,-	1.905,-	2.382,-	2.382,-
140	Unit guards (to cover unit access)	€	546,-	596,-	596,-	645,-	645,-	695,-	695,-
Electrical / Control									
04	Direct on line starter (dol)	€				Standard			
06	Soft starter	€	2.228,-	2.640,-	2.953,-	3.702,-	3.513,-	4.297,-	4.719,-
10	Double setpoint	€				Standard			
15	Under / over voltage control	€	288,-	288,-	288,-	288,-	288,-	288,-	288,-
16	Energy meter	€		n/a		1.514,-	n/a	1.514,-	1.514,-
17B	Capacitors for power factor correction (single-v)	€	596,-	633,-	671,-	1.191,-	802,-	1.229,-	1.267,-
57	Evaporator electric heater	€				Standard			
58	Evaporator flow switch	€	357,-	357,-	357,-	357,-	357,-	357,-	357,-
60	Electronic expansion valve	€							
67	Ambient outside temperature sensor and setpoint reset	€							
68	Hour run meter	€				Standard			
69	General fault contactor	€							
70	Alarm from external device	€							
95	Compressors circuit breakers	€	367,-	412,-	457,-	734,-	561,-	779,-	824,-
96	Fans circuit breakers	€	213,-	213,-	213,-	213,-	213,-	213,-	213,-

Air cooled chiller

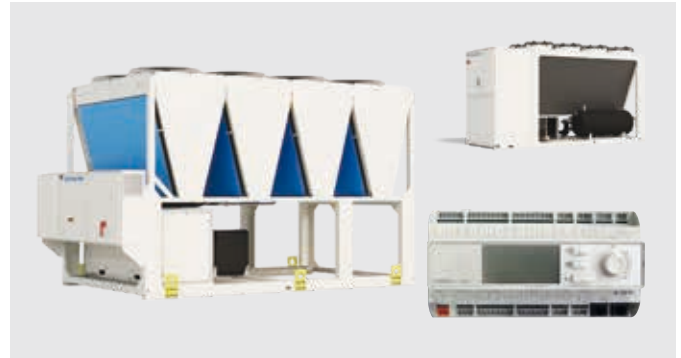
Optional accessories for chiller:

Code	Type of unit	EWAT -B-SL	85	115	135	155	175	195	205
97	Main switch interlock door	€							
99	Fans speed regulation (+ fan silent mode)	€	Standard						
120e	Inverter kit for 1 centr pump low lift	€	942,-	1.022,-	1.022,-	1.181,-	1.181,-	1.181,-	1.181,-
120f	Inverter kit for 1 centr pump high lift	€	1.181,-	1.181,-	1.181,-	1.181,-	1.181,-	1.181,-	1.181,-
128	Master/slave	€	Standard						
142A	High ambient kit	€	715,-	903,-	903,-	1.091,-	1.091,-	1.280,-	1.280,-
143	Variable primary flow	€	1.935,-	1.935,-	1.935,-	1.935,-	1.935,-	1.935,-	1.935,-
144	Diff pressure transd (shipped loose)	€	1.732,-	1.732,-	1.732,-	1.732,-	1.732,-	1.732,-	1.732,-
155	Daikin on site modem (with antenna)	€	913,-	913,-	913,-	913,-	913,-	913,-	913,-
160	100 pa esp fans	€	417,-	606,-	606,-	794,-	794,-	982,-	982,-
Installation									
75	Rubber anti vibration mounts	€	466,-	466,-	466,-	466,-	466,-	466,-	466,-
77	Spring anti vibration mounts	€	1.469,-	1.469,-	1.469,-	1.469,-	1.469,-	1.469,-	1.469,-
83	External tank without cabinet (500 l)	€	3.632,-	3.632,-	3.632,-	3.632,-	3.632,-	3.632,-	3.632,-
84	External tank without cabinet (1000 l)	€	4.848,-	4.848,-	4.848,-	4.848,-	4.848,-	4.848,-	4.848,-
87	External tank with cabinet (500 l)	€	5.344,-	5.344,-	5.344,-	5.344,-	5.344,-	5.344,-	5.344,-
88	External tank with cabinet (1000 l)	€	6.843,-	6.843,-	6.843,-	6.843,-	6.843,-	6.843,-	6.843,-
Communication cards / Accessories									
EKCM200J	BMS card (ModBUS-RTU)	€	299,-	299,-	299,-	299,-	299,-	299,-	299,-
EKCMBA0MSTP	BMS card (BacNet/ MSTP)	€	357,-	357,-	357,-	357,-	357,-	357,-	357,-
EKCM0LON	BMS card (LonWorks)	€	348,-	348,-	348,-	348,-	348,-	348,-	348,-

(1) Option FANMOD consist in Continuous Fan Speed Regulation and improves part load operation, Single-V units are standardly equipped with continuous fan control, Modular-V units require opt 99a – VFD fans

NEW EWAT-B-SR

Standard efficiency rating, reduced noise level



Type of unit (rated power in accordance with EN14511)	EWAT -B-SR	85	115	135	155	175	195	205
Price	€	18.545,-	22.011,-	24.614,-	30.844,-	29.265,-	35.814,-	49.567,-
Commissioning ordered from DAIKIN is mandatory	€	Price on request on project quotation based						
Cooling capacity	kW	76	105	124	150	165	181	200
Power input	kW	33,8	40,3	53,1	66	72,8	73,2	84,6
Refrigerant circuit		1	1	1	2	1	2	2
Compressors		2	2	2	4	2	4	4
EER		2,26	2,6	2,33	2,27	2,26	2,47	2,36
ESEER(+opt FANMOD) ⁰		3,95	4,07	3,9	3,81	4,1	3,88	3,97
Length x Width x Height	mm	2.120x1.204x1.801	2.660x1.204x1.801	2.660x1.204x1.801	3.570x1.204x1.822	3.180x1.204x1.801	4.170x1.204x1.822	4.170x1.204x1.822
Weight of unit / Operating weight	kg	691/696	777/783	821/830	1.028/1.035	994/1.006	1.187/1.198	1.179/1.190
Sound power / Sound pressure (at 1m)	dB(A)	77/61	83/65	84/66	82/63	86/68	84/65	85/67
Buffer tank volume / option (OP 134/135/136/137)	liter	50	145	145	190	190	250	250

Optional accessories for chiller:

Code	Type of unit	EWAT -B-SR	85	115	135	155	175	195	205
Mechanical									
01	Total heat recovery	€	n/a	4.059,-	5.160,-	6.302,-	6.302,-	7.354,-	8.188,-
03A	Partial heat recovery with control	€	n/a	1.642,-	2.193,-	3.027,-	2.193,-	3.027,-	3.027,-
08	Brine version	€	338,-	338,-	338,-	338,-	338,-	338,-	338,-
20	Evaporator viciaulic kit	€	Standard						
21	Evaporator flange kit	€	179,-	179,-	179,-	179,-	179,-	179,-	179,-
29	20mm evaporator insulation	€	338,-	338,-	338,-	338,-	338,-	338,-	338,-
78	One centrifugal pump (low lift)	€	2.794,-	2.918,-	2.918,-	3.102,-	3.102,-	3.225,-	3.225,-
79	One centrifugal pump (high lift)	€	3.409,-	3.538,-	3.538,-	3.538,-	3.538,-	3.762,-	3.762,-
80	Two centrifugal pump (low lift)	€	4.614,-	4.614,-	4.614,-	4.754,-	4.754,-	4.942,-	4.942,-
81	Two centrifugal pump (high lift)	€	5.414,-	5.523,-	5.523,-	5.523,-	5.523,-	5.672,-	5.672,-
91	Double pressure relief valve with diverter	€	1.141,-	1.141,-	1.141,-	1.697,-	1.141,-	1.697,-	1.697,-
115	Water filter	€	317,-	317,-	317,-	383,-	317,-	383,-	383,-
121	Refrigerant leak detection	€	1.245,-	1.245,-	1.245,-	1.245,-	1.245,-	1.245,-	1.245,-
126	Discharge and suction line shut-off valve	€	953,-	953,-	953,-	1.905,-	953,-	1.905,-	1.905,-
127	High and low pressure side manometers	€	312,-	312,-	312,-	625,-	312,-	625,-	625,-
134	One centrifugal pump (low lift) + tank	€	4.391,-	4.912,-	4.912,-	5.106,-	5.106,-	5.220,-	5.220,-
135	One centrifugal pump (high lift) + tank	€	5.012,-	5.543,-	5.543,-	5.543,-	5.543,-	5.766,-	5.766,-
136	Two centrifugal pump (low lift) + tank	€	6.838,-	6.927,-	6.927,-	7.027,-	7.027,-	7.160,-	7.160,-
137	Two centrifugal pump (high lift) + tank	€	7.473,-	7.583,-	7.583,-	7.583,-	7.583,-	7.801,-	7.801,-
139	E-coating microchannel coils	€	953,-	1.429,-	1.429,-	1.905,-	1.905,-	2.382,-	2.382,-
140	Unit guards (to cover unit access)	€	546,-	596,-	596,-	645,-	645,-	695,-	695,-
Electrical / Control									
04	Direct on line starter (dol)	€	Standard						
06	Soft starter	€	2.228,-	2.640,-	2.953,-	3.702,-	3.513,-	4.297,-	4.719,-
10	Double setpoint	€	Standard						
15	Under / over voltage control	€	288,-	288,-	288,-	288,-	288,-	288,-	288,-
16	Energy meter	€	n/a			1.514,-	n/a	1.514,-	1.514,-
17B	Capacitors for power factor correction (single-v)	€	596,-	633,-	671,-	1.191,-	802,-	1.229,-	1.267,-
57	Evaporator electric heater	€	Standard						
58	Evaporator flow switch	€	357,-	357,-	357,-	357,-	357,-	357,-	357,-
60	Electronic expansion valve	€	Standard						
67	Ambient outside temperature sensor and setpoint reset	€	Standard						
68	Hour run meter	€	Standard						
69	General fault contactor	€	Standard						
70	Alarm from external device	€	Standard						
95	Compressors circuit breakers	€	367,-	412,-	457,-	734,-	561,-	779,-	824,-
96	Fans circuit breakers	€	213,-	213,-	213,-	213,-	213,-	213,-	213,-

Air cooled chiller

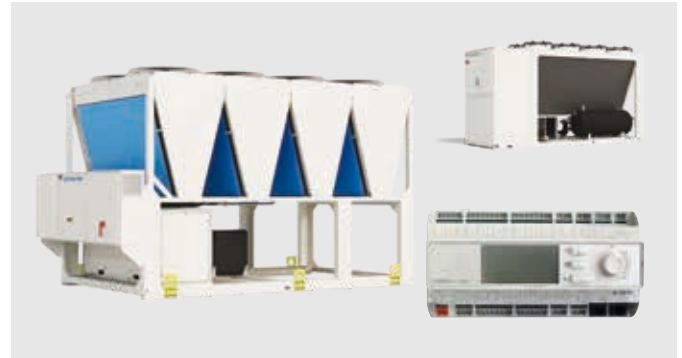
Optional accessories for chiller:

Code	Type of unit	EWAT - B - SR	85	115	135	155	175	195	205
97	Main switch interlock door	€							
99	Fans speed regulation (+ fan silent mode)	€				Standard			
120e	Inverter kit for 1 centr pump low lift	€	942,-	1.022,-	1.022,-	1.181,-	1.181,-	1.181,-	1.181,-
120f	Inverter kit for 1 centr pump high lift	€	1.181,-	1.181,-	1.181,-	1.181,-	1.181,-	1.181,-	1.181,-
128	Master/slave	€				Standard			
142A	High ambient kit	€	715,-	903,-	903,-	1.091,-	1.091,-	1.280,-	1.280,-
143	Variable primary flow	€	1.935,-	1.935,-	1.935,-	1.935,-	1.935,-	1.935,-	1.935,-
144	Diff pressure transd (shipped loose)	€	1.732,-	1.732,-	1.732,-	1.732,-	1.732,-	1.732,-	1.732,-
155	Daikin on site modem (with antenna)	€	913,-	913,-	913,-	913,-	913,-	913,-	913,-
Installation									
75	Rubber anti vibration mounts	€	466,-	466,-	466,-	466,-	466,-	466,-	466,-
77	Spring anti vibration mounts	€	1.469,-	1.469,-	1.469,-	1.469,-	1.469,-	1.469,-	1.469,-
83	External tank without cabinet (500 l)	€	3.632,-	3.632,-	3.632,-	3.632,-	3.632,-	3.632,-	3.632,-
84	External tank without cabinet (1000 l)	€	4.848,-	4.848,-	4.848,-	4.848,-	4.848,-	4.848,-	4.848,-
87	External tank with cabinet (500 l)	€	5.344,-	5.344,-	5.344,-	5.344,-	5.344,-	5.344,-	5.344,-
88	External tank with cabinet (1000 l)	€	6.843,-	6.843,-	6.843,-	6.843,-	6.843,-	6.843,-	6.843,-
Communication cards / Accessories									
EKCM200J	BMS card (ModBUS-RTU)	€	299,-	299,-	299,-	299,-	299,-	299,-	299,-
EKCM8ACMSTP	BMS card (BacNet/ MSTP)	€	357,-	357,-	357,-	357,-	357,-	357,-	357,-
EKCM1LON	BMS card (LonWorks)	€	348,-	348,-	348,-	348,-	348,-	348,-	348,-

(1) Option FANMOD consist in Continuous Fan Speed Regulation and improves part load operation, Single-V units are standardly equipped with continuous fan control, Modular-V units require opt 99a – VFD fans

NEW EWAT-B-XS

High efficiency rating, standard noise level



Type of unit (rated power in accordance with EN14511)	EWAT -B-XS	85	115	145	180	185	200
Price	€	21.960,-	25.161,-	28.934,-	37.725,-	32.530,-	51.725,-
Commissioning ordered from DAIKIN is mandatory		Price on request on project quotation based					
Cooling capacity	kW	88	114	143	179	182	200
Power input	kW	28,9	36,5	44,5	57,2	63,8	65,7
Refrigerant circuit		1	1	1	2	1	2
Compressors		2	2	2	4	2	4
EER		3,04	3,11	3,22	3,12	2,86	3,05
ESEER(+opt FANMOD) ¹⁾		4,07	4,23	4,19	4,3	4,05	4,13
Length x Width x Height	mm	2.660x1.204x1.801	3.180x1.204x1.801	3.780x1.204x1.822	2.326x2.236x2.540	3.780x1.204x1.822	2.326x2.236x2.540
Weight of unit / Operating weight	kg	737/742	830/836	949/958	1.633/1.644	1.066/1.078	1.663/1.674
Sound power / Sound pressure (at 1m)	dB(A)	86/68	89/71	91/72	91/72	92/74	93/73
Buffer tank volume / option (OP 134/135/136/137)	liter	145	190	190	300	250	300

Optional accessories for chiller:

Code	Type of unit	EWAT -B-XS	85	115	145	180	185	200
Mechanical								
01	Total heat recovery	€	3.717,-	4.059,-	5.160,-	6.302,-	6.302,-	7.354,-
03A	Partial heat recovery with control	€	1.642,-	1.642,-	2.193,-	3.027,-	2.193,-	3.027,-
08	Brine version	€	338,-	338,-	338,-	338,-	338,-	338,-
20	Evaporator victaulic kit	€	Standard					
21	Evaporator flange kit	€	179,-	179,-	179,-	239,-	179,-	239,-
29	20mm evaporator insulation	€	338,-	338,-	338,-	338,-	338,-	338,-
61	Discharge line shut-off valve	€				715,-		
62	Suction line shut-off valve	€				1.191,-		
63	High pressure side manometers	€	n/a			327,-	n/a	
64	Low pressure side manometers	€				327,-		
78	One centrifugal pump (low lift)	€	2.918,-	3.102,-	3.225,-	4.749,-	3.225,-	4.829,-
79	One centrifugal pump (high lift)	€	3.538,-	3.538,-	3.762,-	4.898,-	3.762,-	4.898,-
80	Two centrifugal pump (low lift)	€	4.614,-	4.754,-	4.942,-	6.769,-	4.942,-	6.769,-
81	Two centrifugal pump (high lift)	€	5.523,-	5.523,-	5.672,-	7.225,-	5.672,-	7.225,-
91	Double pressure relief valve with diverter	€	1.141,-	1.141,-	1.141,-	1.697,-	1.141,-	1.697,-
115	Water filter	€	317,-	317,-	317,-	383,-	317,-	383,-
121	Refrigerant leak detection	€	1.245,-	1.245,-	1.245,-			1.245,-
126	Discharge and suction line shut-off valve	€	953,-	953,-	953,-	n/a	953,-	n/a
127	High and low pressure side manometers	€	312,-	312,-	312,-			312,-
134	One centrifugal pump (low lift) + tank	€	4.912,-	5.106,-	5.220,-	6.957,-	5.220,-	7.036,-
135	One centrifugal pump (high lift) + tank	€	5.543,-	5.543,-	5.766,-	7.105,-	5.766,-	7.105,-
136	Two centrifugal pump (low lift) + tank	€	6.927,-	7.027,-	7.160,-	8.977,-	7.160,-	8.977,-
137	Two centrifugal pump (high lift) + tank	€	7.583,-	7.583,-	7.801,-	9.433,-	7.801,-	9.433,-
139	E-coating microchannel coils	€	1.429,-	1.905,-	2.382,-	3.752,-	2.382,-	3.752,-
140	Unit guards (to cover unit access)	€	596,-	645,-	695,-	1.727,-	695,-	1.727,-
141	Side panels on coil ends	€				476,-		
153	Blue coat	€				695,-		
171	Free cooling migration - light	€	n/a			13.398,-	n/a	
172	Free cooling migration - full	€				27.788,-		
173	Free cooling migration - full with hydro kit	€				30.765,-		
Electrical / Control								
04	Direct on line starter (dol)	€	Standard					
06	Soft starter	€	2.769,-	3.171,-	3.648,-	4.754,-	4.098,-	5.175,-
10	Double setpoint	€	Standard					
11	Compressor thermal overload relays	€	n/a			997,-	n/a	
15	Under / over voltage control	€	288,-	288,-	288,-	288,-	288,-	288,-
16	Energy meter	€				1.514,-		
17	Capacitors for power factor correction	€	n/a			1.191,-	n/a	
17B	Capacitors for power factor correction (single-v)	€	596,-	633,-	671,-	n/a	802,-	n/a
42	Speedtrol	€	n/a			1.926,-	n/a	
57	Evaporator electric heater	€	Standard					
58	Evaporator flow switch	€	357,-	357,-	357,-	447,-	357,-	447,-

Air cooled chiller

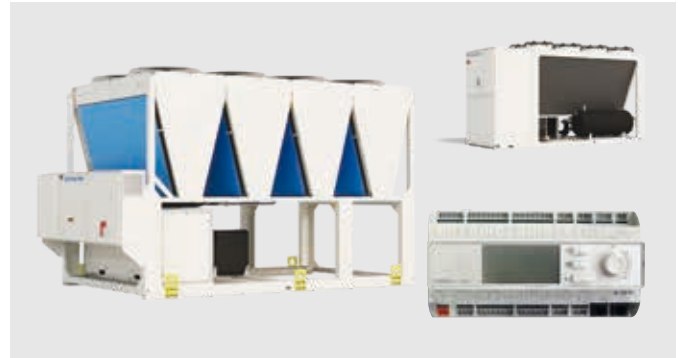
Optional accessories for chiller:

Code	Type of unit	EWAT - B-XS	85	115	145	180	185	200
60	Electronic expansion valve	€						
67	Ambient outside temperature sensor and setpoint reset	€						
68	Hour run meter	€				Standard		
69	General fault contactor	€						
70	Alarm from external device	€						
95	Compressors circuit breakers	€	367,-	412,-	457,-	734,-	561,-	779,-
96	Fans circuit breakers	€	213,-	213,-	213,-	277,-	213,-	277,-
97	Main switch interlock door	€				Standard		
99	Fans speed regulation (+ fan silent mode)	€		Standard		n/a	Standard	n/a
99a	Fans speed regulation (vfd)	€		n/a		2.089,-	n/a	2.089,-
102	Ground fault relay	€				899,-		899,-
120e	Inverter kit for 1 centr pump low lift	€	1.022,-	1.181,-	1.181,-	1.112,-	1.181,-	1.211,-
120f	Inverter kit for 1 centr pump high lift	€	1.181,-	1.181,-	1.181,-	1.275,-	1.181,-	1.275,-
120g	Inverter kit for 2 centr pump low lift	€				2.421,-		2.421,-
120h	Inverter kit for 2 centr pump high lift	€		n/a		3.285,-	n/a	3.285,-
128	Master/slave	€				Standard		
142A	High ambient kit	€	903,-	1.091,-	1.280,-	1.161,-	1.280,-	1.161,-
143	Variable primary flow	€	1.935,-	1.935,-	1.935,-	1.935,-	1.935,-	1.935,-
144	Diff pressure transd (shipped loose)	€	1.732,-	1.732,-	1.732,-	1.732,-	1.732,-	1.732,-
155	Daikin on site modem (with antenna)	€	913,-	913,-	913,-	913,-	913,-	913,-
160	100 pa esp fans	€	606,-	794,-	982,-	n/a	982,-	n/a
161	200 pa esp fans	€		n/a		12.147,-	n/a	12.147,-
Installation								
75	Rubber anti vibration mounts	€	466,-	466,-	466,-	466,-	466,-	466,-
77	Spring anti vibration mounts	€	1.469,-	1.469,-	1.469,-	1.469,-	1.469,-	1.469,-
83	External tank without cabinet (500 l)	€	3.632,-	3.632,-	3.632,-	3.632,-	3.632,-	3.632,-
84	External tank without cabinet (1000 l)	€	4.848,-	4.848,-	4.848,-	4.848,-	4.848,-	4.848,-
87	External tank with cabinet (500 l)	€	5.344,-	5.344,-	5.344,-	5.344,-	5.344,-	5.344,-
88	External tank with cabinet (1000 l)	€	6.843,-	6.843,-	6.843,-	6.843,-	6.843,-	6.843,-
Communication cards / Accessories								
EKCM200J	BMS card (ModBUS-RTU)	€	299,-	299,-	299,-	299,-	299,-	299,-
EKCM8ACMSTP	BMS card (BacNet/ MSTP)	€	357,-	357,-	357,-	357,-	357,-	357,-
EKCM1LON	BMS card (LonWorks)	€	348,-	348,-	348,-	348,-	348,-	348,-

(1) Option FANMOD consist in Continuous Fan Speed Regulation and improves part load operation, Single-V units are standardly equipped with continuous fan control, Modular-V units require opt 99a – VFD fans

NEW EWAT-B-XL

High efficiency rating, low noise level



Type of unit (rated power in accordance with EN14511)	EWAT -B-XL	85	115	145	180	185	200
Price	€	22.400,-	25.665,-	29.513,-	40.178,-	33.184,-	55.090,-
Commissioning ordered from DAIKIN is mandatory		Price on request on project quotation based					
Cooling capacity	kW	88	114	143	179	182	200
Power input	kW	28,9	36,5	44,5	57,2	63,8	65,7
Refrigerant circuit		1	1	1	2	1	2
Compressors		2	2	2	4	2	4
EER		3,04	3,11	3,22	3,12	2,86	3,05
ESEER(+opt FANMOD) ⁽¹⁾		4,07	4,23	4,19	4,3	4,05	4,13
Length x Width x Height	mm	2.660x1.204x1.801	3.180x1.204x1.801	3.780x1.204x1.822	2.326x2.236x2.540	3.780x1.204x1.822	2.326x2.236x2.540
Weight of unit / Operating weight	kg	747/752	840/846	959/968	1.736/1.747	1.076/1.088	1.766/1.777
Sound power / Sound pressure (at 1m)	dB(A)	85/68	87/69	89/70	91/72	89/71	91/72
Buffer tank volume / option (OP 134/135/136/137)	liter	145	190	190	300	250	300

Optional accessories for chiller:

Code	Type of unit	EWAT -B-XL	85	115	145	180	185	200
Mechanical								
01	Total heat recovery	€	3.717,-	4.059,-	5.160,-	6.302,-	6.302,-	7.354,-
03A	Partial heat recovery with control	€	1.642,-	1.642,-	2.193,-	3.027,-	2.193,-	3.027,-
08	Brine version	€	338,-	338,-	338,-	338,-	338,-	338,-
20	Evaporator victaulic kit	€	Standard					
21	Evaporator flange kit	€	179,-	179,-	179,-	239,-	179,-	239,-
29	20mm evaporator insulation	€	338,-	338,-	338,-	338,-	338,-	338,-
61	Discharge line shut-off valve	€				715,-	n/a	715,-
62	Suction line shut-off valve	€	n/a			1.191,-		1.191,-
63	High pressure side manometers	€				327,-		327,-
64	Low pressure side manometers	€				327,-		327,-
78	One centrifugal pump (low lift)	€	2.918,-	3.102,-	3.225,-	4.749,-	3.225,-	4.829,-
79	One centrifugal pump (high lift)	€	3.538,-	3.538,-	3.762,-	4.898,-	3.762,-	4.898,-
80	Two centrifugal pump (low lift)	€	4.614,-	4.754,-	4.942,-	6.769,-	4.942,-	6.769,-
81	Two centrifugal pump (high lift)	€	5.523,-	5.523,-	5.672,-	7.225,-	5.672,-	7.225,-
91	Double pressure relief valve with diverter	€	1.141,-	1.141,-	1.141,-	1.697,-	1.141,-	1.697,-
115	Water filter	€	317,-	317,-	317,-	383,-	317,-	383,-
121	Refrigerant leak detection	€	1.245,-	1.245,-	1.245,-	1.245,-	1.245,-	1.245,-
126	Discharge and suction line shut-off valve	€	953,-	953,-	953,-	n/a	953,-	n/a
127	High and low pressure side manometers	€	312,-	312,-	312,-		312,-	
134	One centrifugal pump (low lift) + tank	€	4.912,-	5.106,-	5.220,-	6.957,-	5.220,-	7.036,-
135	One centrifugal pump (high lift) + tank	€	5.543,-	5.543,-	5.766,-	7.105,-	5.766,-	7.105,-
136	Two centrifugal pump (low lift) + tank	€	6.927,-	7.027,-	7.160,-	8.977,-	7.160,-	8.977,-
137	Two centrifugal pump (high lift) + tank	€	7.583,-	7.583,-	7.801,-	9.433,-	7.801,-	9.433,-
139	E-coating microchannel coils	€	1.429,-	1.905,-	2.382,-	3.752,-	2.382,-	3.752,-
140	Unit guards (to cover unit access)	€	596,-	645,-	695,-	1.727,-	695,-	1.727,-
141	Side panels on coil ends	€				476,-	n/a	476,-
153	Blue coat	€				695,-		695,-
171	Free cooling migration - light	€	n/a			13.398,-		13.398,-
172	Free cooling migration - full	€				27.788,-		27.788,-
173	Free cooling migration - full with hydro kit	€				30.765,-		30.765,-
Electrical / Control								
04	Direct on line starter (dol)	€	Standard					
06	Soft starter	€	2.769,-	3.171,-	3.648,-	4.754,-	4.098,-	5.175,-
10	Double setpoint	€	Standard					
11	Compressor thermal overload relays	€	n/a			997,-	n/a	997,-
15	Under / over voltage control	€	288,-	288,-	288,-	288,-	288,-	288,-
16	Energy meter	€				1.514,-	n/a	1.514,-
17	Capacitors for power factor correction	€	n/a			1.191,-		1.229,-
17B	Capacitors for power factor correction (single-v)	€	596,-	633,-	671,-	n/a	802,-	n/a
42	Speedtrol	€	n/a			1.926,-	n/a	1.926,-
57	Evaporator electric heater	€	Standard					
58	Evaporator flow switch	€	357,-	357,-	357,-	447,-	357,-	447,-

Air cooled chiller

Optional accessories for chiller:

Code	Type of unit	EWAT - B-XL	85	115	145	180	185	200
60	Electronic expansion valve	€						
67	Ambient outside temperature sensor and setpoint reset	€						
68	Hour run meter	€				Standard		
69	General fault contactor	€						
70	Alarm from external device	€						
95	Compressors circuit breakers	€	367,-	412,-	457,-	734,-	561,-	779,-
96	Fans circuit breakers	€	213,-	213,-	213,-	277,-	213,-	277,-
97	Main switch interlock door	€				Standard		
99	Fans speed regulation (+ fan silent mode)	€		Standard		n/a	Standard	n/a
99a	Fans speed regulation (vfd)	€		n/a		2.089,-	n/a	2.089,-
102	Ground fault relay	€				899,-		899,-
120e	Inverter kit for 1 centr pump low lift	€	1.022,-	1.181,-	1.181,-	1.112,-	1.181,-	1.211,-
120f	Inverter kit for 1 centr pump high lift	€	1.181,-	1.181,-	1.181,-	1.275,-	1.181,-	1.275,-
120g	Inverter kit for 2 centr pump low lift	€				2.421,-		2.421,-
120h	Inverter kit for 2 centr pump high lift	€		n/a		3.285,-	n/a	3.285,-
128	Master/slave	€				Standard		
142A	High ambient kit	€	903,-	1.091,-	1.280,-	1.161,-	1.280,-	1.161,-
143	Variable primary flow	€	1.935,-	1.935,-	1.935,-	1.935,-	1.935,-	1.935,-
144	Diff pressure transd (shipped loose)	€	1.732,-	1.732,-	1.732,-	1.732,-	1.732,-	1.732,-
155	Daikin on site modem (with antenna)	€	913,-	913,-	913,-	913,-	913,-	913,-
160	100 pa esp fans	€	606,-	794,-	982,-	n/a	982,-	n/a
161	200 pa esp fans	€		n/a		12.147,-	n/a	12.147,-
Installation								
75	Rubber anti vibration mounts	€	466,-	466,-	466,-	466,-	466,-	466,-
77	Spring anti vibration mounts	€	1.469,-	1.469,-	1.469,-	1.469,-	1.469,-	1.469,-
83	External tank without cabinet (500 l)	€	3.632,-	3.632,-	3.632,-	3.632,-	3.632,-	3.632,-
84	External tank without cabinet (1000 l)	€	4.848,-	4.848,-	4.848,-	4.848,-	4.848,-	4.848,-
87	External tank with cabinet (500 l)	€	5.344,-	5.344,-	5.344,-	5.344,-	5.344,-	5.344,-
88	External tank with cabinet (1000 l)	€	6.843,-	6.843,-	6.843,-	6.843,-	6.843,-	6.843,-
Communication cards / Accessories								
EKCM200J	BMS card (ModBUS-RTU)	€	299,-	299,-	299,-	299,-	299,-	299,-
EKCM8ACMSTP	BMS card (BacNet/ MSTP)	€	357,-	357,-	357,-	357,-	357,-	357,-
EKCM1LON	BMS card (LonWorks)	€	348,-	348,-	348,-	348,-	348,-	348,-

(1) Option FANMOD consist in Continuous Fan Speed Regulation and improves part load operation, Single-V units are standardly equipped with continuous fan control, Modular-V units require opt 99a – VFD fans

NEW EWAT-B-XR

High efficiency rating, reduced noise level



Type of unit (rated power in accordance with EN14511)	EWAT -B-XR	85	115	145	180	185	200
Price	€	23.074,-	26.437,-	30.399,-	41.922,-	34.180,-	57.299,-
Commissioning ordered from DAIKIN is mandatory		Price on request on project quotation based					
Cooling capacity	kW	82	108	135	168	166	187
Power input	kW	30,9	39	47,1	59,1	70,5	69,8
Refrigerant circuit		1	1	1	2	1	2
Compressors		2	2	2	4	2	4
EER		2,64	2,78	2,88	2,84	2,35	2,68
ESEER(+opt FANMOD) ¹⁾		4,02	4,18	4,08	4,24	4,04	4,21
Length x Width x Height	mm	2.660x1.204x1.801	3.180x1.204x1.801	3.780x1.204x1.822	2.326x2.236x2.540	3.780x1.204x1.822	2.326x2.236x2.540
Weight of unit / Operating weight	kg	747/752	840/846	959/968	1.736/1.747	1.076/1.088	1.776/1.777
Sound power / Sound pressure (at 1m)	dB(A)	78/60	82/64	84/66	84/65	86/68	85/66
Buffer tank volume / option (OP 134/135/136/137)	liter	145	190	190	300	250	300

Optional accessories for chiller:

Code	Type of unit	EWAT -B-XR	85	115	145	180	185	200
Mechanical								
01	Total heat recovery	€	3.717,-	4.059,-	5.160,-	6.302,-	6.302,-	7.354,-
03A	Partial heat recovery with control	€	1.642,-	1.642,-	2.193,-	3.027,-	2.193,-	3.027,-
08	Brine version	€	338,-	338,-	338,-	338,-	338,-	338,-
20	Evaporator victaulic kit	€	Standard					
21	Evaporator flange kit	€	179,-	179,-	179,-	239,-	179,-	239,-
29	20mm evaporator insulation	€	338,-	338,-	338,-	338,-	338,-	338,-
61	Discharge line shut-off valve	€				715,-		
62	Suction line shut-off valve	€	n/a			1.191,-	n/a	1.191,-
63	High pressure side manometers	€				327,-		
64	Low pressure side manometers	€				327,-		
78	One centrifugal pump (low lift)	€	2.918,-	3.102,-	3.225,-	4.749,-	3.225,-	4.829,-
79	One centrifugal pump (high lift)	€	3.538,-	3.538,-	3.762,-	4.898,-	3.762,-	4.898,-
80	Two centrifugal pump (low lift)	€	4.614,-	4.754,-	4.942,-	6.769,-	4.942,-	6.769,-
81	Two centrifugal pump (high lift)	€	5.523,-	5.523,-	5.672,-	7.225,-	5.672,-	7.225,-
91	Double pressure relief valve with diverter	€	1.141,-	1.141,-	1.141,-	1.697,-	1.141,-	1.697,-
115	Water filter	€	317,-	317,-	317,-	383,-	317,-	383,-
121	Refrigerant leak detection	€	1.245,-	1.245,-	1.245,-	1.245,-	1.245,-	1.245,-
126	Discharge and suction line shut-off valve	€	953,-	953,-	953,-	n/a		953,-
127	High and low pressure side manometers	€	312,-	312,-	312,-	n/a		312,-
134	One centrifugal pump (low lift) + tank	€	4.912,-	5.106,-	5.220,-	6.957,-	5.220,-	7.036,-
135	One centrifugal pump (high lift) + tank	€	5.543,-	5.543,-	5.766,-	7.105,-	5.766,-	7.105,-
136	Two centrifugal pump (low lift) + tank	€	6.927,-	7.027,-	7.160,-	8.977,-	7.160,-	8.977,-
137	Two centrifugal pump (high lift) + tank	€	7.583,-	7.583,-	7.801,-	9.433,-	7.801,-	9.433,-
139	E-coating microchannel coils	€	1.429,-	1.905,-	2.382,-	3.752,-	2.382,-	3.752,-
140	Unit guards (to cover unit access)	€	596,-	645,-	695,-	1.727,-	695,-	1.727,-
141	Side panels on coil ends	€				476,-		
153	Blue coat	€				695,-		
171	Free cooling migration - light	€	n/a			12.405,-	n/a	12.405,-
172	Free cooling migration - full	€				26.795,-		
173	Free cooling migration - full with hydro kit	€				29.773,-		
Electrical / Control								
04	Direct on line starter (dol)	€	Standard					
06	Soft starter	€	2.769,-	3.171,-	3.648,-	4.754,-	4.098,-	5.175,-
10	Double setpoint	€	Standard					
11	Compressor thermal overload relays	€	n/a			997,-	n/a	997,-
15	Under / over voltage control	€	288,-	288,-	288,-	288,-	288,-	288,-
16	Energy meter	€				1.514,-		
17	Capacitors for power factor correction	€	n/a			1.191,-	n/a	1.229,-
17B	Capacitors for power factor correction (single-v)	€	596,-	633,-	671,-	n/a		802,-
57	Evaporator electric heater	€	Standard					
58	Evaporator flow switch	€	350,-	350,-	350,-	438,-	350,-	438,-
60	Electronic expansion valve	€	Standard					

Air cooled chiller

Optional accessories for chiller:

Code	Type of unit	EWAT -B-XR	85	115	145	180	185	200
67	Ambient outside temperature sensor and setpoint reset	€						
68	Hour run meter	€						
69	General fault contactor	€						
70	Alarm from external device	€						
95	Compressors circuit breakers	€	367,-	412,-	457,-	734,-	561,-	779,-
96	Fans circuit breakers	€	213,-	213,-	213,-	277,-	213,-	277,-
97	Main switch interlock door	€						
99	Fans speed regulation (+ fan silent mode)	€		Standard		n/a	Standard	n/a
99a	Fans speed regulation (vfd)	€		n/a		Standard	n/a	Standard
102	Ground fault relay	€		n/a		899,-	n/a	899,-
120e	Inverter kit for 1 centr pump low lift	€	1.022,-	1.181,-	1.181,-	1.112,-	1.181,-	1.211,-
120f	Inverter kit for 1 centr pump high lift	€	1.181,-	1.181,-	1.181,-	1.275,-	1.181,-	1.275,-
120g	Inverter kit for 2 centr pump low lift	€				2.421,-		2.421,-
120h	Inverter kit for 2 centr pump high lift	€		n/a		3.285,-	n/a	3.285,-
128	Master/slave	€						
142A	High ambient kit	€	903,-	1.091,-	1.280,-	1.161,-	1.280,-	1.161,-
143	Variable primary flow	€	1.935,-	1.935,-	1.935,-	1.935,-	1.935,-	1.935,-
144	Diff pressure transd (shipped loose)	€	1.732,-	1.732,-	1.732,-	1.732,-	1.732,-	1.732,-
155	Daikin on site modem (with antenna)	€	913,-	913,-	913,-	913,-	913,-	913,-
Installation								
75	Rubber anti vibration mounts	€	466,-	466,-	466,-	466,-	466,-	466,-
77	Spring anti vibration mounts	€	1.469,-	1.469,-	1.469,-	1.469,-	1.469,-	1.469,-
83	External tank without cabinet (500 l)	€	3.632,-	3.632,-	3.632,-	3.632,-	3.632,-	3.632,-
84	External tank without cabinet (1000 l)	€	4.848,-	4.848,-	4.848,-	4.848,-	4.848,-	4.848,-
87	External tank with cabinet (500 l)	€	5.344,-	5.344,-	5.344,-	5.344,-	5.344,-	5.344,-
88	External tank with cabinet (1000 l)	€	6.843,-	6.843,-	6.843,-	6.843,-	6.843,-	6.843,-
Communication cards / Accessories								
EKCM200J	BMS card (ModBUS-RTU)	€	299,-	299,-	299,-	299,-	299,-	299,-
EKCM8ACIN5TP	BMS card (BacNet/ MSTP)	€	357,-	357,-	357,-	357,-	357,-	357,-
EKCM1LON	BMS card (LonWorks)	€	348,-	348,-	348,-	348,-	348,-	348,-

(1) Option FANMOD consist in Continuous Fan Speed Regulation and improves part load operation, Single-V units are standardly equipped with continuous fan control, Modular-V units require opt 99a – VFD fans

EWQ-KBW1N

- › One of the most compact units on the market
- › Low energy consumption
- › Low operating sound level
- › Low refrigerant volume
- › Stainless steel plate heat exchanger
- › Extension possible to 183 kW
- › Easy installation and maintenance
- › Remote cooling or heating selection
- › Water/water heat pump, with water reversibility
- › Standard integrated: main switch, water filter, flow switch, air purge, and pressure ports



Unit size			EWWQ014KBW1N	EWWQ025KBW1N	EWWQ033KBW1N	EWWQ049KBW1N
Price		€	4.284,-	7.485,-	8.288,-	10.251,-
Cooling capacity		kW	13,25	23,9	30,4	47,15
Heating capacity ⁽²⁾		kW	16,4	29,85	38,76	57,59
EER			4,21	4,18	4,16	4,13
ESEER			4,52	4,58	4,72	4,56
Heat rejection capacity		kW	16,04	29,13	37,75	57,45
Space heating	Average climate	ηs (Seasonal space heating efficiency)	178	189	200	192
	water outlet 35°C	SCOP	4,65	4,94	5,2	5,01
		Seasonal space heating eff. class	A+++			
Sound power level		dB(A)	64	64	71	67

Options						
OPZH	glycol application to -5 °C LWE	€	274,-	319,-	319,-	319,-
OPZL	glycol application to -10 °C LWE	€	274,-	319,-	319,-	319,-

Kit						
EKLS1	low noise kit 5 HP	€	239,-	-	-	-
EKLS2	low noise kit 8/10/12 HP	€	-	239,-	239,-	239,-
EKAC10C⁽³⁾	BMS address card	€	180,-	180,-	180,-	180,-
EKRUMCA	remote user interface	€	238,-	238,-	238,-	238,-

Unit size			EWWQ064KBW1N	EWWQ049KAW1M*	EWWQ064KAW1M*
Price		€	14.586,-	8.024,-	11.618,-
Cooling capacity ⁽¹⁾		kW	60,98	47,15	60,98
Heating capacity ⁽²⁾		kW	75,17	57,59	75,17
EER			4,18	4,13	4,18
ESEER			4,71	4,56	4,71
Heat rejection capacity		kW	74,44	57,45	74,44
Space heating	Average climate	General ηs (Seasonal space heating efficiency)	197	192	197
	water outlet 35°C	SCOP	5,14	5,01	5,14
		Seasonal space heating eff. class	A+++		
Sound power level		dB(A)	74	67	64

(*) Multi modular unit for two or three module application, controller is available in options

Options					
OPZH	glycol application to -5 °C LWE	€	320,-	261,-	261,-
OPZL	glycol application to -10 °C LWE	€	320,-	261,-	261,-

Kit					
EKLS2	low noise kit 8/10/12 HP (2 pcs.)	€	239,-	239,-	239,-
EKAC10C⁽³⁾	BMS address card	€	180,-	180,-	180,-
EKRUMCA⁽³⁾	remote user interface	€	238,-	238,-	238,-

Notes:

(1) Cooling: Ta DB/WB 35°C - LWE 7°C (DT = 5°C) data according EN 14511: 2011

(2) Heating: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C), data according EN 14511: 2011

(3) EKAC10C is needed for direct BMS connection via Modbus and to install EKRUMCA

EWWQ-KBW1M

- › Designed for indoor installation
- › Cooling and/or heating application possible
- › Available in 11 standards sizes
- › Capacity range from 98 to 192 kW
- › Combining with FCU and AHU for air conditioning purpose
- › Supplying chilled water for process cooling
- › Easy installation and maintenance



Capacity index		098	113	128
Basic model		EWWQ049KAW1M EWWQ049KAW1M	EWWQ049KAW1M EWWQ064KAW1M	EWWQ064KAW1M EWWQ064KAW1M
Control box		ECB2MUAW	ECB2MUAW	ECB2MUAW
Price		€ 19.288,-	22.882,-	26.477,-
Cooling capacity ⁽¹⁾	kW	94,39	108,2	122,1
Heating capacity ⁽²⁾	kW	115,2	132,8	150,3
Sound power level	dB(A)	56	60	62

Options					
OPZH	glycol application to -5°C LWE	€	521,-	521,-	521,-
OPZL	glycol application to -10°C LWE	€	521,-	521,-	521,-

Capacity index		147	162	177	192
Basic model		EWWQ049KAW1M EWWQ049KAW1M EWWQ049KAW1M	EWWQ049KAW1M EWWQ049KAW1M EWWQ064KAW1M	EWWQ049KAW1M EWWQ064KAW1M EWWQ064KAW1M	EWWQ064KAW1M EWWQ064KAW1M EWWQ064KAW1M
Control box		ECB3MUAW	ECB3MUAW	ECB3MUAW	ECB3MUAW
Price		€ 27.311,-	30.906,-	34.501,-	38.096,-
Cooling capacity	kW	141,6	155,5	163,3	183,2
Heating capacity ⁽²⁾	kW	172,8	190,3	207,9	225,5
Sound power level	dB(A)	57	61	62	63

Options						
OPZH	glycol application to -5°C LWE	€	782,-	782,-	782,-	782,-
OPZL	glycol application to -10°C LWE	€	782,-	782,-	782,-	782,-

Notes:

(1) Cooling: Ta DB/WB 35°C - LWE 7°C (DT = 5°C) data according EN 14511: 2011

(2) Heating: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C), data according EN 14511: 2011

Water cooled chiller

EWW(H)Q-G(L)-SS

- › Compact Water/Water Chiller with Scroll compressors
- › Refrigerant R410A
- › Evaporator as plate heat exchanger
- › Condenser as plate heat exchanger
- › Certified by Eurovent
- › High efficiency rating – Eurovent rating Class A
- › Electronic expansion valve
- › Sequential control for Master/Slave function as standard feature
- › Partial heat recovery optionally available
- › Soundproof enclosure (Sound Proof System) optionally available
- › Installed pump optionally available



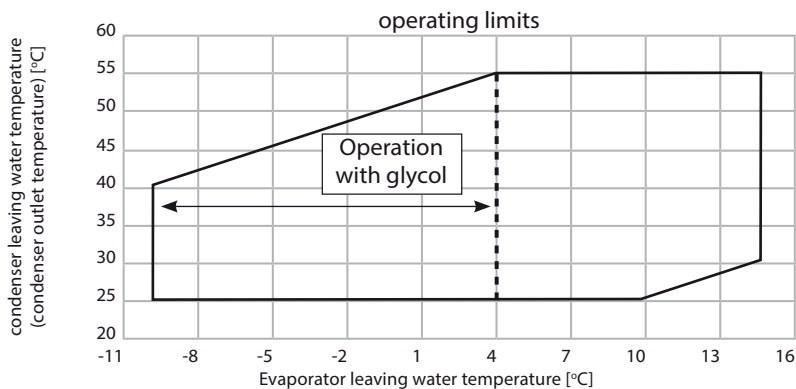
Standard equipment

- › Main switch
- › Direct start
- › Double setpoint value
- › Evaporator electric heater
- › Electronic expansion valve
- › Evaporator insulation 20 mm
- › Accumulative fault message

Operating limits (cooling only):

Condenser outlet temperature: +25°C to +55°C

Evaporator outlet temperature: -10°C to +15°C



EWQ-G-SS

One refrigerant circuit, standard efficiency rating

- › Single refrigerant circuit (2 scroll compressors) with single evaporator
- › Compact design to allow easy indoor installation or retrofit operations
- › Conceived for stacked installation of two single circuit units to reduce the footprint
- › Allows sequencing control (up to 4 units) without any external device
- › Stainless steel plate heat exchanger
- › Pump (low 100 kPa and high 200 kPa lift) available for evaporator and condenser



Type of unit (rated power in accordance with EN14511)	EWQ-G-SS	090	100	120	130	150	170	190	210	240	300	360	
Price	€	18.290,-	19.508,-	20.827,-	22.231,-	23.521,-	25.808,-	27.847,-	28.475,-	30.444,-	36.831,-	41.987,-	
Commissioning ordered from DAIKIN is mandatory													
Price on request on project quotation based													
Cooling capacity	kW	93,7	106	119	136	150	172	194	221	246	314	370	
Power input	kW	21,3	24	26,9	30,5	33,9	38,9	43,8	51,2	56,6	70,2	84	
Refrigerant circuit		1	1	1	1	1	1	1	1	1	1	1	
Compressors		2	2	2	2	2	2	2	2	2	2	2	
EER		4,4	4,4	4,42	4,46	4,42	4,42	4,42	4,31	4,34	4,48	4,41	
ESEER		5,51	5,52	5,51	5,53	5,51	5,53	5,52	5,52	5,52	5,52	5,52	
Length x Width x Height	mm	2.432 x 928 x 1.066			2.264 x 928 x 1.066			2.432 x 928 x 1.066			2.432 x 928 x 1.186		
Weight of unit / Operating weight	kg	516/ 555	606/ 652	728/ 782	762/ 821	795/ 859	832/ 901	871/ 946	921/ 1.010	934/ 1.023	1.083/ 1.195	1.181/ 1.311	
Space heating Average climate water outlet 35°C	ηs (Seasonal space heating efficiency) SCOP	%	163	163	165	168	168	168	167	164	162	166	-
			4,28	4,28	4,33	4,40	4,39	4,40	4,38	4,29	4,25	4,34	-
Sound power / Sound pressure (at 1m)	dB(A)	80/ 64	83/ 67	85/ 69	87/ 70	88/ 72	88/ 72	88/ 72	90/ 74	92/ 76	93/ 76	93/ 77	

Optional accessories for chiller:

Code	Type of unit	EWQ-G-SS	090	100	120	130	150	170	190	210	240	300	360
Mechanical													
130	Evaporator and condenser victaulic kit	€	Standard										
29	20Mm evaporator insulation	€	Standard										
60	Electronic expansion valve	€	Standard										
07a	Heat pump version (with reversibility on water side)	€	314,-	314,-	314,-	314,-	314,-	314,-	314,-	314,-	314,-	314,-	314,-
133	Stacked installation	€	1.699,-	1.699,-	1.699,-	1.699,-	1.699,-	1.699,-	1.699,-	1.699,-	1.699,-	1.699,-	1.699,-
08	Brine version	€	493,-	493,-	493,-	493,-	493,-	493,-	493,-	493,-	493,-	493,-	493,-
03	Partial heat recovery	€	1.163,-	1.163,-	1.163,-	1.179,-	1.186,-	1.387,-	1.429,-	1.520,-	1.798,-	1.902,-	2.025,-
33	20Mm condenser insulation	€	180,-	180,-	180,-	180,-	180,-	180,-	180,-	180,-	180,-	180,-	180,-
126	Discharge and suction line shut-off valve	€	822,-	822,-	822,-	822,-	822,-	822,-	822,-	822,-	822,-	822,-	822,-
127	High and low pressure side manometers	€	268,-	268,-	268,-	268,-	268,-	268,-	268,-	268,-	268,-	268,-	268,-
76-c	Sound proof system (compressors jacket)	€	942,-	853,-	768,-	768,-	768,-	768,-	768,-	Not available			
76-b	Sound proof system (compressor)	€	3.099,-	3.099,-	3.099,-	3.099,-	3.099,-	3.099,-	3.099,-	3.099,-	3.099,-	3.099,-	3.099,-
91	Double pressure relief valve with diverter	€	983,-	983,-	983,-	983,-	983,-	983,-	983,-	983,-	983,-	983,-	983,-
115	Water filter	€	514,-	514,-	514,-	514,-	514,-	514,-	514,-	514,-	514,-	514,-	810,-
122	Evaporator single pump (low lift)	€	1.201,-	1.201,-	1.279,-	1.279,-	1.279,-	2.120,-	2.120,-	2.120,-	2.120,-	2.120,-	1.968,-
123	Evaporator single pump (high lift)	€	1.380,-	1.380,-	1.469,-	1.469,-	1.469,-	2.438,-	2.438,-	2.438,-	2.438,-	2.438,-	2.262,-
124	Condenser single pump (low lift)	€	1.440,-	1.440,-	1.532,-	1.532,-	1.532,-	2.545,-	2.545,-	2.545,-	2.545,-	2.545,-	2.361,-
125	Condenser single pump (high lift)	€	1.658,-	1.658,-	1.763,-	1.763,-	1.763,-	2.926,-	2.926,-	2.926,-	2.926,-	2.926,-	2.713,-
Electrical / Control													
04	Dol starter	€	Standard										
132	Part winding start	€	Not available										
10	Double setpoint	€	Not available										
68	Hour run meter	€	Not available										
69	General fault contactor	€	Standard										
97	Main switch interlock door	€	Standard										
128	Master/Slave	€	Standard										
06	Soft starter	€	2.793,-	2.545,-	2.298,-	2.463,-	2.627,-	2.820,-	3.014,-	3.204,-	3.284,-	Not available	
15a	Control expansion pack including (under / over voltage control, setpoint reset, demand limit, alarm from external device, expansion card pol965)	€	404,-	404,-	404,-	404,-	404,-	404,-	404,-	404,-	404,-	404,-	404,-
17	Capacitors for power factor correction	€	750,-	750,-	750,-	750,-	750,-	750,-	1.324,-	1.324,-	1.324,-	1.851,-	1.851,-
58	Evaporator flow switch	€	232,-	232,-	232,-	232,-	232,-	232,-	232,-	232,-	232,-	232,-	232,-
59	Condenser flow switch	€	232,-	232,-	232,-	232,-	232,-	232,-	232,-	232,-	232,-	232,-	232,-
95	Compressors circuit breakers	€	314,-	326,-	341,-	341,-	341,-	385,-	429,-	447,-	464,-	1.578,-	2.692,-
102	Ground fault relay	€	778,-	778,-	778,-	778,-	778,-	778,-	778,-	778,-	778,-	778,-	778,-
Installation													
75	Rubber anti vibration mounts	€	196,-	196,-	196,-	196,-	196,-	196,-	196,-	196,-	196,-	196,-	196,-
Communication cards / Accessories													
EKCM200J	BMS card (ModBUS-RTU)	€	299,-	299,-	299,-	299,-	299,-	299,-	299,-	299,-	299,-	299,-	299,-
EKCM200MSTP	BMS card (BacNet/ MSTP)	€	357,-	357,-	357,-	357,-	357,-	357,-	357,-	357,-	357,-	357,-	357,-
EKCM200LON	BMS card (LonWorks)	€	348,-	348,-	348,-	348,-	348,-	348,-	348,-	348,-	348,-	348,-	348,-

EWHQ-G-SS

One refrigerant circuit, standard efficiency rating
With reversible refrigerant circuit

- › Operating limits cooling:
 - Condenser outlet temperature: +25°C to + 55°C
 - Evaporator outlet temperature: -10°C to + 15°C
- › Operating limits heating:
 - Condenser outlet temperature: +20°C to + 50°C
 - Evaporator outlet temperature: -8°C to + 15°C



Type of unit (rated power in accordance with EN14511)	EWHQ-G-SS	100	120	130	150	160	190	210	240	270	340	400
Price	€	20.867,-	22.260,-	23.766,-	25.365,-	26.839,-	29.449,-	29.907,-	32.492,-	34.741,-	42.029,-	47.911,-
Commissioning by DAIKIN service personnel (net price)	€	Price on request on project quotation based										
Cooling capacity	kW	87,3	100	111	127	141	160	181	208	232	291	352
Power input	kW	22,4	25,3	28,5	32,0	35,6	41,1	46,0	53,3	59,1	73,7	88,4
Refrigerant circuit		1	1	1	1	1	1	1	1	1	1	1
Compressors		2	2	2	2	2	2	2	2	2	2	2
EER		3,90	3,95	3,91	3,96	3,95	3,90	3,93	3,90	3,92	3,95	3,98
ESEER		4,70	4,84	4,65	4,86	4,80	4,89	4,86	4,83	4,79	4,90	4,83
Length	mm	2.432	2.432	2.264	2.264	2.264	2.432	2.432	2.432	2.432	2.432	2.432
Width	mm	928	928	928	928	928	928	928	928	928	928	928
Height	mm	1.066	1.066	1.066	1.066	1.066	1.066	1.066	1.066	1.066	1.186	1.186
Weight of unit / Operating weight	kg	519/558	608/654	728/782	770/830	808/873	838/908	880/955	930/1.019	941/1.031	1.090/1.202	1.203/1.334
Space heating Average climate water outlet 35°C	%	155	155	158	162	161	161	161	167	166	158	-
ns (Seasonal space heating efficiency) SCOP		4,08	4,08	4,14	4,24	4,23	4,23	4,22	4,37	4,35	4,16	-
Sound power / Sound pressure (at 1m)	dB(A)	80/64	83/67	85/69	87/70	88/72	88/72	88/72	90/74	92/76	93/76	93/77

Optional accessories for chiller:

Code	Type of unit	EWHQ-G-SS	100	120	130	150	160	190	210	240	270	340	400
Mechanical													
130	Evaporator and condenser victaulic kit	€	Standard										
29	20Mm evaporator insulation	€	Standard										
33	20Mm condenser insulation	€	Standard										
60	Electronic expansion valve	€	Standard										
133	Stacked installation	€	1.716,-	1.716,-	1.716,-	1.716,-	1.716,-	1.716,-	1.716,-	1.716,-	1.716,-	1.716,-	1.716,-
08	Brine version	€	497,-	497,-	497,-	497,-	497,-	497,-	497,-	497,-	497,-	497,-	497,-
03	Partial heat recovery	€	1.174,-	1.174,-	1.174,-	1.191,-	1.198,-	1.401,-	1.443,-	1.535,-	1.816,-	1.921,-	2.045,-
129	Liquid line dishut of valve	€	271,-	271,-	271,-	271,-	271,-	317,-	317,-	317,-	317,-	361,-	361,-
126	Discharge and suction line shut-off valve	€	830,-	830,-	830,-	830,-	830,-	830,-	830,-	830,-	830,-	830,-	830,-
127	High and low pressure side manometers	€	271,-	271,-	271,-	271,-	271,-	271,-	271,-	271,-	271,-	271,-	271,-
76-c	Sound proof system (compressors jacket)	€	952,-	861,-	776,-	776,-	776,-	776,-	776,-	Not available			
76-b	Sound proof system (compressor)	€	3.129,-	3.129,-	3.129,-	3.129,-	3.129,-	3.129,-	3.129,-	3.129,-	3.129,-	3.129,-	3.129,-
91	Double pressure relief valve with diverter	€	993,-	993,-	993,-	993,-	993,-	993,-	993,-	993,-	993,-	993,-	993,-
115	Water filter	€	519,-	519,-	519,-	519,-	519,-	519,-	519,-	519,-	519,-	519,-	818,-
122	Evaporator single pump (low lift)	€	1.212,-	1.212,-	1.292,-	1.292,-	1.292,-	2.140,-	2.140,-	2.140,-	2.140,-	2.140,-	1.987,-
123	Evaporator single pump (high lift)	€	1.394,-	1.394,-	1.483,-	1.483,-	1.483,-	2.462,-	2.462,-	2.462,-	2.462,-	2.462,-	2.285,-
124	Condenser single pump (low lift)	€	1.212,-	1.212,-	1.292,-	1.292,-	1.292,-	2.140,-	2.140,-	2.140,-	2.140,-	2.140,-	1.987,-
125	Condenser single pump (high lift)	€	1.394,-	1.394,-	1.483,-	1.483,-	1.483,-	2.462,-	2.462,-	2.462,-	2.462,-	2.462,-	2.285,-
Electrical / Control													
04	Dol starter	€	Standard										
132	Part winidng start	€	Not available										
10	Double setpoint	€	Not available										
68	Hour run meter	€	Standard										
69	General fault contactor	€	Standard										
97	Main switch interlock door	€	Standard										
128	Master/Slave	€	Standard										
06	Soft starter	€	2.820,-	2.570,-	2.321,-	2.487,-	2.652,-	2.848,-	3.044,-	3.235,-	3.317,-	Not available	
15a	Control expansion pack including (under / over voltage control, setpoint reset, demand limit, alarm from external device, expansion card pol965)	€	408,-	408,-	408,-	408,-	408,-	408,-	408,-	408,-	408,-	408,-	408,-
17	Capacitors for power factor correction	€	757,-	757,-	757,-	757,-	757,-	757,-	1.337,-	1.337,-	1.337,-	1.869,-	1.869,-
58	Evaporator flow switch	€	234,-	234,-	234,-	234,-	234,-	234,-	234,-	234,-	234,-	234,-	234,-
59	Condenser flow switch	€	234,-	234,-	234,-	234,-	234,-	234,-	234,-	234,-	234,-	234,-	234,-
95	Compressors circuit breakers	€	317,-	330,-	344,-	344,-	344,-	388,-	434,-	451,-	469,-	1.593,-	2.718,-
102	Ground fault relay	€	786,-	786,-	786,-	786,-	786,-	786,-	786,-	786,-	786,-	786,-	786,-
Installation													
75	Rubber anti vibration mounts	€	198,-	198,-	198,-	198,-	198,-	198,-	198,-	198,-	198,-	198,-	198,-
Communication cards / Accessories													
EKCM200J	BMS card (ModBUS-RTU)	€	299,-	299,-	299,-	299,-	299,-	299,-	299,-	299,-	299,-	299,-	299,-
EKCM8ACMSTP	BMS card (BacNet/ MSTP)	€	357,-	357,-	357,-	357,-	357,-	357,-	357,-	357,-	357,-	357,-	357,-
EKCM1LON	BMS card (LonWorks)	€	348,-	348,-	348,-	348,-	348,-	348,-	348,-	348,-	348,-	348,-	348,-

EWWQ-L-SS

Standard efficiency rating, two refrigerant circuits

- › Operating limits cooling:
 - Condenser outlet temperature: +25°C to + 55°C
 - Evaporator outlet temperature: -10°C to + 15°C
- › Operating limits heating:
 - Condenser outlet temperature: +20°C to + 50°C
 - Evaporator outlet temperature: -8°C to + 15°C



Type of unit (rated power in accordance with EN14511)	EWWQ-L-SS	180	205	230	260	290	330	
Price	€	34.615,-	34.898,-	37.429,-	39.868,-	42.599,-	46.080,-	
Commissioning by DAIKIN service personnel (net price)		Price on request on project quotation based						
Cooling capacity	kW	187	215	244	273	303	345	
Power input	kW	41,7	47,3	53,1	60,2	67,1	77,1	
Refrigerant circuit		2	2	2	2	2	2	
Compressors		4	4	4	4	4	4	
EER		4,49	4,55	4,6	4,53	4,52	4,47	
ESEER		5,54	5,54	5,52	5,53	5,54	5,53	
Length	mm	2.801	2.801	2.801	2.801	2.801	2.801	
Width	mm	928	928	928	928	928	928	
Height	mm	1.970	1.970	1.970	1.970	1.970	1.970	
Weight of unit / Operating weight	kg	877/957	1.062/1.156	1.285/1.401	1.347/1.469	1.439/1.575	1.498/1.641	
Space heating Average climate water outlet 35°C	ns (Seasonal space heating efficiency) SCOP	%	155	155	158	162	161	-
			4,08	4,08	4,14	4,24	4,23	-
Sound power / Sound pressure (at 1m)	dB(A)	83/65	86/68	88/70	90/72	91/74	91/74	

Optional accessories for chiller:

Code	Type of unit	180	205	230	260	290	330
Mechanical							
130	Evaporator and condenser victaulic kit	€					
29	20Mm evaporator insulation	€					
60	Electronic expansion valve	€					
07a	Heat pump version with reversibility on water side (including pursuit mode)	€	314,-	314,-	314,-	314,-	314,-
08	Brine version	€	983,-	983,-	983,-	983,-	983,-
03	Partial heat recovery	€	2.384,-	2.384,-	2.384,-	2.416,-	2.858,-
33	20Mm condenser insulation	€	357,-	357,-	357,-	357,-	357,-
126	Discharge and suction line shut-off valve	€	1.646,-	1.646,-	1.646,-	1.646,-	1.646,-
127	High and low pressure side manometers	€	537,-	537,-	537,-	537,-	537,-
76-c	Sound proof system (compressors jacket)	€	2.199,-	1.994,-	1.788,-	1.788,-	1.788,-
76-b	Sound proof system (compressor)	€	6.197,-	6.197,-	6.197,-	6.197,-	6.197,-
91	Double pressure relief valve with diverter	€	1.472,-	1.472,-	1.472,-	1.472,-	1.472,-
115	Water filter	€	514,-	514,-	514,-	514,-	810,-
122	Evaporator single pump (low lift)	€					
123	Evaporator single pump (high lift)	€					
Electrical / Control							
04	Dol starter	€					
10	Double setpoint	€					
68	Hour run meter	€					
69	General fault contactor	€					
97	Main switch interlock door	€					
128	Master/Slave	€					
132	Part winidng start	€					
06	Soft starter	€	6.027,-	5.522,-	5.022,-	5.365,-	6.107,-
15a	Control expansion pack including (under / over voltage control, setpoint reset, demand limit, alarm from external device, expansion card pol965)	€	404,-	404,-	404,-	404,-	404,-
17	Capacitors for power factor correction	€	1.375,-	1.375,-	1.375,-	1.375,-	1.375,-
58	Evaporator flow switch	€	232,-	232,-	232,-	232,-	232,-
59	Condenser flow switch	€	232,-	232,-	232,-	232,-	232,-
95	Compressors circuit breakers	€	621,-	648,-	674,-	674,-	764,-
102	Ground fault relay	€	778,-	778,-	778,-	778,-	778,-
Installation							
75	Rubber anti vibration mounts	€	277,-	277,-	277,-	277,-	277,-
Communication cards / Accessories							
EKCM200J	BMS card (ModBUS-RTU)	€	299,-	299,-	299,-	299,-	299,-
EKCMBA0MSTP	BMS card (BacNet/ MSTP)	€	357,-	357,-	357,-	357,-	357,-
EKCMMLON	BMS card (LonWorks)	€	348,-	348,-	348,-	348,-	348,-

EWLQ-KBW1N

- › One of the most compact units on the market
- › Daikin scroll compressor
- › Electronic DDC controller
- › Low operating sound level
- › Low energy consumption
- › Low refrigerant volume
- › Easy installation and maintenance
- › Stainless steel plate heat exchanger
- › Standard integrated: main switch, pressure ports, flow switch, filter, shutoff valves and air purge



Unit size		EWLQ014KBW1N	EWLQ025KBW1N	EWLQ033KBW1N	EWLQ049KBW1N	EWLQ064KBW1N
Price	€	3.844,-	6.340,-	7.590,-	10.209,-	11.538,-
Cooling capacity ⁽¹⁾	kW	12,05	21,87	27,69	43,40	56,71
EER		3,41	3,41	3,39	3,41	3,5
Sound power level	dB(A)	64	64	71	67	74
Options						
OPZH	glycol application to -5°C LWE	€ 273,-	319,-	319,-	319,-	319,-
OPZL	glycol application to -10°C LWE	€ 273,-	319,-	319,-	319,-	319,-
Kit						
EKLS1	low noise kit 5 HP	€ 239,-	-	-	-	-
EKLS2	low noise kit 8/10/12 HP	€ -	239,-	239,-	239,-	239,-
EKAC10C⁽²⁾	BMS address card	€ 180,-	180,-	180,-	180,-	180,-
EKRUMCA⁽²⁾	remote user interface	€ 238,-	238,-	238,-	238,-	238,-

Notes:

(1) Cooling: Ta DB/WB 35°C - LWE 7°C (DT = 5°C) data according EN 14511: 2011

(2) EKAC10C is needed for direct BMS connection via Modbus and to install EKRUMCA

EWLQ-G-SS

One refrigerant circuit, standard efficiency rating

- › Single refrigerant circuit (scroll compressors) with single evaporator
- › For chilled water production, to be combined with a remote condensing unit
- › Compact design to allow easy indoor installation or retrofit operations
- › Conceived for stacked installation of two single circuit units to reduce the footprint
- › High efficiency and reliable scroll compressor
- › Stainless steel plate heat exchanger



Type of unit (rated power in accordance with EN14511)	EWLQ-G-SS	090	100	120	130	150	170	190	210	240	300	360
Price	€	16.830,-	17.953,-	19.167,-	20.458,-	21.645,-	23.750,-	25.625,-	26.204,-	28.019,-	33.895,-	38.640,-
Commissioning ordered from DAIKIN is mandatory												
	€	Price on request on project quotation based										
Cooling capacity	kW	86,5	98,4	110	125	139	160	181	206	231	290	346
Power input	kW	22,4	25,8	29,2	33	36,8	42	47	54,2	59,9	75,6	91,8
Refrigerant circuit		1	1	1	1	1	1	1	1	1	1	1
Compressors		2	2	2	2	2	2	2	2	2	2	2
EER		3,86	3,81	3,78	3,79	3,79	3,8	3,86	3,8	3,85	3,84	3,77
Length	mm	2.743	2.743	2.743	2.743	2.743	2.743	2.743	2.743	2.743	2.743	2.743
Width	mm	928	928	928	928	928	928	928	928	928	928	928
Height	mm	1.066	1.066	1.066	1.066	1.066	1.066	1.066	1.066	1.066	1.186	1.186
Weight of unit / Operating weight	kg	494/525	578/615	686/729	714/760	742/791	773/826	807/863	838/901	852/916	967/1.044	1.046/1.134
Sound power / Sound pressure (at 1m)	dB(A)	80/64	83/67	85/69	87/70	88/72	88/72	88/72	90/74	92/76	93/76	93/77

Optional accessories for chiller:

Code	Type of unit	EWLQ-G-SS	090	100	120	130	150	170	190	210	240	300	360
Mechanical													
20	Evaporator victaulic kit	€	Standard										
29	20mm evaporator insulation	€	Standard										
60	Electronic expansion valve	€	Standard										
133	Stacked installation	€	1.690,-	1.690,-	1.690,-	1.690,-	1.690,-	1.690,-	1.690,-	1.690,-	1.690,-	1.690,-	1.690,-
08	Brine version	€	490,-	490,-	490,-	490,-	490,-	490,-	490,-	490,-	490,-	490,-	490,-
03	Partial heat recovery	€	Not available										
126	Discharge and suction line shut-off valve	€	818,-	818,-	818,-	818,-	818,-	818,-	818,-	818,-	818,-	818,-	818,-
127	High and low pressure side manometers	€	267,-	267,-	267,-	267,-	267,-	267,-	267,-	267,-	267,-	267,-	267,-
76-c	Sound proof system (compressors jacket)	€	937,-	849,-	764,-	764,-	764,-	764,-	764,-	764,-	Not available		
76-b	Sound proof system (compressor)	€	3.083,-	3.083,-	3.083,-	3.083,-	3.083,-	3.083,-	3.083,-	3.083,-	3.083,-	3.083,-	3.083,-
91	Double pressure relief valve with diverter	€	979,-	979,-	979,-	979,-	979,-	979,-	979,-	979,-	979,-	979,-	979,-
115	Water filter	€	512,-	512,-	512,-	512,-	512,-	512,-	512,-	512,-	512,-	512,-	805,-
122	Evaporator single pump (low lift)	€	1.195,-	1.195,-	1.272,-	1.272,-	1.272,-	2.108,-	2.108,-	2.108,-	2.108,-	2.108,-	1.957,-
123	Evaporator single pump (high lift)	€	1.373,-	1.373,-	1.462,-	1.462,-	1.462,-	2.426,-	2.426,-	2.426,-	2.426,-	2.426,-	2.251,-
Electrical / Control													
04	Dol starter	€	Standard									Not available	
132	Part winding start	€	Not available									Standard	
10	Double setpoint	€	Standard										
68	Hour run meter	€	Standard										
69	General fault contactor	€	Standard										
97	Main switch interlock door	€	Standard										
128	Master/Slave	€	Standard										
06	Soft starter	€	2.779,-	2.532,-	2.287,-	2.450,-	2.613,-	2.806,-	2.998,-	3.188,-	3.378,-	Not available	
15a	Control expansion pack including (under / over voltage control, setpoint reset, demand limit, alarm from external device, expansion card pol965)	€	402,-	402,-	402,-	402,-	402,-	402,-	402,-	402,-	402,-	402,-	402,-
17	Capacitors for power factor correction	€	746,-	746,-	746,-	746,-	746,-	746,-	1.317,-	1.317,-	1.317,-	1.842,-	1.842,-
58	Evaporator flow switch	€	231,-	231,-	231,-	231,-	231,-	231,-	231,-	231,-	231,-	231,-	231,-
95	Compressors circuit breakers	€	312,-	324,-	339,-	339,-	339,-	382,-	427,-	445,-	461,-	1.570,-	2.678,-
102	Ground fault relay	€	775,-	775,-	775,-	775,-	775,-	775,-	775,-	775,-	775,-	775,-	775,-
Installation													
75	Rubber anti vibration mounts	€	195,-	195,-	195,-	195,-	195,-	195,-	195,-	195,-	195,-	195,-	195,-
Communication cards / Accessories													
EKCM200J	BMS card (ModBUS-RTU)	€	299,-	299,-	299,-	299,-	299,-	299,-	299,-	299,-	299,-	299,-	299,-
EKCM3ACN5TP	BMS card (BacNet/ MSTP)	€	357,-	357,-	357,-	357,-	357,-	357,-	357,-	357,-	357,-	357,-	357,-
EKCM1LON	BMS card (LonWorks)	€	348,-	348,-	348,-	348,-	348,-	348,-	348,-	348,-	348,-	348,-	348,-

EWLQ-L-SS

Standard efficiency rating, two refrigerant circuits

- › Dual refrigerant circuit (scroll compressors) with single evaporator
- › For chilled water production, to be combined with a remote condensing unit
- › Compact design to allow easy indoor installation or retrofit operations
- › High efficiency and reliable scroll compressor
- › Stainless steel plate heat exchanger



Type of unit (rated power in accordance with EN14511)	EWLQ-L-SS	180	205	230	260	290	330
Price	€	31.147,-	31.404,-	33.683,-	35.876,-	38.332,-	41.465,-
Commissioning ordered from DAIKIN is mandatory		Price on request on project quotation based					
Cooling capacity	kW	173	197	224	249	279	317
Power input	kW	44,3	51,1	57,9	65,6	73,2	83,8
Refrigerant circuit		2	2	2	2	2	2
Compressors		4	4	4	4	4	4
EER		3,91	3,86	3,87	3,79	3,81	3,78
Length	mm	2.801	2.801	2.801	2.801	2.801	2.801
Width	mm	928	928	928	928	928	928
Height	mm	1.970	1.970	1.970	1.970	1.970	1.970
Weight of unit / Operating weight	kg	832/894	1.007/1.081	1.202/1.292	1.252/1.345	1.333/1.436	1.380/1.486
Sound power / Sound pressure (at 1m)	dB(A)	83/65	86/68	88/70	90/72	91/74	91/74

Optional accessories for chiller:

Code	Type of unit	EWLQ-L-SS	180	205	230	260	290	330
Mechanical								
20	Evaporator victaulic kit	€	Standard					
29	20mm evaporator insulation	€						
60	Electronic expansion valve	€						
08	Brine version	€	979,-	979,-	979,-	979,-	979,-	979,-
126	Discharge and suction line shut-off valve	€	1.638,-	1.638,-	1.638,-	1.638,-	1.638,-	1.638,-
127	High and low pressure side manometers	€	534,-	534,-	534,-	534,-	534,-	534,-
76-c	Sound proof system (compressors jacket)	€	2.188,-	1.984,-	1.779,-	1.779,-	1.779,-	1.779,-
76-b	Sound proof system (compressor)	€	6.165,-	6.165,-	6.165,-	6.165,-	6.165,-	6.165,-
91	Double pressure relief valve with diverter	€	1.465,-	1.465,-	1.465,-	1.465,-	1.465,-	1.465,-
115	Water filter	€	512,-	512,-	512,-	512,-	512,-	805,-
122	Evaporator single pump (low lift)	€	Contact Factory					
123	Evaporator single pump (high lift)	€						
Electrical / Control								
04	Dol starter	€	Standard					
10	Double setpoint	€						
68	Hour run meter	€						
69	General fault contactor	€						
97	Main switch interlock door	€						
128	Master/Slave	€	Not available					
132	Part winidng start	€						
06	Soft starter	€	5.997,-	5.494,-	4.997,-	5.337,-	5.681,-	6.076,-
15a	Control expansion pack including (under / over voltage control, setpoint reset, demand limit, alarm from external device, expansion card POL965)	€	402,-	402,-	402,-	402,-	402,-	402,-
17	Capacitors for power factor correction	€	1.368,-	1.368,-	1.368,-	1.368,-	1.368,-	1.368,-
58	Evaporator flow switch	€	231,-	231,-	231,-	231,-	231,-	231,-
95	Compressors circuit breakers	€	618,-	645,-	671,-	671,-	671,-	760,-
102	Ground fault relay	€	775,-	775,-	775,-	775,-	775,-	775,-
Installation								
75	Rubber anti vibration mounts	€	276,-	276,-	276,-	276,-	276,-	276,-
Communication cards / Accessories								
EKCM200J	BMS card (ModBUS-RTU)	€	299,-	299,-	299,-	299,-	299,-	299,-
EKCM200MSTP	BMS card (BacNet/ MSTP)	€	357,-	357,-	357,-	357,-	357,-	357,-
EKCM200LON	BMS card (LonWorks)	€	348,-	348,-	348,-	348,-	348,-	348,-

NEW iCM is available in two versions:

Standard



(Configuration)



Standard version
Configurable controller with a pre-set library of applications. The standard system is divided into three configurations according to how many chillers and peripherals it can manage.

Customised



(Free-programmable)



Customised version
Free-programmable controller for those applications not covered by the Standard version.

ICMPAF

ICMPAL		ICMPAL		ICMPAL		ICMPAL	
ICMPAB		ICMPAB		ICMPAB		ICMPAB	

intelligent Chiller Manager		
iCM Basic[®] , for evaporator side management up to 8 chiller manageable (without peripheral device)		EKDICMPAB € 6.537,-
iCM Light[®] , for evaporator side management up to 8 chiller, up to 4 evaporator pumps, up to 4 evaporator shut-off valves, 1 bypass valve (evaporator side) manageable		EKDICMPAL € 15.815,-
iCM Full[®] , for evaporator side management up to 8 chiller, up to 8 evaporator pumps, up to 8 evaporator shut-off valves, 1 bypass valve (evaporator side) manageable		EKDICMPAF € 23.554,-
iCM Customised based on ad hoc specifications		€ on request

iCMPWF

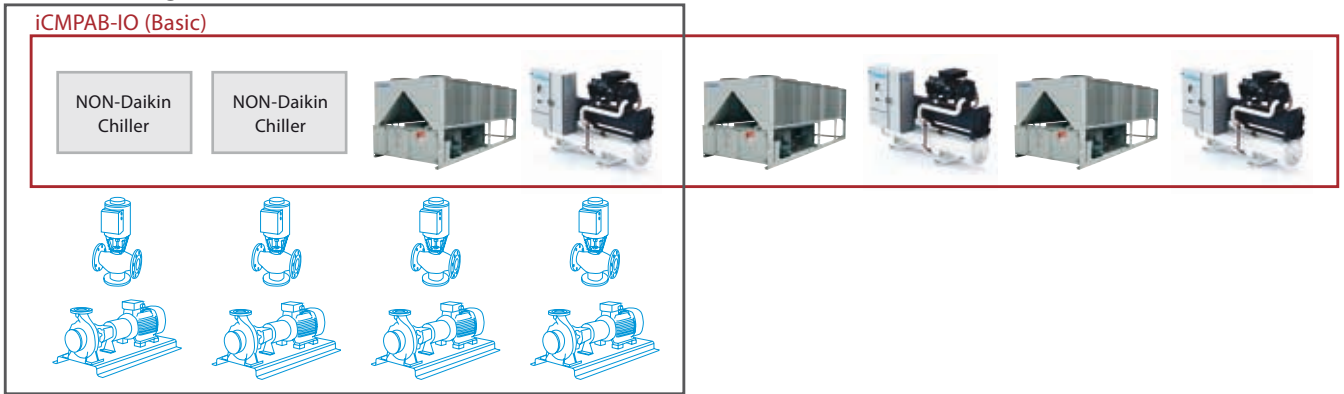
iCMPWL		iCMPWL		iCMPWL		iCMPWL	
iCMPAB		iCMPAB		iCMPAB		iCMPAB	

intelligent Chiller Manager		
iCM Light , for evaporator and condenser side management up to 8 chillers, up to 4 evaporator pumps and 4 condenser pumps, up to 4 evaporator and 4 condenser shut-off valves, 1 bypass valve (evaporator side), 1 bypass valve (condenser side) manageable		EKDICMPWL € on request
iCM Full , for evaporator and condenser side management up to 8 chillers, up to 8 evaporator pumps and 8 condenser pumps, up to 8 evaporator and 8 condenser shut-off valves, 1 bypass valve (evaporator side), 1 bypass valve (condenser side) manageable		EKDICMPWF € on request

intelligent Chiller Manager - iCM

iCMPAL-IO (Light)

iCMPAB-IO (Basic)

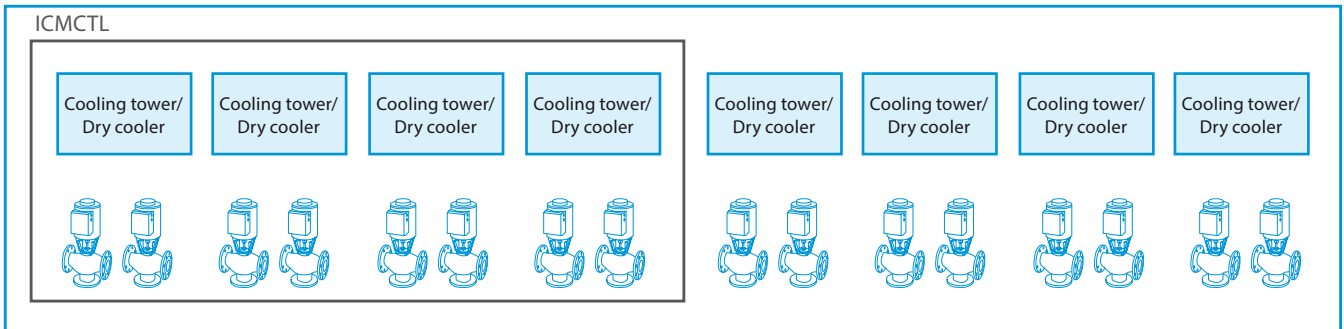


intelligent Chiller Manager

iCM Basic , for evaporator side management of Daikin and Non-Daikin Chiller up to 8 chillers (up to 2 non-Daikin) manageable	€	EKDICMPAB-IO on request
iCM Light , for evaporator side management of Daikin and Non-Daikin Chiller up to 8 chillers (up to 2 non-Daikin), up to 4 evaporator pumps, up to 4 evaporator shut-off valves, 1 bypass valve (evaporator side) manageable	€	EKDICMPAL-IO on request

ICMCTF

ICMCTL



intelligent Chiller Manager

ICM Light , for Cooling tower/Dry Cooler management up to 4 Cooling tower/Dry Cooler, up to 4 fan, up to 4 sump valves, up to 4 spray valves manageable	€	EKDICMCTL on request
ICM Full , for Cooling tower/Dry Cooler management up to 4 groups of Cooling tower/Dry Cooler, up to 8 fan, up to 8 sump valves, up to 8 spray valves manageable	€	EKDICMCTF on request

Scope and type of equipment which can be controlled by iCM

	Specification
Chiller (Dedicated/Manifolded)	≤8
Operating mode	Cooling
Evaporator pumps (CSD/VFD) & (Dedicated/Manifolded)	≤8
Shut-off valves (evaporator side)	≤8
Bypass valve (evaporator side)	✓
Condenser pumps (CSD/VFD) & (Dedicated/Manifolded)	≤8
Shut-off valves (condenser side)	≤8
Bypass valve (condenser side)	✓
Cooling tower/Dry cooler fans (CSD/VFD)	≤(8x3)

Commissioning and Installation iCM ⁽²⁾	
iCM Basic Configuration and settings, fine tuning on site	€ CE.S_ICM_AS_BASIC on request
iCM Light Configuration and settings, wiring test, fine tuning on site	€ CE.S_ICM_AS_LIGHT on request
iCM Full Configuration and settings, wiring test, fine tuning on site	€ CE.S_ICM_AS_FULL on request
iCM Customised	€ CE.S_ICM_AS_COM on request

Notes:

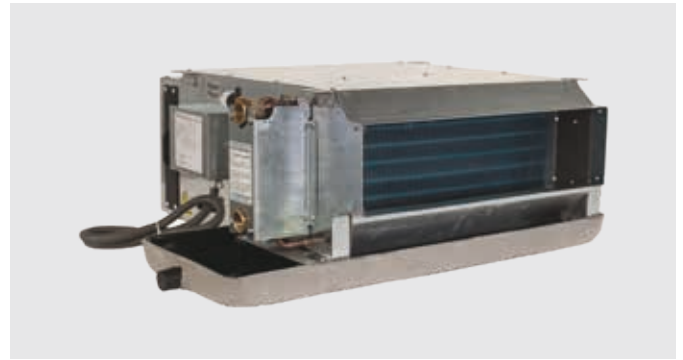
(1)The iCM option is compatible for the following chiller series: EWHA~TZB, EWAD~TZB, EWAD~T- (B), EWAQ~G-, EWAQ~E (single), EWAQ~F (dual), EWAT_B (single), EWAT_B (dual), EWAD~CZ, EWAD~CF, EW_Q-G, EW_Q-L, EWWD~G-, EWLD~G-, EWLD~I-, EWWD~J-, EWLD~J-, EWWH~VZ A, EWWD~VZ A, EWWH~DZ, EWWD~DZ, DWSC & DWDC, WTC. Daikin chiller not in this list and non-Daikin (3rd party) chillers, can be managed by EKDICMPAB/L-IO.

(2) Note that the price are net installer prices.





FWE-C

AC fan motor unit for horizontal concealed mounting

- › 2-pipe and 4-pipe units in 7 sizes
- › 4-speed fan motor
- › External pressure max. 40 Pa
- › System pressure max. 16 bar
- › Water temperature from + 3°C to +70°C
- › Air temperature from +10°C to +36°C
- › Factory mounted valve (both left and right side)
- › Condensate pump not included
- › Water connections and electrical connections standard - left



Low ESP duct unit FWE-C		02	03	04	06	07	08	10
FWE**CT- , 2 pipe unit, standard, without valves	€	254,-	285,-	310,-	402,-	432,-	510,-	612,-
FWE**CTV , 2 pipe unit, with 3-ways 230V on/off valve, factory mounted	€	415,-	447,-	473,-	563,-	591,-	662,-	760,-
FWE**CTT , 2 pipe unit, with 2-ways 230V on/off valve, factory mounted	€	340,-	372,-	395,-	488,-	514,-	586,-	686,-
Cooling capacity (Total at Super High Speed) ⁽¹⁾	kW	2,17	3,22	4,34	6,06	6,83	7,84	9,96
Heating capacity (2-pipe at Super High Speed) ⁽²⁾	kW	2,79	4,28	5,61	7,66	9,26	10,50	13,00
Airflow	m ³ /h	430	638	910	1.195	1.559	1.753	2.177
Sound power level	dB(A)	51	61	58	62	62	64	65
FWE**CF- , 4 pipe unit, standard, without valves	€	295,-	332,-	361,-	465,-	495,-	582,-	686,-
FWE**CFV , 4 pipe unit, with 3-ways 230V on/off valves, factory mounted	€	590,-	627,-	653,-	753,-	784,-	864,-	964,-
FWE**CFT , 4 pipe unit, with 2-ways 230V on/off valves, factory mounted	€	478,-	514,-	542,-	640,-	671,-	753,-	852,-
Cooling capacity (Total at Super High Speed) ⁽¹⁾	kW	2,10	3,16	3,98	6,05	6,78	7,79	9,91
Heating capacity (4-pipe at Super High Speed) ⁽³⁾	kW	2,30	3,53	4,56	6,17	7,60	8,52	10,40
Airflow (High Speed)	m ³ /h	416	626	835	1.193	1.548	1.742	2.166
Sound power level (High Speed)	dB(A)	51	61	58	62	62	64	65

Accessories for FWE-C 02		02	03	04	06	07	08	10
 2 pipes 3-ways on/off 230V valve kit On / Off function, including piping unit					EK2MV3B10C5			
	€				107,-			
 2 pipes 2-ways on/off 230V valve kit On / Off function, including piping unit					EK2MV2B10C5			
	€				91,-			
 4 pipes 3-ways on/off 230V valve kit On / Off function, including piping unit					EK4MV3B10C5			
	€				204,-			
 4 pipes 2-ways on/off 230V valve kit On / Off function, including piping unit					EK4MV2B10C5			
	€				176,-			

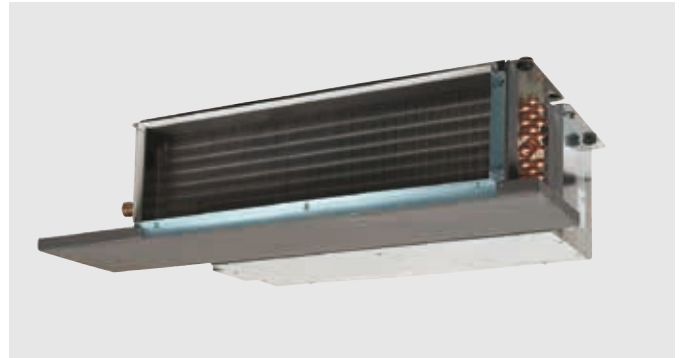
Notes:

- (1) Cooling: 2/4 pipe: air 27°CDB, 19°CWB; entering water 7°C; leaving water 12°C
- (2) Heating: 2 pipe: air 20°CDB, entering water 50°C, water flow as per cooling mode
- (3) Heating: 4 pipe: air 20°CDB, entering water 50°C, leaving water 40°C





FWB-B

AC fan motor unit for horizontal concealed mounting

- › Low sound power levels and electrical absorption thanks to plastic impeller and improved electric motor
- › 2-pipe devices in 9 sizes
- › 7- speed fan motor
- › 3, 4 or 6 stage row cooling coil
- › External pressure max. 80 Pa
- › System pressure max. 10 bar
- › Water temperature from + 5 °C to + 95 °C
- › Air temperature from + 5 °C to + 43 °C
- › Factory mounted 3-way valve
- › Additional heating coil or factory -installed electric heater available
- › Condensate pump not included












Medium ESP duct unit FWB-B		02	03	04	05	06	07	08	09	10
FWB**BTN , 2 pipe unit, standard, without valves	€	486,-	519,-	549,-	664,-	688,-	753,-	909,-	962,-	1.022,-
FWB**BTV , 2 pipe unit, with 3-ways 230V on/off valve, factory mounted	€	644,-	677,-	707,-	820,-	844,-	909,-	1.075,-	1.124,-	1.188,-
FWB**BTNE , 2 pipe unit, without valves and electric heater, factory mounted	€	784,-	818,-	850,-	998,-	1.020,-	1.083,-	1.261,-	1.315,-	1.376,-
FWB**BTVE , 2 pipe unit, with 3-ways 230V on/off valve and electric heater, factory mounted	€	940,-	973,-	1.005,-	1.152,-	1.177,-	1.237,-	1.428,-	1.478,-	1.543,-
Cooling capacity (Total at High Speed) ⁽¹⁾	kW	2,32	2,82	3,13	4,47	4,74	5,69	5,70	6,48	7,65
Heating capacity (2-pipe at High Speed) ⁽²⁾	kW	2,54	2,80	3,00	4,70	5,15	5,56	5,95	6,57	7,18
Heating capacity (4-pipe at High Speed) ⁽³⁾	kW	3,97	3,97	3,97	6,97	6,97	6,97	16,44	16,44	16,44
Electric heater power input	kW	2,0	2,0	2,0	2,5	2,5	2,5	3,0	3,0	3,0
Airflow (High Speed)	m ³ /h	371	371	371	722	722	722	905	905	905
Sound power level (High Speed)	dB(A)	58	58	58	60	60	60	69	69	69

Accessories for FWB-B		02	03	04	05	06	07	08	09	10
 Additional single row heat exchanger max. + 95 °C water temperature	€	EAH04A6			EAH07A6			EAH10A6		
		187,-			209,-			274,-		
 3-way valve add. h/e Actuator 230V included	€	E2MV307A6						E2MV310A6		
		198,-						198,-		
 2-way valve add. h/e Actuator 230V included	€	E2MV207A6						E2MV210A6		
		102,-						107,-		
 Fan stop thermostat Nedeed with controller FWEC1A	€	YFSTA6								
		18,-								
Drain pump	€	CDRP1A								
		207,-								
Plenum box insulated with circular connections (supply side)	€	EPAA02A6			EPAA05A6			EPAA08A6		
		122,-			156,-			226,-		

Notes:

- (1) Cooling: indoor temp. 27°CDB, 19°CWB; entering water temp. 7°C, water temperature rise 5K.
- (2) Heating: indoor temp. 20°CDB, 15°CWB; entering water temp. 45°C, water temperature drop 5K.
- (3) Heating: 4 pipe: air 20°CDB, entering water 70°C, leaving water 60°C

FWE-C, FWB-B

FWE-C		02	03	04	-	06	07	08	-	10
FWB-B		02	03	04	05	06	07	08	09	10
	Electronic Controller - standard version It can operate with 3 speeds of fan only, if it also manages 2 valves on 4-pipes unit ; on/off control valve; heating/cooling function; digital input for external release or window contact									
	€									99,-
	Electronic Controller - advanced version 3 or 4 stages speed controller; on/off control valve; heating/cooling function; digital input for external release or window contact; master/slave function via RS485 (ModBus protocol)									
	€									155,-
	Electronic Controller - advanced plus version 3 or 4 stages speed controller (or stepless for EC motor); on/off control valve; heating/cooling function; digital input for external release or window contact; master/slave function via RS485 (ModBus protocol); timer with weekly program and illuminated LCD									
	€									212,-
Split type electronic controller		FWECSAP+FWECSAC								
	FWECSAP power control board 3 digital inputs and 1 configurable digital output; 3 analogue outputs 0-10V; Bus communication via RS485 (ModBus protocol); master/slave function up to 256 devices									
	€									140,-
	FWECSAC control panel for remote or on board installation 3 or 4 stages speed controller; on/off or modulating control valve; heating/cooling function; digital input for external release or window contact; digital input for central heating/cooling changeover; master/slave function via RS485 (ModBus protocol); timer with weekly program and illuminated LCD									
	€									105,-
	Wall mounting kit (spacing collar) for FWEC1A /2A and 3A									
	€									16,-
	Temperature sensor kit for FWEC1A /2A and 3A; with 1.5 meters of cable									
	€									8,-
	Relative humidity sensor kit for FWEC2A and FWEC3A; with 1.5 meters of cable									
	€									23,-
	Master/Slave interface for connection of max. 4 devices to a remote control; max. 3.2 Amp. operating current per device connection									
	€									162,-

FWP-A

BLDC fan motor unit for horizontal concealed mounting.
Continuous air flow regulation and fan speed modulation.



- › Low sound level and up to 50% energy saving thanks to the BLDC motor technology
- › 2-pipe devices in 6 sizes
- › 3-stage fan motor
- › External pressure max. 80 Pa
- › System pressure max. 10 bar
- › Water temperature from + 5 °C to + 95 °C
- › Air temperature from + 5 °C to + 43 °C
- › Factory mounted 3-way valve

- › Additional heating coil or electric heater available
- › Condensate pump not included

Medium ESP duct unit with DC fan motor FWP-A		02	03	04	05	06	07
FWP**ATN , 2 pipe unit, standard, without valves	€	664,-	692,-	718,-	842,-	852,-	909,-
FWP**ATV , 2 pipe unit, with 3-ways 230V on/off valve, factory mounted	€	810,-	818,-	868,-	992,-	1.001,-	1.057,-
FWP**ATNE , 2 pipe unit, without valves and electric heater, factory mounted	€	946,-	977,-	1.005,-	1.158,-	1.168,-	1.226,-
FWP**ATVE , 2 pipe unit, with 3-ways 230V on/off valve and electric heater, factory mounted	€	1.096,-	1.126,-	1.150,-	1.305,-	1.317,-	1.374,-
Cooling capacity (Total at High Speed) ⁽¹⁾	kW	2,38	2,88	3,19	4,58	4,85	5,8
Heating capacity (2-pipe at High Speed) ⁽²⁾	kW	2,54	2,80	3,00	4,71	5,15	5,56
Heating capacity (4-pipe at High Speed) ⁽³⁾	kW	3,02	3,02	3,02	5,68	5,68	5,68
Electric heater power input	kW	2,0	2,0	2,0	2,5	2,5	2,5
Airflow (High Speed)	m ³ /h	371	371	371	722	722	722
Sound power level (High Speed)	dB(A)	58	58	58	60	60	60

Accessories for FWP-A		02	03	04	05	06	07
Additional single row heat exchanger max. + 95 °C water temperature		EAH04A6			EAH07A6		
	€	187,-			209,-		
3-way valve add. h/e Actuator 230V included		E2MV307A6					
	€	198,-					
2-way valve add. h/e Actuator 230V included		E2MV207A6					
	€	102,-					
Drain pump		CDRP1A					
	€	207,-					
Plenum box (insulated with circular connections (supply side))		EPAA02A6			EPAA05A6		
	€	122,-			156,-		

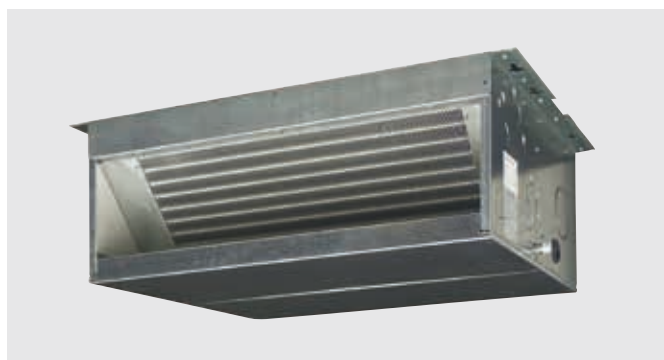
Notes:

- (1) Cooling: indoor temp. 27°CDB, 19°CWB; entering water temp. 7°C, water temperature rise 5K.
- (2) Heating: indoor temp. 20°CDB, 15°CWB; entering water temp. 45°C, water temperature drop 5K.
- (3) Heating: 4 pipe: air 20°CDB, entering water 70°C, leaving water 60°C

FWN-A








BLDC fan motor unit for horizontal or vertical mounting.
Continuous air flow regulation and fan speed modulation

- › Up to 70% energy savings with brushless DC motor technology compared to traditional technology
- › Instant adjustment to temperature and relative humidity changes
- › Low operating sound level
- › Highly flexible solutions: multiple sizes, piping topologies and connection valves
- › Available static pressure up to 70 Pa



2-pipe unit FWN**AT		04	05	06	07	08	10
Price	€	800,-	859,-	1.434,-	1.517,-	1.568,-	1.640,-
Cooling capacity (Total at High Speed) ⁽¹⁾	kW	3,91	4,76	6,17	6,81	7,83	8,75
Heating capacity (2-pipe at High Speed) ⁽²⁾	kW	4,85	5,79	7,67	8,65	9,46	10,70

4-pipe unit FWN**AF		04	05	06	07	08	10
Price	€	901,-	985,-	1.555,-	1.632,-	1.713,-	1.809,-
Cooling capacity (Total at High Speed) ⁽¹⁾	kW	3,88	4,72	6,06	6,69	7,70	8,60
Heating capacity (4-pipe at High Speed) ⁽³⁾	kW	4,48	4,45	6,53	6,44	9,13	9,07

Accessories for FWN-A		04	05	06	07	08	10
	Electric heater low capacity	EDEH04A6		EDEHS06A6		EDEHS10A6	
	Capacity	2,0		3,0		4,5	
	Price	€ 295,-		554,-		554,-	
	Electric heater high capacity	EDEH04A6		EDEHB06A6		EDEHB10A6	
	Capacity	2,0		6,0		9,0	
	Price	€ 295,-		554,-		554,-	
	2-pipe 3-way valve	ED2MV04A6		ED2MV10A6			
	Actuator 230V included	€ 209,-		219,-			
	4-pipe 3-way valve	ED4MV04A6		ED4MV10A6			
	Actuator 230V included	€ 400,-		424,-			
	Vertical drainpan	EDDPV10A6					
		€ 11,-					
	Horizontal drainpan	EDDPH10A6					
		€ 17,-					
	Fresh air intake	EDMFA04A6		EDMFA06A6		EDMFA10A6	
	Servomotor 24V ~ Incl. Positioner 0 ... 100%	€ 1.003,-		1.025,-		1.044,-	
Drain pump	€	CDRP1A 207,-					

Notes:

- (1) Cooling: Inlet/outlet water temperature 7/12 °C; inlet air temperature 27°C DB 19°C WB
 (2) Heating: 2 pipe: air 20°CDB, entering water 50°C, water flow as per cooling mode
 (3) Heating: 4 pipe: Inlet/outlet water temperature 70/60 °C; inlet air temperature 20°C DB

FWD-A

AC fan motor unit for horizontal concealed mounting

- › 2 and 4-pipe devices in 7 sizes
- › 3-stage fan motor
- › External pressure max. 120 Pa
- › System pressure max. 10 bar
- › Water temperature from + 5 ° C to + 95 ° C
- › Air temperature from + 5 ° C to + 43 ° C
- › Factory mounted 2 or 3 way valve
- › Condensate pump not included



2-pipe unit FWD**AT		04	06	08	10	12	16	18
Price	€	584,-	771,-	901,-	1.003,-	1.245,-	1.600,-	1.758,-
Cooling capacity (Total at High Speed) ⁽¹⁾	kW	3,90	6,20	7,80	8,82	11,90	16,40	18,30
Heating capacity (2-pipe at High Speed) ⁽²⁾	kW	4,05	7,71	9,43	10,79	14,45	19,81	21,92
Airflow	m ³ /h	800	1.250	1.600	1.600	2.200	3.000	3.000
Sound power level	dB(A)	66	69	72	72	74	78	78











4-pipe unit FWD**AF		04	06	08	10	12	16	18
Price	€	686,-	896,-	1.046,-	1.162,-	1.460,-	1.851,-	2.031,-
Cooling capacity (Total at High Speed) ⁽³⁾	kW	3,90	6,20	7,80	8,82	11,90	16,40	18,30
Heating capacity (4-pipe at High Speed) ⁽⁴⁾	kW	4,49	6,62	9,21	9,21	15,86	21,15	21,15
Airflow	m ³ /h	800	1.250	1.600	1.600	2.200	3.000	3.000
Sound power level	dB(A)	66	69	72	72	74	78	78

Accessories for FWD-A		04	06	08	10	12	16	18
Electric heater low capacity		EDEH04A6	EDEHS06A6	EDEHS10A6		EDEHS12A6	EDEHS18A6	
	kW	2,0	3,0	4,5	4,5	4,5	9,0	9,0
	€	295,-	554,-	554,-	554,-	565,-	635,-	635,-
Electric heater high capacity		EDEH04A6	EDEHB06A6	EDEHB10A6		EDEHB12A6	EDEHB18A6	
	kW	2,0	6,0	9,0	9,0	9,0	12,0	12,0
	€	295,-	554,-	554,-	554,-	565,-	635,-	635,-
2-pipe 3-way valve Actuator 230V included		ED2MV04A6		ED2MV10A6		ED2MV12A6	ED2MV18A6	
	€	209,-		219,-		200,-	230,-	
4-pipe 3-way valve Actuator 230V included		ED4MV04A6		ED4MV10A6		2 x ED2MV12A6	2 x ED2MV18A6	
	€	400,-		424,-		400,-	460,-	
Vertical drainpan		EDDPV10A6				EDDPV18A6		
	€	11,-				18,-		
Horizontal drainpan		EDDPH10A6				EDDPH18A6		
	€	17,-				23,-		
Fan stop thermostat		YFSTA6						
	€	18,-						
Fresh air intake Servomotor 24V ~ Incl. Positioner 0 ... 100%		EDMFA04A6	EDMFA06A6	EDMFA10A6		EDMFA12A6	EDMFA18A6	
	€	1.003,-	1.025,-	1.044,-		1.107,-	1.122,-	
Drain pump		CDRP1A						
	€	207,-						

Notes:

- (1) Cooling: 2 pipe: air 27°CDB, 19°CWB; entering water 7°C; leaving water 12°C at nominal air flow and ESP
- (2) Heating: 2 pipe: air 20°CDB; entering water 50°C; water flow as in cooling mode at nominal air flow and ESP
- (3) Rating conditions 4-pipe: air 27°CDB - 19°CWB - entering water 7°C - leaving water 12°C at nominal air flow and ESP
- (4) Rating conditions 4-pipe:g: 4-pipe: air 20°CDB - entering water 70°C - leaving water 60°C at nominal air flow and ESP

FWD-A

Controller for FWD		04	06	08	10	12	16	18	
	Electronic Controller - standard version It can operate with 3 speeds of fan only, if it also manages 2 valves on 4-pipes unit; on/off control valve; heating/cooling function; digital input for external release or window contact		FWEC1A			FWEC1A EPIB6 requested			
	€		99,-			99,-			
	Electronic Controller - advanced version 3 or 4 stages speed controller; on/off control valve; heating/cooling function; digital input for external release or window contact; master/slave function via RS485 (ModBus protocol)		FWEC2A			FWEC2A EPIB6 requested			
	€		155,-			155,-			
	Electronic Controller - advanced plus version 3 or 4 stages speed controller (or stepless for EC motor); on/off control valve; heating/cooling function; digital input for external release or window contact; master/slave function via RS485 (ModBus protocol); timer with weekly program and illuminated LCD		FWEC3A			FWEC3A EPIB6 requested			
	€		212,-			212,-			
Split type electronic controller		FWECSAP+FWECSAC							
	FWECSAP power control board 3 digital inputs and 1 configurable digital output; 3 analogue outputs 0-10V; Bus communication via RS485 (ModBus protocol); master/slave function up to 256 devices		FWECSAP						
	€		140,-						
	FWECSAC control panel for remote or on board installation 3 or 4 stages speed controller; on/off or modulating control valve; heating/cooling function; digital input for external release or window contact; digital input for central heating/cooling changeover; master/slave function via RS485 (ModBus protocol); timer with weekly program and illuminated LCD		FWECSAC						
			105,-						
	Wall mounting kit (spacing collar) for FWEC 1A /2A and 3A	€	FWFCKA						
			16,-						
	Temperature sensor kit for FWEC*A; with 1.5 meters of cable	€	FWTSKA						
			8,-						
	Relative humidity sensor kit for FWEC2A and FWEC3A; with 1.5 meters of cable	€	FWHSKA						
			23,-						
	Master/Slave interface for connection of max. 4 devices to a remote control; max. 3.2 Amp. operating current per device connection	€	EPIMSA6						
			162,-						
	Power interface for using electronic remote controller FWEC(1,2,3)A + new split controller FWECSA	€		-			EPIB6		
							162,-		

Notes:

For FWD size 12, 16 or 18 EPIB6 needs to be used for each FWD unit to connect to FWEC*A controllers.

If FWD size 12, 16 or 18 are used in Master/Slave application by using EPIMSA6 still EPIB6 needs to be used for each FWD to connect to EPIMSA6.







FWF-C

Fan coil

- › 2-pipe device
- › 3-stage fan motor
- › System pressure max. 16 bar
- › Water temperature from + 5 ° C to + 50 ° C (2-pipe devices)
- › Built-in high pressure drain pump with 700mm lift
- › Infrared remote control as standard with decoration panel kit
- › Switching group or bus communication not available



FWF-C cassette unit		02	03	04
FWF**CT, 2 pipe unit, incl. condensate pump, without valves	€	532,-	599,-	606,-
Cooling capacity (Total at High Speed) ⁽¹⁾	kW	2,49	4,1	4,54
Heating capacity (2-pipe at High Speed) ⁽²⁾	kW	3,52	4,69	5,28
Airflow	m ³ /h	646	680	748
Sound power level	dB(A)	52	54	56

Accessories FWF-C		02	03	04
 Decoration panel 2-pipe⁽³⁾ Incl. wireless controller	€		DCP600TC 195,-	
 Standard wired remote control	€		MERCA 143,-	
 Simplified wired remote control (cooling only)	€		SRC-COA 72,-	
 Simplified wired remote control (heating only)	€		SRC-HPA 72,-	
 Wireless control	€		WRC-HPC 29,-	
 2-pipe 3-way valve Actuator 230V and assembling kit included	€		MCKCW2T3VN 132,-	





FWT-C

Fan coil

- › 2-pipe devices in 5 sizes
- › 3-stage fan motor
- › Condensate pump not included
- › 2-way or 3-way valve required (not included)



FWT-C wall mounted unit		02	03	04	05	06
FWT**CT, 2 pipe unit, without valves	€	334,-	374,-	380,-	517,-	527,-
Cooling capacity (Total at High Speed) ⁽¹⁾	kW	2,43	2,7	3,31	4,54	5,28
Heating capacity (2-pipe at High Speed) ⁽²⁾	kW	3,22	3,52	4,4	6,01	7,33
Airflow	m ³ /h	442	476	629	866	1.053
Sound power level	dB(A)	45	48	55	55	59

Accessories FWT-C		02	03	04	05	06
 Standard wired remote control	€			MERCA 143,-		
 Simplified wired remote control (cooling only)	€			SRC-COA 72,-		
 Simplified wired remote control (heating only)	€			SRC-HPA 72,-		
 Wireless control	€			WRC-HPC 29,-		

Notes:

- (1) Cooling: 2 pipe: air 27°CDB, 19°CWB; entering water 7°C; leaving water 12°C.
- (2) Heating: 2 pipe: air 20°CDB; entering water 50°C; leaving water as per cooling GPM.
- (3) Decoration panel is mandatory.






FWG-A

Cassette fan coils with DC fan motor

- › Low sound level and up to 70% energy saving thanks to the BLDC motor technology
- › Infrared remote control is standard with decoration panel kit
- › High efficiency, continuous air flow regulation and fan speed modulation
- › 2-pipe or 4-pipe device
- › System pressure max. 16 bar
- › Water temperature from + 5°C to + 50°C for 2-pipe devices
- › Water temperature from + 5°C to + 70°C for 4-pipe devices
- › Built-in high pressure drain pump with 700mm lift
- › Switching group or bus communication not available



FWG - A cassette unit		05	08	11
FWG**AT 2 pipe unit , incl, condensate pump, without valves	€	1.113,-	1.224,-	1.294,-
Cooling Capacity (Total at High Speed) ⁽¹⁾	kW	5,90	8,80	11,75
Heating Capacity (2 pipe at High Speed) ⁽²⁾	kW	7,10	11,20	13,70
Airflow	m ³ /h	1.053	1.512	1.800
Sound power level	dB(A)	46	57	59
FWG**AF 4 pipe unit , incl, condensate pump, without valves	€	1.218,-	1.333,-	1.400,-
Cooling Capacity (Total at High Speed) ⁽¹⁾	kW	4,40	7,20	9,00
Heating Capacity (4 pipe at High Speed) ⁽³⁾	kW	7,65	11,20	15,65
Airflow	m ³ /h	1.053	1.512	1.800
Sound power level	dB(A)	46	57	59

Accessories for FWG - A ⁽⁴⁾		05	08	11
 Decoration Panel / FWG AT 2 pipes include GS02 wireless controller	€		DCP900BTA 175,-	
 Decoration Panel / FWG AF 4 pipes include GS02 wireless controller	€		DCP900BFA 175,-	
 Wired controller	€		BRC51A61 108,-	
Wireless controller Decoration panel already include	€		Type GS02 Decoration panel already included	
 Valve kit 3-ways ON/OFF 230 V 2 pipe version	€		VKFWGA012T3V 130,-	VKFWGA022T3V 140,-
 Valve kit 3-ways ON/OFF 230 V 4 pipe version	€		VKFWGA014T3V 262,-	VKFWGA024T3V 273,-

Notes:

(1) Cooling: air 27°CDB, 19°CWB; entering water 7°C; leaving water 12°C

(2) Heating: 2 pipe: air 20°CDB; entering water 50°C

(3) Heating: 4 pipe: air 20°CDB; entering water 70°C; leaving water 60°C

(4) Decoration panel is mandatory

FWF-B

Fan coil

- › Compact casing (570mm in width and depth) enables unit to fit flush into ceilings and match standard architectural modules, without cutting ceiling tiles
- › Optional fresh air intake
- › System pressure max. 16 bar
- › Water temperature from + 5°C to + 50°C for 2-pipe devices
- › Water temperature from + 5°C to + 70°C for 4-pipe devices
- › Standard drain pump with 750mm lift increases flexibility and installation speed
- › Possibility to shut 1 or 2 flaps for easy installations in corners.



FWF-B cassette unit		02	03	04	05
FWF**BT, 2 pipe unit, incl. condensate pump, without valves	€	738,-	809,-	869,-	916,-
Cooling capacity (Total at Super High Speed) ⁽¹⁾	kW	2,00	3,20	4,20	5,20
Heating capacity (2-pipe at Super High Speed) ⁽²⁾	kW	2,90	4,00	5,40	6,70
Airflow	m ³ /h	468	468	660	876
Sound power level	dB(A)	44	44	50	55
FWF**BF, 4 pipe unit, incl. condensate pump, without valves	€	822,-	894,-	937,-	984,-
Cooling capacity (Total at Super High Speed) ⁽¹⁾	kW	2,00	2,70	3,50	4,50
Heating capacity (4-pipe at Super High Speed) ⁽³⁾	kW	3,80	3,80	4,90	6,10
Airflow	m ³ /h	468	438	618	822
Sound power level	dB(A)	44	46	52	57

Notes:

Decoration panel is mandatory, it is included with other accessories in table on page 60.

(1) Cooling: air 27°CDB, 19°CWB; entering water 7°C; leaving water 12°C

(2) Heating: 2 pipe: air 20°CDB; entering water 50°C

(3) Heating: 4 pipe: air 20°CDB; entering water 70°C; leaving water 60°C

FWC-B

Fan coil

- › 360° air discharge ensures uniform air flow and temperature distribution
- › Optional fresh air intake
- › System pressure max. 16 bar
- › Water temperature from + 5°C to + 50°C for 2-pipe devices
- › Water temperature from + 5°C to + 70°C for 4-pipe devices
- › Standard drain pump with 850mm lift
- › Possibility to shut 1 or 2 flaps for easy installation in corners



FWC-B cassette unit ⁽⁴⁾		06	07	08	09
FWC**BT, 2 pipe unit, incl. condensate pump, without valves	€	1.068,-	1.100,-	1.152,-	1.194,-
Cooling capacity (Total at Super High Speed) ⁽¹⁾	kW	5,80	6,80	7,70	8,70
Heating capacity (2-pipe at Super High Speed) ⁽²⁾	kW	8,00	8,90	10,60	12,10
Airflow	m ³ /h	1.062	1.236	1.518	1.776
Sound power level	dB(A)	43	47	53	57
FWC**BF, 4 pipe unit, incl. condensate pump, without valves	€	1.141,-	1.177,-	1.215,-	1.256,-
Cooling capacity (Total at Super High Speed) ⁽¹⁾	kW	5,80	6,60	7,60	8,70
Heating capacity (4-pipe at Super High Speed) ⁽³⁾	kW	7,50	8,40	9,70	11,00
Airflow	m ³ /h	1.032	1.200	1.476	1.746
Sound power level	dB(A)	43	47	53	57

Notes:

(1) Cooling: air 27°CDB, 19°CWB; entering water 7°C; leaving water 12°C














(2) Heating: 2 pipe: air 20°CDB; entering water 50°C

(3) Heating: 4 pipe: air 20°CDB; entering water 70°C; leaving water 60°C

(4) Decoration panel is mandatory, it is included with other accessories in table on page 60.












FWC-B, FWF-B

Accessories

Options		FWC-B	FWF-B
 Decoration Panel Round Flow Standard	€	BYCQ140C 283,-	-
 Decoration Panel 4-way blow	€	-	BYFQ60B3 283,-
Sealing member of air discharge outlet	€	KDBHQ55C140 116,-	KDBH44BA60 143,-
 Long-life filter	€	KAFP551K160 110,-	KAFQ441BA60 on request
 Panel spacer	€	-	KDBQ44B60 522,-
 Fresh air intake kit	€	CE.KDDQ55C140 578,-	KDDQ44XA60 174,-
 Remote Control Wired	€	122,-	BRC315D ⁽¹⁾ 122,-
 Central remote control Up to 64 groups can be controlled with a maximum of 128 devices per group	€	1.484,-	DCS302C51 ⁽²⁾ 1.484,-
Electrical box with earth terminal (3 blocks)	€	95,-	KJB311A 95,-
 Unified on/off control Up to 16 device groups can be controlled; operating indication given by LED	€	625,-	DCS301B51 ⁽⁵⁾ 625,-
Electrical box with earth terminal (2 blocks)	€	83,-	KJB212A 83,-
 Schedule timer 2 programmable on/off times per day; power reserve 48 hours	€	780,-	DST301B51 ⁽⁵⁾⁽⁸⁾ 780,-
 Wiring adapter for electrical appendices 1 Additional board for external control and monitoring; on/off; operating and fault message; setpoint specification via 0 ... 140 Ohm signal for entire F1 / F2 line.	€	379,-	KRP2A52 ⁽⁴⁾⁽⁸⁾ 379,-
 Wiring adapter for electrical appendices 2 Additional board for external control and monitoring; on/off; operating and fault message; setpoint specification via 0 ... 140 ohm Signal for a P1 / P2 line.	€	211,-	KRP4A53 ⁽⁴⁾⁽⁸⁾ 211,-
 Remote control Infrared H/P	€	BRC7F532F ⁽¹¹⁾ 180,-	BRC7E530 ⁽¹¹⁾ 180,-
 Remote control Infrared C/O	€	BRC7F533F ⁽¹¹⁾ 137,-	BRC7E531 ⁽¹¹⁾ 315,-

FWC-B, FWF-B

Accessories

Options	FWC-B	FWF-B
 Installation box for adapter PCB	KRP1H98A ⁽⁹⁾	KRP1BA101 ⁽⁹⁾
€	55,-	73,-
 Remote Sensor with 12 meters of cable	KRCS01-4	KRCS01-1
€	84,-	84,-
 Intelligent touch controller Up to 2 device groups can be controlled with a maximum of 64 devices per group	DCS601C51 ⁽³⁾⁽⁷⁾	
€	2.060,-	
 Electrical installation box	KJB411A	
€	156,-	
 Optional PCB for MOD-bus connection	EKFCMBCB ⁽⁴⁾⁽⁸⁾	
€	119,-	
 2-way valve - On/Off Actuator 230V and piping unit included	EKMV2C09B ⁽⁴⁾⁽⁶⁾⁽¹⁰⁾	
€	100,-	
 3-way valve - On/Off Actuator 230V and piping unit included	EKMV3C09B ⁽⁴⁾⁽⁶⁾⁽¹⁰⁾	
€	114,-	
 Valve control PCB	EKRP1C11	
€	87,-	
Remote "On/Off" and "forced off" kit	-	EKRORO ⁽¹²⁾
€		29,-
 Modbus Interface for monitoring and control Universal control adapter provides external control/ monitoring via 0-10 kΩ resistor or 0-10VDC input signals or floating contacts; operating or defrost signal, fault message as well as an interface to the Modbus protocol is possible; connection to P1 / P2 terminals (max 16 indoor units); a BRC remote control can be additionally connected	RTD-10	
€	356,-	
 Modbus Interface for monitoring and control Modbus Adapter provides a communication interface to the Modbus protocol P1/P2 (maximum 16 internal devices); all indoor units are controlled simultaneously, monitoring is done individually per unit; a BRC remote control can be additionally connected	RTD-NET	
€	266,-	
 Modbus Interface DIII External control via the building management system; connection to maximum 64 devices	EKMBOXA	
€	3.069,-	

Notes:

- Optional, electrical installation box with earth terminal KJB212A is required, if controller wires need to be installed in the wall.
 - Requires electrical installation box with earth terminal KJB311A.
 - Requires electrical installation box KJB411A.
 - Requires installation box KRP1H98A for FWC-B and KRP1BA101 for FWF-B.
 - Requires electrical installation box with earth terminal KJB212A, if built in the wall.
 - Requires valve control PCB EKRP1C11.
 - I-touch:
 - Not allowed to use the i-touch for an installation with both fan coils and VRV units.
 - Can not be used in combination with fan coil units, that use MOD bus communication.
 - No Airnet or telephone connection possible.
 - Only 1 of these 4 options can be installed on 1 indoor unit.
 - FWC -B: Max. 1 KRP1H98A box can be mounted on the unit.
Max. 2 PCB's can be mounted in 1 KRP1H98A box.
FWF-B: Max. 2 KRP1BA101 boxes can be mounted on the unit.
Max. 1 PCB can be mounted in 1 KRP1BA101 box.
 - FWC-B - 2-pipe unit: 1 x valve kit + 1 x installation box for PCB KRP1H98A + 1 x valve control PCB EKRP1C11
FWC-B - 4-pipe unit: 2 x valve kit + 1 x installation box for PCB KRP1H98A + 1 x valve control PCB EKRP1C11
FWF-B - 2-pipe unit: 1 x valve kit + 1 x installation box for PCB KRP1BA101 + 1 x valve control PCB EKRP1C11.
FWF-B - 4-pipe unit: 2 x valve kit + 1 x installation box for PCB KRP1BA101 + 1 x valve control PCB EKRP1C11.
 - It is possible to change the operation mode, but this will not have an impact on the water temperature.
(No feed back to water source)
It is not possible to select the "auto air flow" setting.
Dry operation can be selected with this remote control, but this function is not available on the FWC-B / FWF-B model.
 - This option is needed to create T1 T2 wire.
- All options are supplied as kit.

FWV-D

AC fan motor unit for vertical mounting

- › 2-pipe and 4-pipe devices in 10 sizes
- › 3-stage fan motor
- › System pressure max. 10 bar
- › Water temperature from + 5°C to + 95°C
- › Factory mounted 3 way valve
- › Condensate pump not included
- › Water connections standard - left
- › Electrical connections standard - right
- › Valve packages are insulated, no extra drain pan required



Low Wall unit FWV		01	15	02	25	03	35	04	06	08	10
FWV**DTN , 2 pipe unit, standard, without valve	€	325,-	341,-	359,-	385,-	395,-	433,-	456,-	491,-	651,-	740,-
FWV**DTV , 2 pipe unit, with 3-way on/off 230V valve, factory mounted	€	551,-	570,-	588,-	613,-	623,-	665,-	688,-	725,-	903,-	992,-
FWV**DATD6V3--- , 2 pipe unit, with simplified 3-way on/off 230V valve, factory mounted	€	421,-	434,-	451,-	478,-	488,-	521,-	551,-	586,-	742,-	823,-
Cooling capacity (Total) ⁽¹⁾	kW	1,54	1,74	1,96	2,42	2,93	3,51	4,33	4,77	6,71	8,02
Heating capacity (2-pipe at High Speed) ⁽²⁾	kW	2,14	2,20	2,57	3,20	3,81	4,78	5,10	5,95	7,83	10,03
Airflow	m ³ /h	319	344	344	442	442	640	706	785	1.011	1.393
Sound power level	dB(A)	47	49	50	48	48	52	53	56	61	67
FWV**DFN , 4 pipe unit, standard, without valves	€	376,-	398,-	414,-	443,-	458,-	495,-	529,-	573,-	748,-	835,-
FWV**DFV , 4 pipe unit, with 3-way on/off 230V valves, factory mounted	€	788,-	808,-	822,-	854,-	868,-	906,-	940,-	981,-	1.179,-	1.268,-
FWV**DAFD6V3--- , 4 pipe unit, with simplified 3-way on/off 230V valves, factory mounted	€	582,-	599,-	618,-	642,-	658,-	693,-	738,-	779,-	954,-	1.037,-
Cooling capacity (Total) ⁽¹⁾	kW	1,46	1,69	1,79	2,38	2,87	3,46	4,26	4,67	6,64	7,88
Heating capacity (4-pipe at High Speed) ⁽³⁾	kW	1,90	2,02	2,01	2,92	3,08	4,80	5,05	5,30	7,91	8,35
Airflow	m ³ /h	307	330	327	432	431	628	690	763	998	1.362
Sound power level	dB(A)	45	79	50	48	47	51	56	59	60	66

Factory mounted options		01	15	02	25	03	35	04	06	08	10
3-way on/off 24V valve	€	on request									
3-way proportional on/off valves	€	on request									
2-way on/off 230V valve	€	on request									
2-way on/off 24V valves	€	on request									
2-way proportional on/off valve	€	on request									
4-rows coil (for 2 pipe unit only)	€	on request									
6-speeds fan motor	€	-								-	on r.
Electric heater (for 2 pipe unit only)	€	on request									

Factory mounted options		01	15	02	25	03	35	04	06	08	10
FWEC1A Standard version	€	on request									
FWEC2A Advanced version	€	on request									
FWEC3A Advanced Plus version	€	on request									
FWEC3AP Power control board	€	on request									

Notes:

- (1) Cooling: air 27°CDB, 19°CWB; entering water 7°C; leaving water 12°C
- (2) Heating: 2 pipe: air 20°CDB; entering water 50°C; water flow rate as during cooling
- (3) Heating: 4 pipe: air 20°CDB; entering water 70°C; leaving water 60°C

Accessories as kits are included on page 65.

Additional single row h/e (4-row coil) can not be used in combination with electric heater.

Independent power supply is necessary for 24 V valve. FWEC1/2/3A are not suitable to control 24 V valve.

Controller FWEC3A is necessary for proportional valve.

Cooling capacity is related to High Speed, standard unit.

FWL-D

AC fan motor unit for horizontal or vertical mounting

- › 2-pipe and 4-pipe devices in 10 sizes
- › 3-stage fan motor
- › System pressure max. 10 bar
- › Water temperature from + 5°C to + 95°C
- › Factory mounted 3 way valve
- › Condensate pump not included
- › Water connections standard - left
- › Electrical connections standard – right
- › Valve packages are insulated, no extra drain pan required



Flexible unit FWL		01	15	02	25	03	35	04	06	08	10
FWL**DTN , 2 pipe unit, standard, without valve	€	340,-	360,-	382,-	400,-	423,-	457,-	480,-	517,-	695,-	788,-
FWL**DTV , 2 pipe unit, with 3-way on/off 230V valve, factory mounted	€	565,-	585,-	603,-	623,-	646,-	685,-	710,-	748,-	946,-	1.035,-
FWL**DATD6V3--- , 2 pipe unit, with simplified 3-way on/off 230V valve, factory mounted	€	531,-	549,-	576,-	597,-	627,-	663,-	699,-	742,-	954,-	1.059,-
Cooling capacity (Total) ⁽¹⁾	kW	1,54	1,74	1,96	2,42	2,93	3,51	4,33	4,77	6,71	8,02
Heating capacity (2-pipe at High Speed) ⁽²⁾	kW	2,14	2,20	2,57	3,20	3,81	4,78	5,10	5,95	7,83	10,03
Airflow	m ³ /h	319	344	344	442	442	640	706	785	1.011	1.393
Sound power level	dB(A)	47	49	50	48	48	52	53	56	61	67
FWL**DFN , 4 pipe unit, standard, without valves	€	399,-	418,-	430,-	465,-	480,-	533,-	562,-	597,-	795,-	879,-
FWL**DFV , 4 pipe unit, with 3-way on/off 230V valves, factory mounted	€	803,-	821,-	835,-	870,-	884,-	936,-	964,-	999,-	1.218,-	1.304,-
FWL**DAFD6V3--- , 4 pipe unit, with simplified 3-way on/off 230V valves, factory mounted	€	599,-	618,-	629,-	662,-	678,-	725,-	764,-	797,-	998,-	1.077,-
Cooling capacity (Total) ⁽¹⁾	kW	1,46	1,69	1,79	2,38	2,87	3,46	4,26	4,67	6,64	7,88
Heating capacity (4-pipe at High Speed) ⁽³⁾	kW	1,90	2,02	2,01	2,92	3,08	4,80	5,05	5,30	7,91	8,35
Airflow	m ³ /h	307	330	327	432	431	628	690	763	998	1.362
Sound power level	dB(A)	45	49	50	48	47	51	56	59	60	66

Factory mounted options		01	15	02	25	03	35	04	06	08	10
3-way on/off 24V valve	€	on request									
3-way proportional on/off valves	€	on request									
2-way on/off 230V valve	€	on request									
2-way on/off 24V valves	€	on request									
2-way proportional on/off valve	€	on request									
4-rows coil (for 2 pipe unit only)	€	on request									
6-speeds fan motor	€	-								-	on r.
Electric heater (for 2 pipe unit only)	€	on request									

Factory mounted options		01	15	02	25	03	35	04	06	08	10
FWEC1A Standard version	€	on request									
FWEC2A Advanced version	€	on request									
FWEC3A Advanced Plus version	€	on request									
FWECSAP Power control board	€	on request									

Notes:

- (1) Cooling: air 27°CDB, 19°CWB; entering water 7°C; leaving water 12°C
- (2) Heating 2 pipe: air 20°C DB - entering water 50°C - water flow as in cooling mode
- (3) Heating: 4 pipe: air 20°CDB; entering water 70°C; leaving water 60°C

Accessories as kits are included on page 65.

Additional single row h/e (4-row coil) can not be used in combination with electric heater.

Independent power supply is necessary for 24 V valve. FWEC1/2/3A are not suitable to control 24 V valve.

Controller FWEC3A is necessary for proportional valve.

Cooling capacity is related to High Speed, standard unit.

FWM-D

AC fan motor unit for horizontal or vertical concealed mounting

- › 2-pipe and 4-pipe devices in 10 sizes
- › 3-stage fan motor
- › System pressure max. 10 bar
- › Water temperature from + 5°C to + 95°C
- › Condensate pump not included
- › Water connections standard - left
- › Electrical connections standard – right
- › Valve packages are insulated, no extra drain pan required



Flexible concealed unit FWM		01	15	02	25	03	35	04	06	08	10
FWM**DTN , 2 pipe unit, standard, without valve	€	270,-	284,-	299,-	319,-	328,-	358,-	372,-	406,-	534,-	606,-
FWM**DTV , 2 pipe unit, with 3-way on/off 230V valve, factory mounted	€	499,-	512,-	523,-	545,-	551,-	586,-	599,-	636,-	784,-	853,-
FWM**DATD6V3--- , 2 pipe unit, with simplified 3-way on/off 230V valve, factory mounted	€	395,-	410,-	423,-	442,-	456,-	482,-	506,-	540,-	677,-	750,-
Cooling capacity (Total) ⁽¹⁾	kW	1,54	1,74	1,96	2,42	2,93	3,51	4,33	4,77	6,71	8,02
Heating capacity (2-pipe at High Speed) ⁽²⁾	kW	2,14	2,20	2,57	3,20	3,81	4,78	5,10	5,95	7,83	10,03
Airflow	m ³ /h	319	344	344	442	442	640	706	785	1.011	1.393
Sound power level	dB(A)	47	49	50	48	48	52	53	56	61	67
FWM**DFN , 4 pipe unit, standard, without valves	€	325,-	338,-	349,-	382,-	391,-	429,-	447,-	480,-	629,-	703,-
FWM**DFV , 4 pipe unit, with 3-way on/off 230V valves, factory mounted	€	727,-	742,-	750,-	782,-	795,-	827,-	852,-	884,-	1.052,-	1.126,-
FWM**DAFD6V3--- , 4 pipe unit, with simplified 3-way on/off 230V valves, factory mounted	€	571,-	582,-	593,-	627,-	636,-	675,-	708,-	736,-	899,-	977,-
Cooling capacity (Total) ⁽¹⁾	kW	1,46	1,69	1,79	2,38	2,87	3,46	4,26	4,67	6,64	7,88
Heating capacity (4-pipe at High Speed) ⁽³⁾	kW	1,90	2,02	2,01	2,92	3,08	4,80	5,05	5,30	7,91	8,35
Airflow	m ³ /h	307	330	327	432	431	628	690	763	998	1.362
Sound power level	dB(A)	45	49	50	48	47	51	56	59	60	66

Factory mounted options		01	15	02	25	03	35	04	06	08	10
3-way on/off 24V valve	€	on request									
3-way proportional on/off valves	€	on request									
2-way on/off 230V valve	€	on request									
2-way on/off 24V valves	€	on request									
2-way proportional on/off valve	€	on request									
4-rows coil (for 2 pipe unit only)	€	on request									
6-speeds fan motor	€	-				on request				-	on r.
Electric heater (for 2 pipe unit only)	€	on request									
FWECSAP - power control board	€	on request									

Notes:

(1) Cooling: air 27°CDB, 19°CWB; entering water 7°C; leaving water 12°C

(2) Heating 2 pipe: air 20°C DB - entering water 50°C - water flow as in cooling mode

(3) Heating: 4 pipe: air 20°CDB; entering water 70°C; leaving water 60°C

Accessories as kits are included on page 65.

Additional single row h/e (4-row coil) can not be used in combination with electric heater.








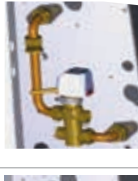

Independent power supply is necessary for 24 V valve. FWEC1/2/3A are not suitable to control 24 V valve.

Controller FWEC3A is necessary for proportional valve.

Cooling capacity is related to High Speed, standard unit.

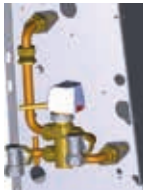







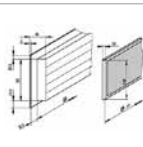
FWV – FWL – FWM

Accessories

Accessories for FWV/FWL/FWM		01	15	02	25	03	35	04	06	08	10
Additional heat exchanger		The one-row heat exchanger is made of copper pipes and aluminum fins. Supplied as kit: 1) heat exchanger 2) fixing plate 3) self-tapping screws			ESRH02A6	ESRH03A6	ESRH06A6			ESRH10A6	
		€	62,-		74,-		83,-			108,-	
Electric Heater		Kit contains: 1/ EEH Electric heater tape 2/ E box = elec. wiring and operating relays 3/ Set of heat-resistant plastic grilles (std grilles need to be replaced)			EEH01A6	EEH02A6	EEH03A6	EEH06A6		EEH10A6	
		Unit	Heater	Power consumption kw	Operting current A						
		FW01+15	EEH01	1,0	4,5						
		FW02+25	EEH02	1,5	6,8						
		FW03+35	EEH03	1,6	7,3						
		FW04+06	EEH06	2,0	9,1						
		FW08+10	EEH10	3,0	13,6						
		€	278,-	278,-	300,-		312,-			323,-	
2-pipe 3-ways 230V on/off valve kit		Kit contains: 1/ 3way Valve Body SIZE 1÷35 valve = 1/2" (kvs=1,7) SIZE 4÷10 valve = 3/4" (kvs=2,8) 2/ Electrothermal actuator ON/OFF activation - power supply 230V - total opening time cca 4 minutes - NC (Normally Closed) 3/ Thermal insulation on pipes and valve 4/ 2pcs of lockshield valve			E2MV03A6			E2MV06A6		E2MV10A6	
		€		195,-				209,-		224,-	
4-pipe 3-ways 230V on/off valve kit		Kit contains: 1/ 2 pcs of 3way Valve Body SIZE 1÷35 valve = 1/2" (kvs=1,7) SIZE 4÷10 valve = 3/4" (kvs=2,8) 2/ 2 pcs of Electrothermal actuator ON/OFF activation - power supply 230V - total opening time cca 4 minutes - NC (Normally Closed) 3/ Thermal insulation on pipes and valve 4/ 4pcs of lockshield valve			E4MV03A6			E4MV06A6		E4MV10A6	
		€		365,-				380,-		398,-	
2-ways 230V on/off valve kit on cooling heat exchanger		Kit contains: 1/ 2way Valve Body SIZE 1÷6 valve = 1/2" (kvs=1,7) SIZE 8÷10 valve = 3/4" (kvs=2,8) 2/ Electrothermal actuator ON/OFF activation - power supply 230V - total opening time cca 4 minutes - NC (Normally Closed) 3/ without thermal insulation 4/ NO lockshield /shut of valve in the kit			E2MV2B07A6					E2MV2B10A6	
		€			102,-					107,-	
2-ways 230V on/off valve kit on additional heat exchanger		Kit contains: 1/ 2way Valve Body SIZE 1÷10 valve = 1/2" (kvs=1,7) 2/ Electrothermal actuator ON/OFF activation - power supply 230V - total opening time cca 4 minutes - NC (Normally Closed) 3/ without thermal insulation 4/ NO lockshield /shut of valve in the kit			E2MV2B07A6						
		€						102,-			
2-pipe simplified 3-ways 230V on/off valve kit		Kit contains: 1/ 3way Valve Body SIZE 1÷35 valve = 1/2" (kvs=1,7) SIZE 4÷10 valve = 3/4" (kvs=2,8) 2/ Electrothermal actuator ON/OFF activation - power supply 230V - total opening time cca 4 minutes - NC (Normally Closed) 3/ without thermal insulation 4/ NO lockshield /shut of valve in the kit			E2MVD03A6			E2MVD06A6		E2MVD10A6	
		€		139,-				141,-		141,-	
4-pipe simplified 3-ways 230V on/off valve kit		Kit contains: 1/ 2 pcs of 3way Valve Body SIZE 1÷35 valve = 1/2" (kvs=1,7) SIZE 4÷10 valve = 3/4" (kvs=2,8) 2/ 2 pcs of Electrothermal actuator ON/OFF activation - power supply 230V - total opening time cca 4 minutes - NC (Normally Closed) 3/ without thermal insulation 4/ NO lockshield /shut of valve in the kit			E4MVD03A6			E4MVD06A6		E4MVD10A6	
		€		254,-				260,-		263,-	
2-pipe 3-ways 24V on/off valve kit		Kit contains: 1/ 3way Valve Body SIZE 1÷35 valve = 1/2" (kvs=1,7) SIZE 4÷10 valve = 3/4" (kvs=2,8) 2/ Electrothermal actuator ON/OFF activation - power supply 24V - total opening time cca 4 minutes - NC (Normally Closed) 3/ Thermal insulation on pipes and valve 4/ 2pcs of lockshield valve			E2M2V03A6			E2M2V06A6		E2M2V10A6	
		€		238,-				238,-		251,-	

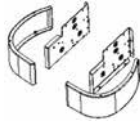






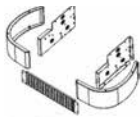









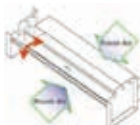

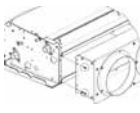
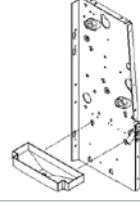





FWV – FWL – FWM

Accessories

Accessories for FWV/FWL/FWM		01	15	02	25	03	35	04	06	08	10
4-pipe 3-ways 24V on/off valve kit 	Kit contains: 1/ 2 pcs of 3way Valve Body SIZE 1÷35 valve = 1/2" (kvs=1,7) SIZE 4÷10 valve = 3/4" (kvs=2,8) 2/ 2 pcs of Electrothermal actuator ON/OFF activation - power supply 24V - total opening time cca 4 minutes - NC (Normally Closed) 3/ Thermal insulation on pipes and valve 4/ 4pcs of lockshield valve			E4M2V03A6				E4M2V06A6		E4M2V10A6	
	€			423,-				423,-		447,-	
2-pipe 3-ways proportional valve kit 	Kit contains: 1/ 3way Valve Body SIZE 1÷35 valve = 1/2" (kvs=1,7) SIZE 4÷10 valve = 3/4" (kvs=2,8) 2/ Electronic valve actuator Proportional activation - power supply 24V - total opening time cca 8 second - 0-10V control signal 3/ Thermal insulation on pipes and valve 4/ 2pcs of lockshield valve			E2MPV03A6				E2MPV06A6		E2MPV10A6	
	€			373,-				368,-		378,-	
4-pipe 3-ways proportional valve kit 	Kit contains: 1/ 2 pcs 3way Valve Body SIZE 1÷35 valve = 1/2" (kvs=1,7) SIZE 4÷10 valve = 3/4" (kvs=2,8) 2/ 2 pcs Electronic valve actuator Proportional activation - power supply 24V - total opening time cca 8 second - 0-10V control signal 3/ Thermal insulation on pipes and valve 4/ 4pcs of lockshield valve			E4MPV03A6				E4MPV06A6		E4MPV10A6	
	€			687,-				690,-		698,-	
2-ways 24V on/ off valve kit on cooling heat exchanger 	Kit contains: 1/ 2way Valve Body SIZE 1÷6 valve = 1/2" (kvs=1,7) SIZE 8÷10 valve = 3/4" (kvs=2,8) 2/ Electrothermal actuator ON/OFF activation - power supply 24V - total opening time cca 4 minutes - NC (Normally Closed) 3/ without thermal insulation 4/ NO lockshield /shut of valve in the kit			E2M2V207A6						E2M2V210A6	
	€			102,-						102,-	
2-ways 24V on/ off valve kit on additional heat exchanger 	Kit contains: 1/ 2way Valve Body SIZE 1÷10 valve = 1/2" (kvs=1,7) 2/ Electrothermal actuator ON/OFF activation - power supply 24V - total opening time cca 4 minutes - NC (Normally Closed) 3/ without thermal insulation 4/ NO lockshield /shut of valve in the kit			E2M2V207A6							
	€			102,-							
2-ways proportional valve kit on cooling heat exchanger 	Kit contains: 1/ 2way Valve Body SIZE 1÷6 valve = 1/2" (kvs=1,7) SIZE 8÷10 valve = 3/4" (kvs=2,8) 2/ Electronic valve actuator Proportional activation - power supply 24V - total opening time cca 8 second - 0-10V control signal 3/ without thermal insulation 4/ NO lockshield /shut of valve in the kit			E2MPV207A6						E2MPV210A6	
	€			260,-						260,-	
2-ways proportional valve kit on additional heat exchanger 	Kit contains: 1/ 2way Valve Body SIZE 1÷10 valve = 1/2" (kvs=1,7) 2/ Electronic valve actuator Proportional activation - power supply 24V - total opening time cca 8 second - 0-10V control signal 3/ without thermal insulation 4/ NO lockshield /shut of valve in the kit			E2MPV207A6							
	€			260,-							
Fan stop thermostat 	To prevent ventilating cold air during the heating stage If the water temperature inside the heat exchanger is lower than 42°C. (The bracket to fix fan stop thermostat is included in the kit.) Only required in combination with electromechanical controller							YFSTA6			
	€							18,-			
Air intake & discharge grille 	S: Back suction grille fixed fins, made of anodised aluminium complete with filter and galvanised steel plate subframe and recyclable acrylic fibre air filter. D: Discharge grille with double row of anodised aluminium swinging fins, complete with galvanised steel plate subframe.			EAIDF02A6	EAIDF03A6			EAIDF06A6		EAIDF10A6	
	€			180,-	221,-			276,-		326,-	




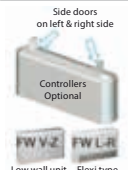
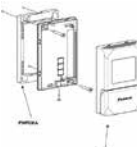


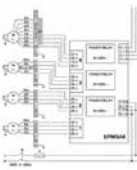

FWV – FWL – FWM

Accessories

Accessories for FWV/FWL/FWM		01	15	02	25	03	35	04	06	08	10																		
Supporting feet	 <p>Kit contains:</p> <table border="1"> <thead> <tr> <th></th> <th>ESFV</th> <th>ESFVG</th> <th>FWV</th> <th>FWM</th> </tr> </thead> <tbody> <tr> <td></td> <td>2</td> <td>2</td> <td>✓</td> <td>✓</td> </tr> <tr> <td></td> <td>2</td> <td>2</td> <td>✓</td> <td>-</td> </tr> </tbody> </table>		ESFV	ESFVG	FWV	FWM		2	2	✓	✓		2	2	✓	-	ESFV06A6								ESFV10A6				
			ESFV	ESFVG	FWV	FWM																							
	2	2	✓	✓																									
	2	2	✓	-																									
€	18,-								23,-																				
Supporting feet & grille	 <table border="1"> <thead> <tr> <th></th> <th>ESFV</th> <th>ESFVG</th> <th>FWV</th> <th>FWM</th> </tr> </thead> <tbody> <tr> <td></td> <td>0</td> <td>1</td> <td>✓</td> <td>-</td> </tr> <tr> <td> 4,2 x 13 mm</td> <td>4</td> <td>8</td> <td>✓</td> <td>✓</td> </tr> <tr> <td> 2,9 x 9,5 mm</td> <td>4</td> <td>4</td> <td>✓</td> <td>✓</td> </tr> </tbody> </table>		ESFV	ESFVG	FWV	FWM		0	1	✓	-	 4,2 x 13 mm	4	8	✓	✓	 2,9 x 9,5 mm	4	4	✓	✓	ESFVG02A6		ESFVG03A6		ESFVG06A6		ESFVG10A6	
			ESFV	ESFVG	FWV	FWM																							
			0	1	✓	-																							
 4,2 x 13 mm	4	8	✓	✓																									
 2,9 x 9,5 mm	4	4	✓	✓																									
€	32,-		39,-		44,-		60,-																						
Fresh air intake	 <p>To prevent the water from freezing inside the heat exchanger during winter. Close the outdoor air inlet louvre when the system is not operational or use an anti-freeze solution.</p>	EFA02A6		EFA03A6		EFA06A6		EFA10A6																					
€	80,-		81,-		90,-		101,-																						
Rear panel	 <p>It is supplied for installation of units, in case rear side can be seen (example: installation at the back of glass windows). Unit, in case of rear panel installation, can not be fixed to wall. Kit consists of: 1. rear upper closing panel 2. rear lower closing panel 3. screws</p>	ERPVO2A6		ERPVO3A6		ERPVO6A6		ERPVO10A6																					
€	34,-		46,-		52,-		66,-																						
Plenum box with circular connections (only for FWM-D)	 <table border="1"> <thead> <tr> <th>Unit size</th> <th>Plenum box</th> <th>Ø [mm] x n</th> </tr> </thead> <tbody> <tr> <td>Size 01-02</td> <td>EPCC02A6</td> <td>180 x 2</td> </tr> <tr> <td>Size 25-03</td> <td>EPCC03A6</td> <td>180 x 2</td> </tr> <tr> <td>Size 35-06</td> <td>EPCC06A6</td> <td>180 x 3</td> </tr> <tr> <td>Size 08-10</td> <td>EPCC10A6</td> <td>180 x 4</td> </tr> </tbody> </table>	Unit size	Plenum box	Ø [mm] x n	Size 01-02	EPCC02A6	180 x 2	Size 25-03	EPCC03A6	180 x 2	Size 35-06	EPCC06A6	180 x 3	Size 08-10	EPCC10A6	180 x 4	EPCC02A6		EPCC03A6		EPCC06A6		EPCC10A6						
		Unit size	Plenum box	Ø [mm] x n																									
		Size 01-02	EPCC02A6	180 x 2																									
		Size 25-03	EPCC03A6	180 x 2																									
Size 35-06	EPCC06A6	180 x 3																											
Size 08-10	EPCC10A6	180 x 4																											
€	105,-		115,-		144,-		201,-																						
Vertical auxiliary drainpan	 <p>Install it to collect condensation. Used for vertical FCUs</p>	EDPVB6																											
		€	5,-																										
Horizontal auxiliary drainpan	 <p>Install it to collect condensation. Used for horizontal FCUs</p>	EDPHB6																											
		€	5,-																										
Controller electro-mechanical, Built in	 <p>For installation on board the unit is used for: Manually changing the operation fan speed of the unit; Automatically setting the room temperature by operating the motor-ventilator of the unit, both during cooling and heating. - 4 position rotary speed selector switch (three speeds + stop) - Cooling/Heating operation selector - Manual set thermostat</p>	ECFWMB6																											
		€	40,-																										
Wired remote controller, Standard version	 <p>Onboard or wall mounted installation: - Management of AC 3-speeds fan motor (on/off and automatic speed change) - Management of on/off valve - Management of electric heater - Cooling / heating mode switching based on air / water temperature - Clean contact for remote activation (e.g. window contact, remote on/off)</p>	FWEC1A																											
		€	99,-																										
Wired remote controller, Advanced version	 <p>All functionality of FWEC1A, but additionally: - Management of AC 4-speeds fan motor (on/off and automatic speed change) - Air relative humidity control - Master & Slave System on serial RS485 (Modbus communication protocol) - Integration in BMS</p>	FWEC2A																											
		€	155,-																										
Wired remote controller, Advanced Plus version	 <p>All functionality of FWEC2A, but additionally: - Management of BLDC fan motor - Management of proportional valve - Weekly timer programmed operating mode - Configurable digital outputs</p>	FWEC3A																											
		€	212,-																										

FWV – FWL – FWM

Accessories

Accessories for FWV/FWL/FWM		01	15	02	25	03	35	04	06	08	10
Split type controller 	Power control board										
		€									140,-
On board mounting kit, for FWEC*A, remote airprobe incl. 	Control panel for remote or on board installation (connected to the power control board) All functionality of FWEC3A, but additionally: - Master & Slave System on Conveyed Waves (CW)										
		€									105,-
Wall mounting kit (spacing collar), for FWEC 1A /2A and 3A 	To install FWEC1/2/3A thermostat on board. (left or right side) Use it only for FWV / FWZ or FWL / FWR										
	 <p>Side doors on left & right side Controllers Optional Low wall unit Flexi type</p>	€									16,-
Temperature sensor kit, for FWEC*A 	Wall mounting kit (spacing collar), for FWEC 1A /2A and 3A										
		€									16,-
Relative humidity sensor kit, for FWEC2A and FWEC3A (temperature sensor kit is required) 	FWTSK sensor should be connected to the FWEC*A remote control using the supplied cable as accessory and, in case of prolongations, a shielded cable only. The sensor cable (1,5 m) can be cut to measure if necessary. Sensor must be positioned on the heat exchanger OR at the valve inlet (with or without valve installation)										
		€									8,-
Master / Slave interface 	Bound together the air temperature remote probe, the installation of the humidity remote probe allows: - To display on the controller the environment humidity - To select the Dehumidification function The dehumidification function, available only in the cooling mode, uses the terminal to reduce the environmental humidity by approximately 10% compared to the humidity present at the moment of function selection.										
		€									23,-
Drain pump 	The EPIMSA6 Master/slave interface is used for connecting up to 4 units in parallel to one controller FWEC(1,2,3)A. With the new split controller FWEC3A to connect more unit you don't need EPIMSA6 with a saving in the installation time/cost. The capacity of the EPIMSA6 contacts is max 4 x 3 A.										
		€									162,-
Drain pump 	For FWL only vertical installation										
		€									207,-

FWZ-A

Fan coil with DC fan motor

- › 2-pipe and 4-pipe devices in 10 sizes
- › Low sound level and up to 70% energy saving thanks to the BLDC motor technology
- › System pressure max. 10 bar
- › Water temperature from + 5°C to + 95°C
- › Factory mounted 3 way valve
- › Condensate pump not included
- › Water connections standard - left
- › Electrical connections standard – right



Low Wall unit with DC fan motor FWZ		02	03	06	08
FWZ**ATN , 2 pipe unit, standard, without valve	€	514,-	544,-	629,-	786,-
FWZ**ATV , 2 pipe unit, with 3-way on/off 230V valve, factory mounted	€	725,-	755,-	848,-	1.022,-
FWZ**AATD6V3--- , 2 pipe unit, with simplified 3-way on/off 230V valve, factory mounted	€	623,-	653,-	803,-	978,-
Cooling capacity (Total) ⁽¹⁾	kW	2,64	4,96	6,32	10,08
Heating capacity (2-pipe at High Speed) ⁽²⁾	kW	3,47	6,40	7,51	11,18
Airflow	m ³ /h	560	900	1.200	1.660
Sound power level	dB(A)	62	70	64	71
FWZ**AFN , 4 pipe unit, standard, without valves	€	558,-	593,-	707,-	864,-
FWZ**AFV , 4 pipe unit, with 3-way on/off 230V valves, factory mounted	€	942,-	977,-	1.088,-	1.270,-
FWZ**AAFD6V3--- , 4 pipe unit, with simplified 3-way on/off 230V valves, factory mounted	€	839,-	876,-	1.006,-	1.191,-
Cooling capacity (Total) ⁽¹⁾	kW	2,43	4,96	6,32	10,08
Heating capacity (4-pipe at High Speed) ⁽³⁾	kW	2,46	4,19	6,45	10,06
Airflow	m ³ /h	560	900	1.200	1.660
Sound power level	dB(A)	62	70	64	71

Factory mounted options		02	03	06	08
3-way on/off 24V valve	€	on request			
2-way on/off 230V valve	€	on request			
2-way on/off 24V valves	€	on request			
4-rows coil (for 2 pipe unit only)	€	on request			
Electric heater (for 2 pipe unit only)	€	on request			

Factory mounted options		02	03	06	08
FWEC3A Advanced Plus version	€	on request			
FWEC3AP power control board	€	on request			

Notes:

(1) Cooling: 2 pipe: air 27°CDB, 19°CWB; entering water 7°C; leaving water 12°C

(2) Heating: 2 pipe: air 20°CDB, entering water 50°C, water flow as per cooling mode

(3) Heating: 4 pipe: air 20°CDB; entering water 70°C; leaving water 60°C

Accessories as kits are included on page 72..

Additional single row h/e (4-row coil) can not be used in combination with electric heater.

Independent power supply is necessary for 24 V valve. FWEC3A are not suitable to control 24 V valve.

Controller FWEC3A is necessary to control DC fan motor.

Cooling capacity is related to High Speed, standard unit.

FWR-A

Fan coil with DC fan motor

- › 2-pipe and 4-pipe devices in 10 sizes
- › Low sound level and up to 70% energy saving thanks to the BLDC motor technology
- › System pressure max. 10 bar
- › Water temperature from + 5°C to + 95°C
- › Factory mounted 3 way valve
- › Condensate pump not included
- › For wall or ceiling mounted installation: ideal solution for spaces with no false ceilings
- › Instant adjustment to temperature and relative humidity changes
- › Water connections standard - left
- › Electrical connections standard – right



FLEXI type unit with DC fan motor FWR		02	03	06	08
FWR**ATN , 2 pipe unit, standard, without valve	€	536,-	582,-	671,-	855,-
FWR**ATV , 2 pipe unit, with 3-way on/off 230V valve, factory mounted	€	748,-	794,-	890,-	1.092,-
FWR**AATD6V3--- , 2 pipe unit, with simplified 3-way on/off 230V valve, factory mounted	€	697,-	743,-	847,-	1.052,-
Cooling capacity (Total) ⁽¹⁾	kW	2,64	4,96	6,32	10,08
Heating capacity (2-pipe at High Speed) ⁽²⁾	kW	3,47	6,40	7,51	11,18
Airflow	m ³ /h	560	900	1.200	1.660
Sound power level	dB(A)	62	70	64	71
FWR**AFN , 4 pipe unit, standard, without valves	€	586,-	633,-	742,-	944,-
FWR**AFV , 4 pipe unit, with 3-way on/off 230V valves, factory mounted	€	970,-	1.016,-	1.128,-	1.348,-
FWR**AAF6V3--- , 4 pipe unit, with simplified 3-way on/off 230V valves, factory mounted	€	869,-	918,-	1.047,-	1.277,-
Cooling capacity (Total) ⁽¹⁾	kW	2,43	4,96	6,32	10,08
Heating capacity (4-pipe at High Speed) ⁽³⁾	kW	2,46	4,19	6,45	10,06
Airflow	m ³ /h	560	900	1.200	1.660
Sound power level	dB(A)	62	70	64	71

Factory mounted options		02	03	06	08
3-way on/off 24V valve	€	on request			
2-way on/off 230V valve	€	on request			
2-way on/off 24V valves	€	on request			
4-rows coil (for 2 pipe unit only)	€	on request			
Electric heater (for 2 pipe unit only)	€	on request			

Factory mounted options		02	03	06	08
FWEC3A Advanced Plus version	€	on request			
FWEC3AP power control board	€	on request			

Notes:

(1) Cooling: 2 pipe: air 27°CDB, 19°CWB; entering water 7°C; leaving water 12°C

(2) Heating: 2 pipe: air 20°CDB, entering water 50°C, water flow as per cooling mode

(3) Heating: 4 pipe: air 20°CDB; entering water 70°C; leaving water 60°C

Accessories as kits are included on page 72.

Additional single row h/e (4-row coil) can not be used in combination with electric heater.

Independent power supply is necessary for 24 V valve. FWEC1/2/3A are not suitable to control 24 V valve.

Controller FWEC3A is necessary to control DC fan motor.

Cooling capacity is related to High Speed, standard unit.

FWS-A

Fan coil with DC fan motor

- › 2-pipe and 4-pipe devices in 10 sizes
- › Low sound level and up to 70% energy saving thanks to the BLDC motor technology
- › System pressure max. 10 bar
- › Water temperature from + 5°C to + 95°C
- › Factory mounted 3 way valve
- › Condensate pump not included
- › Continuous air flow regulation and fan speed modulation
- › Instant adjustment to temperature and relative humidity changes
- › Water connections standard - left
- › Electrical connections standard – right



FLEXI type unit with DC fan motor FWS		02	03	06	08
FWS**ATN , 2 pipe unit, standard, without valve	€	460,-	493,-	565,-	703,-
FWS**ATV , 2 pipe unit, with 3-way on/off 230V valve, factory mounted	€	673,-	703,-	784,-	939,-
FWS**AATD6V3--- , 2 pipe unit, with simplified 3-way on/off 230V valve, factory mounted	€	613,-	647,-	733,-	889,-
Cooling capacity (Total) ⁽¹⁾	kW	2,64	4,96	6,32	10,08
Heating capacity (2-pipe at High Speed) ⁽²⁾	kW	3,47	6,40	7,51	11,18
Airflow	m ³ /h	560	900	1200	1660
Sound power level	dB(A)	62	70	64	71
FWS**AFN , 4 pipe unit, standard, without valves	€	506,-	551,-	633,-	792,-
FWS**AFV , 4 pipe unit, with 3-way on/off 230V valves, factory mounted	€	892,-	935,-	1.016,-	1.196,-
FWS**AAFD6V3--- , 4 pipe unit, with simplified 3-way on/off 230V valves, factory mounted	€	725,-	769,-	862,-	1.027,-
Cooling capacity (Total) ⁽¹⁾	kW	2,43	4,96	6,32	10,08
Heating capacity (4-pipe at High Speed) ⁽³⁾	kW	2,46	4,19	6,45	10,06
Airflow	m ³ /h	560	900	1.200	1.660
Sound power level	dB(A)	62	70	64	71

Factory mounted options		02	03	06	08
3-way on/off 24V valve	€	on request			
2-way on/off 230V valve	€	on request			
2-way on/off 24V valves	€	on request			
4-rows coil (for 2 pipe unit only)	€	on request			
Electric heater (for 2 pipe unit only)	€	on request			

Factory mounted options		02	03	06	08
FWEC3A Advanced Plus version	€	on request			
FWEC3AP power control board	€	on request			

Notes:

(1) Cooling: 2 pipe: air 27°CDB, 19°CWB; entering water 7°C; leaving water 12°C

(2) Heating: 2 pipe: air 20°CDB, entering water 50°C, water flow as per cooling mode

(3) Heating: 4 pipe: air 20°CDB; entering water 70°C; leaving water 60°C

Accessories as kits are included on page 72..

Additional single row h/e (4-row coil) can not be used in combination with electric heater.

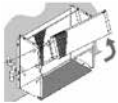
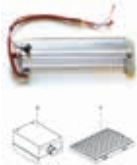







Independent power supply is necessary for 24 V valve. FWEC3A are not suitable to control 24 V valve.

Controller FWEC3A is necessary to control DC fan motor.

Cooling capacity is related to High Speed, standard unit.

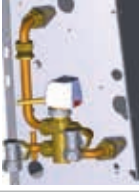


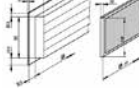
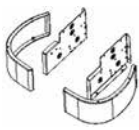






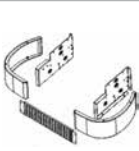

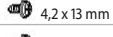
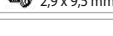

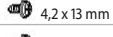
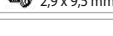

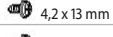
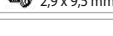
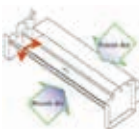
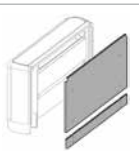
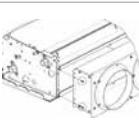
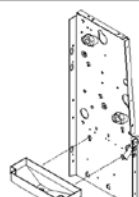
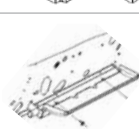
FWZ - FWR - FWS

Accessories

Accessories for FWZ/FWR/FWS		02	03	06	08																				
Additional heat exchanger	 <p>The one-row heat exchanger is made of copper pipes and aluminum fins. Supplied as kit: 1) heat exchanger 2) fixing plate 3) self-tapping screws</p>	ESRH02A6	ESRH03A6	ESRH06A6	ESRH10A6																				
		€ 62,-	74,-	83,-	108,-																				
Electric heater	 <p>Kit contains: 1/ EEH Electric heater tape 2/ E box = elec. wiring and operating relays 3/ Set of heat-resistant plastic grilles (std grilles need to be replaced)</p> <table border="1"> <thead> <tr> <th>Unit</th> <th>Heater</th> <th>Power consumption kw</th> <th>Opening current A</th> </tr> </thead> <tbody> <tr> <td>FW02</td> <td>EEH02</td> <td>1,5</td> <td>6,8</td> </tr> <tr> <td>FW03</td> <td>EEH03</td> <td>1,6</td> <td>7,3</td> </tr> <tr> <td>FW06</td> <td>EEH06</td> <td>2,0</td> <td>9,1</td> </tr> <tr> <td>FW08</td> <td>EEH10</td> <td>3,0</td> <td>13,6</td> </tr> </tbody> </table>	Unit	Heater	Power consumption kw	Opening current A	FW02	EEH02	1,5	6,8	FW03	EEH03	1,6	7,3	FW06	EEH06	2,0	9,1	FW08	EEH10	3,0	13,6	EEH02A6	EEH03A6	EEH06A6	EEH10A6
Unit	Heater	Power consumption kw	Opening current A																						
FW02	EEH02	1,5	6,8																						
FW03	EEH03	1,6	7,3																						
FW06	EEH06	2,0	9,1																						
FW08	EEH10	3,0	13,6																						
		€ 278,-	300,-	312,-	323,-																				
2-pipe 3-ways 230V on/off valve kit	 <p>Kit contains: 1/ 3way Valve Body SIZE 2÷3 valve = 1/2" (kvs=1,7) SIZE 6÷8 valve = 3/4" (kvs=2,8) 2/ Electrothermal actuator ON/OFF activation - power supply 230V - total opening time cca 4 minutes - NC (Normally Closed) 3/ Thermal insulation on pipes and valve 4/ 2pcs of lockshield valve</p>	E2MV03A6		E2MV06A6	E2MV10A6																				
		€ 195,-		209,-	224,-																				
4-pipe 3-ways 230V on/off valve kit	 <p>Kit contains: 1/ 2 pcs of 3way Valve Body SIZE 2÷3 valve = 1/2" (kvs=1,7) SIZE 6÷8 valve = 3/4" (kvs=2,8) 2/ 2 pcs of Electrothermal actuator ON/OFF activation - power supply 230V - total opening time cca 4 minutes - NC (Normally Closed) 3/ Thermal insulation on pipes and valve 4/ 4pcs of lockshield valve</p>	E4MV03A6		E4MV06A6	E4MV10A6																				
		€ 365,-		380,-	398,-																				
2-ways 230V on/off valve kit cooling h/e	 <p>Kit contains: 1/ 2way Valve Body SIZE 2÷6 valve = 1/2" (kvs=1,7) SIZE 8 valve = 3/4" (kvs=2,8) 2/ Electrothermal actuator ON/OFF activation - power supply 230V - total opening time cca 4 minutes - NC (Normally Closed) 3/ without thermal insulation 4/ NO lockshield /shut of valve in the kit</p>		E2MV2B07A6		E2MV2B10A6																				
		€ 102,-			107,-																				
2-ways 230V on/off valve kit additional h/e	 <p>Kit contains: 1/ 2way Valve Body SIZE 2÷8 valve = 1/2" (kvs=1,7) 2/ Electrothermal actuator ON/OFF activation - power supply 230V - total opening time cca 4 minutes - NC (Normally Closed) 3/ without thermal insulation 4/ NO lockshield /shut of valve in the kit</p>		E2MV2B07A6																						
		€ 102,-																							
2-pipe simplified 3-ways 230V on/off valve kit	 <p>Kit contains: 1/ 3way Valve Body SIZE 2÷3 valve = 1/2" (kvs=1,7) SIZE 6÷8 valve = 3/4" (kvs=2,8) 2/ Electrothermal actuator ON/OFF activation - power supply 230V - total opening time cca 4 minutes - NC (Normally Closed) 3/ without thermal insulation 4/ NO lockshield /shut of valve in the kit</p>	E2MVD03A6		E2MVD06A6	E2MVD10A6																				
		€ 139,-		141,-	141,-																				
4-pipe simplified 3-ways 230V on/off valve kit	 <p>Kit contains: 1/ 2 pcs of 3way Valve Body SIZE 2÷3 valve = 1/2" (kvs=1,7) SIZE 6÷8 valve = 3/4" (kvs=2,8) 2/ 2 pcs of Electrothermal actuator ON/OFF activation - power supply 230V - total opening time cca 4 minutes - NC (Normally Closed) 3/ without thermal insulation 4/ NO lockshield /shut of valve in the kit</p>	E4MVD03A6		E4MVD06A6	E4MVD10A6																				
		€ 254,-		260,-	263,-																				
2-pipe 3-ways 24V on/off valve kit	 <p>Kit contains: 1/ 3way Valve Body SIZE 2÷3 valve = 1/2" (kvs=1,7) SIZE 6÷8 valve = 3/4" (kvs=2,8) 2/ Electrothermal actuator ON/OFF activation - power supply 24V - total opening time cca 4 minutes - NC (Normally Closed) 3/ Thermal insulation on pipes and valve 4/ 2pcs of lockshield valve</p>	E2M2V03A6		E2M2V06A6	E2M2V10A6																				
		€ 238,-		238,-	251,-																				






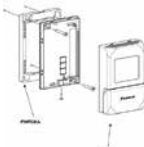


FWZ - FWR - FWS

Accessories

Accessories for FWZ/FWR/FWS		02	03	06	08																	
4-pipe 3-ways 24V on/off valve kit 	Kit contains: 1/ 2 pcs of 3way Valve Body SIZE 2÷3 valve = 1/2" (kvs=1,7) SIZE 6÷8 valve = 3/4" (kvs=2,8) 2/ 2 pcs of Electrothermal actuator ON/OFF activation - power supply 24V - total opening time cca 4 minutes - NC (Normally Closed) 3/ Thermal insulation on pipes and valve 4/ 4pcs of lockshield valve		E4M2V03A6	E4M2V06A6	E4M2V10A6																	
	€	423,-		423,-	447,-																	
2-ways 24V on/off valve kit cooling h/e 	Kit contains: 1/ 2way Valve Body SIZE 2÷6 valve = 1/2" (kvs=1,7) SIZE 8 valve = 3/4" (kvs=2,8) 2/ Electrothermal actuator ON/OFF activation - power supply 24V - total opening time cca 4 minutes - NC (Normally Closed) 3/ without thermal insulation 4/ NO lockshield /shut of valve in the kit		E2M2V207A6		E2M2V210A6																	
	€		102,-		102,-																	
2-ways 24V on/off valve kit additional h/e 	Kit contains: 1/ 2way Valve Body SIZE 2÷8 valve = 1/2" (kvs=1,7) 2/ Electrothermal actuator ON/OFF activation - power supply 24V - total opening time cca 4 minutes - NC (Normally Closed) 3/ without thermal insulation 4/ NO lockshield /shut of valve in the kit		E2M2V207A6																			
	€		102,-																			
Air intake & discharge grille 	S: Back suction grille fixed fins, made of anodised aluminium complete with filter and galvanised steel plate subframe and recyclable acrylic fibre air filter. D: Discharge grille with double row of anodised aluminium swinging fins, complete with galvanised steel plate subframe.		EAIDF02A6	EAIDF03A6	EAIDF06A6	EAIDF10A6																
	€	180,-	221,-	276,-	326,-																	
Supporting feet 	Kit contains: <table border="1" data-bbox="411 1048 715 1151"> <thead> <tr> <th></th> <th>ESFV</th> <th>ESFVG</th> <th>FWZ</th> <th>FWS</th> </tr> </thead> <tbody> <tr> <td></td> <td>2</td> <td>2</td> <td>✓</td> <td>✓</td> </tr> <tr> <td></td> <td>2</td> <td>2</td> <td>✓</td> <td>-</td> </tr> </tbody> </table>		ESFV	ESFVG	FWZ	FWS		2	2	✓	✓		2	2	✓	-		ESFV06A6			ESFV10A6	
		ESFV	ESFVG	FWZ	FWS																	
	2	2	✓	✓																		
	2	2	✓	-																		
€		18,-			23,-																	
Supporting feet & grille 	<table border="1" data-bbox="411 1227 715 1330"> <thead> <tr> <th></th> <th></th> <th>FWZ</th> <th>FWS</th> </tr> </thead> <tbody> <tr> <td></td> <td>0 1</td> <td>✓</td> <td>-</td> </tr> <tr> <td></td> <td>4 8</td> <td>✓</td> <td>✓</td> </tr> <tr> <td></td> <td>4 4</td> <td>✓</td> <td>✓</td> </tr> </tbody> </table>			FWZ	FWS		0 1	✓	-		4 8	✓	✓		4 4	✓	✓		ESFVG02A6	ESFVG03A6	ESFVG06A6	ESFVG10A6
			FWZ	FWS																		
	0 1	✓	-																			
	4 8	✓	✓																			
	4 4	✓	✓																			
€	32,-	39,-	44,-	60,-																		
Fresh air intake 	To prevent the water from freezing inside the heat exchanger during winter. Close the outdoor air inlet louvre when the system is not operational or use an anti-freeze solution.		EFA02A6	EFA03A6	EFA06A6	EFA10A6																
	€	80,-	81,-	90,-	101,-																	
Rear panel 	It is supplied for installation of units, in case rear side can be seen (example: installation at the back of glass windows). Unit, in case of rear panel installation, can not be fixed to wall. Kit consists of: 1. rear upper closing panel 2. rear lower closing panel 3. screws		ERPVO2A6	ERPVO3A6	ERPVO6A6	ERPVO10A6																
	€	34,-	46,-	52,-	66,-																	
Plenum box with circular connections (only for FWS-A) 	<table border="1" data-bbox="411 1641 715 1756"> <thead> <tr> <th>Unit size</th> <th>Plenum box</th> <th>Ø [mm] x n</th> </tr> </thead> <tbody> <tr> <td>Size 02</td> <td>EPCC02A6</td> <td>180 x 2</td> </tr> <tr> <td>Size 03</td> <td>EPCC03A6</td> <td>180 x 2</td> </tr> <tr> <td>Size 06</td> <td>EPCC06A6</td> <td>180 x 3</td> </tr> <tr> <td>Size 08</td> <td>EPCC10A6</td> <td>180 x 4</td> </tr> </tbody> </table>	Unit size	Plenum box	Ø [mm] x n	Size 02	EPCC02A6	180 x 2	Size 03	EPCC03A6	180 x 2	Size 06	EPCC06A6	180 x 3	Size 08	EPCC10A6	180 x 4		EPCC02A6	EPCC03A6	EPCC06A6	EPCC10A6	
	Unit size	Plenum box	Ø [mm] x n																			
Size 02	EPCC02A6	180 x 2																				
Size 03	EPCC03A6	180 x 2																				
Size 06	EPCC06A6	180 x 3																				
Size 08	EPCC10A6	180 x 4																				
€	105,-	115,-	144,-	201,-																		
Vertical auxiliary drainpan 	Install it to collect condensation. Used for vertical FCUs		EDPVB6																			
	€		5,-																			
Horizontal auxiliary drainpan 	Install it to collect condensation. Used for horizontal FCUs		EDPHB6																			
	€		5,-																			

FWZ - FWR - FWS

Accessories

Accessories for FWZ/FWR/FWS		02	03	06	08
Wired remote controller, Advanced Plus version 	All functionality of FWEC1A/2A (see page 51), but additionally: - Management of BLDC fan motor - Management of proportional valve - Weekly timer programmed operating mode - Configurable digital outputs			FWEC3A	
		€			212,-
Split type controller 	Power control board			FWEC3AP	
		€			
	Control panel for remote or on board installation (connected to the power control board) All functionality of FWEC3A, but additionally: - Master & Slave System on Conveyed Waves (CW)			FWEC3AC	
		€			105,-
On board mounting kit, for FWEC*A, remote airprobe incl. 	To install FWEC1/2/3A thermostat on board. (left or right side) Use it only for FWV / FWZ or FWL / FWR			FWECKA	
		€			16,-
Wall mounting kit (spacing collar), for FWEC 1A /2A and 3A 	Wall mounting kit (spacing collar), for FWEC 1A /2A and 3A			FWFCKA	
		€			16,-
Temperature sensor kit, for FWEC*A 	FWTSK sensor should be connected to the FWEC*A remote control using the supplied cable as accessory and, in case of prolongations, a shielded cable only. The sensor cable (1.5 m) can be cut to measure if necessary. Sensor must be positioned on the heat exchanger OR at the valve inlet (with or without valve installation)			FWTSKA	
		€			8,-
Relative humidity sensor kit, for FWEC2A and FWEC3A (temperature sensor kit is required) 	Bound together the air temperature remote probe, the installation of the humidity remote probe allows: - To display on the controller the environment humidity - To select the Dehumidification function The dehumidification function, available only in the cooling mode, uses the terminal to reduce the environmental humidity by approximately 10% compared to the humidity present at the moment of function selection.			FWHSKA	
		€			23,-
Drain pump	For FWR only vertical installation			CDRP1A	
		€			207,-

Outdoor units

ERQ Inverter heat pump condensing units

ERQ-A

High efficiency inverter heat pump outdoor units for connection to DX heat exchangers in Air Handling Units (AHU) or to CYQ Air Curtains



Type for 1~ 230V power supply		ERQ100AV1	ERQ125AV1	ERQ140AV1
Capacity index		100	125	140
Nominal cooling capacity	kW	11,2	14,0	15,5
Nominal heating capacity	kW	12,5	16,0	18,0
Price	€	3.092,-	3.365,-	4.330,-

Type for 3N~ 400V power supply		ERQ125AW1	ERQ200AW1	ERQ250AW1
Capacity index		125	200	250
Nominal cooling capacity	kW	14,0	22,4	28,0
Nominal heating capacity	kW	16,0	25,0	31,5
Price	€	3.865,-	5.368,-	6.260,-

Notes:

- When using for connection to CYQ Air Curtains, select an ERQ outdoor unit with an equal or higher capacity index than the capacity index of the Air Curtain
- Specified capacity values are for evaporation temperature = 6 °C (cooling) / condensing temperature = 46 °C (heating), evaporator superheat = 5K, condenser sub-cool = 3K, on-coil temperature = 27 °CDB / 19 °CWB (cooling) / = 20 °CDB (heating)

Control box	EKEQDCB	EKEQFCBA
Control type	Daikin control	Free (External) control
Control options	Room temperature control [via Remote Controller (accessory) or via External room temperature sensor (accessory)] Return air temperature control (via a supplied thermistor)	<ul style="list-style-type: none"> • (X-Control): 0~10V direct capacity control (5V = maintain capacity, >5V colder air wanted, <5V warmer air wanted) • (Y-Control): Fixed evaporation / condensation temperature control • (W-Control): 0~10V linear capacity control (0V = 0% capacity, 10V = 100% capacity) • Connection ratio 50 ~ 110% (ERQ)
Price	€ 815,-	909,-

Notes:

- A control box is a necessary component of the system for AHU applications; it is not necessary for connection to CYQ Air Curtains
- A wired remote controller (Standard or Basic) is required for the EKEQDCB control box; for the EKEQFCBA box, it is optional (required for commissioning and servicing only)
- Switching between cooling/heating operation with the EKEQFCBA box must be done from the external control system, or via the optional KRC19-26 Cool/Heat selector

Expansion valve kit	Allowed heat exchanger capacity [kW]		Combinable units					Price €
	Minimum	Maximum	ERQ100-	ERQ125-	ERQ140-	ERQ200-	ERQ250-	
EKEXV63	6,3	7,8	•	•				176,-
EKEXV80	7,9	9,9	•	•	•			189,-
EKEXV100	10,0	12,3	•	•	•	•		195,-
EKEXV125	12,4	15,4	•	•	•	•	•	209,-
EKEXV140	15,5	17,6		•	•	•	•	214,-
EKEXV200	17,7	24,6				•	•	232,-
EKEXV250	24,7	30,8				•	•	247,-

Notes:

- An expansion valve kit is a necessary component of the system for AHU applications; it is not necessary for connection to CYQ Air Curtains,
- The expansion valve kit needs to be selected based on the nominal design of the AHU heat exchanger,
- The AHU heat exchanger needs to be designed for 40bar pressures, with an internal (refrigerant) volume between 0,3 and 8,3 l (not counting headers and distributors)
- Specified capacity values are for evaporation temperature = 6 °C (cooling) / condensing temperature = 46 °C (heating), evaporator superheat = 5K, condenser sub-cool = 3K, on-coil temperature = 27 °CDB / 19 °CWB (cooling) / = 20 °CDB (heating)

Unit-specific Accessories

		EKEQDCB	EKEQFCBA	Price €
BRC1D52	Basic wired remote controller with weekly timer	•	•	94,-
BRC1E53A	Standard wired remote controller with full-text interface and back-light with new energy saving, sound minimization & duty rotation functions for Austria		•	143,-
BRC1E53B	Standard wired remote controller with full-text interface and back-light with new energy saving, sound minimization & duty rotation functions for Czech, Croatia, Hungarian, Romanian, Slovenian, Bulgarian		•	143,-
BRC1E53C	Standard wired remote controller with full-text interface and back-light with new energy saving, sound minimization & duty rotation functions for Slovakian and Albanian		•	143,-
KRP4A51	Adaptor for external monitoring/control	•		211,-
RTD-20	Adaptor for external monitoring/control with 0-10VDC linear capacity control	•		426,-
KRCS01-1	External room temperature sensor	•		84,-
KRC19-26	Mechanical cool/heat selector	•	•	51,-
KJB111A	Fixing box for cool/heat selector	•	•	31,-

Notes:

- A wired remote controller (Standard or Basic) is required for the EKEQDCB control box; for the EKEQFCBA box, it is optional (required for commissioning and servicing only)
- Switching between cooling/heating operation with the EKEQFCBA box must be done from the external control system, or via the optional KRC19-26 Cool/Heat selector

Pre-sized fresh air solution

High end ventilation with heat recovery

- › Pre-sized making selection, quotation, ordering easy
- › Connects directly to pre-selected Daikin DX outdoor units
- › IE premium efficiency motor
- › High efficiency heat wheel (heat recovery)
- › Compact design
- › Indoor air quality compliant with VDI hygiene guideline
- › Operating limits from -20°C up to +46 °C ambient temperature
- › Direct integration in intelligent Touch Manager for monitoring and control



				ADT03FDI-80	ADT03FDI-100	ADT03FDI-125	ADT04FDI-125	ADT04FDI-140	ADT04FDI-200	ADT05FDI-200	ADT05FDI-250	
Airflow	Nominal Air Flow valid for Cooling (1) and Heating(2)		m ³ /h	2.200	2.700	3.200	3.600	4.100	4.700	5.500	6.200	
Expansion valve kit	Type Number			EKEXV80	EKEXV100	EKEXV125	EKEXV125	EKEXV140	EKEXV200	EKEXV200	EKEXV250	
Control box	Type Number			EKEQFCBA 1								
Outdoor unit	Type Number			ERQ100AV1		ERQ125AV1		ERQ140AV1		ERQ200AW1	ERQ250AW1	
Energy Rating	Eurovent Energy Class ERP Compliance			A+	A		A+		A	A+	A	
Heat Recovery Technology	Winter	Nom.	%	Sorption Heat Wheel								
Heat Recovery Technology	Winter	Nom.	%	81,5	79,2	76,9	81,1	79,6	77,8	79	77,4	
ESP	Nom.		Pa	200								
SFPv	Nom.		W/(m ³ /s)	1.388	1.508	1.660	1.402	1.512	1.637	1.456	1.575	
Supply Fan power input	Nom.		W	0,53	0,7	0,92	0,89	1,08	1,35	1,4	1,72	
Filter class	Supply Extract			F7+ F7 F7+ F7								
Dimensions	Unit	Height	mm	1.540				1740				
		Width	mm	2.500				2.620				
		Depth	mm	990				1.200				
Weight			Kg	549				659				
Total Power Input	Nom.		kW	1,55	2	2,3	2,25	2,63	3,15	3,25	3,86	
Power supply	Electrical voltage		V/ph/Hz	230V/1Ph/50Hz				400V/3Ph/50Hz				
Door opening (following supply air direction)				Right								
				ADT06FDI-250	ADT07FDI-250	ADT07FDI-140	ADT07FDI-200	ADT08FDI-200	ADT09FDI-200	ADT09FDI-250	ADT10FDI-250	
Airflow	Nominal Air Flow valid for Cooling ⁽¹⁾ and Heating ⁽²⁾		m ³ /h	6.900	7.400	8.000	8.700	10.000	11.500	13.200	14.900	
Expansion valve kit	Type Number			EKEXV250		EKEXV140	EKEXV200			EKEXV250	EKEXV250	
Control box	Type Number			1			2					
Control box	Type Number			EKEQFCBA								
Outdoor unit	Type Number			1			2					
Outdoor unit	Type Number			ERQ250AW1		ERQ140AV1	ERQ200AW1			ERQ250AW1		
Energy Rating	Eurovent Energy Class ERP Compliance			A	A+		A		A+	A	A+	
Heat Recovery Technology	Winter	Nom.	%	Sorption Heat Wheel								
Heat Recovery Technology	Winter	Nom.	%	77,9	80,2	79,3	78,1	78,4	79,7	77,9	80,2	
ESP	Nom.		Pa	200								
SFPv	Nom.		W/(m ³ /s)	1.580	1.438	1.491	1.581	1.429	1.438	1.569	1.397	
Supply Fan power input	Nom.		W	1,86	1,82	2,04	2,35	2,48	2,82	3,54	3,62	
Filter class	Supply Extract			F7+ F7 F7+ F7								
Dimensions	Unit	Height	mm	1.920				2.180		2.460		2.570
		Width	mm	2.980	3.100			3.150		2.980		3.100
		Depth	mm	1.400	1.600					1.940		2.300
Weight			Kg	887	1.063			1.489		1.594	1.973	
Total Power Input	Nom.		kW	4,14	4,07	4,48	5,08	5,37	6,06	7,44	7,6	
Power supply	Electrical voltage		V/ph/Hz	400V/3Ph/50Hz								
Door opening (following supply air direction)				Right								

(1) Cooling: indoor temp. 27°CDB, 19,0°CWB; outdoor temp. 35°CDB; equivalent piping length: 5m; level difference: 0m
 (2) Heating: indoor temp. 20°CDB; outdoor temp. -15°CDB; equivalent refrigerant piping: 5m; level difference: 0m

Products overview



D-AHU Professional

Air flow (m³/h x 1,000)

140

120

100

90

80

70

60

50

40

20

0



Professional

- › Pre-configured sizes
- › **Tailored to the individual customer**
- › Modular construction

Modular R

- › Pre-configured sizes
- › Plug and play concept
- › EC fan technology
- › **Heat recovery wheel (sorption and sensible technology)**
- › **Compact design**



D-AHU Modular R

500 m³/h
up to 25.000 m³/h

Modular P

- › Pre-configured sizes
- › Plug and play concept
- › EC Fan technology
- › **High efficiency aluminum counter flow plate heat exchanger**
- › **Compact design**



D-AHU Modular P

500 m³/h
up to 15.000 m³/h

› Modular L

- › Pre-configured sizes
- › Plug and play concept
- › EC Fan technology
- › **High efficiency aluminum counter flow plate heat exchanger**
- › **Low height unit**
- › **For false ceiling applications**



D-AHU Modular L

100 m³/h
up to 3.400 m³/h

Selection software

ASTRA Web

- > Quick AHU selection that will save you precious time, drastically reducing selection time through the new software interface.
- > Very competitive solution available within the Wizard thanks to pre-uploaded parameters.
- > High selection quality, thanks to the intelligence embedded within the software core.

Quickly select your air handling unit by following the wizard:

- 1 Select the series: D-AHU Professional or D-AHU Modular R
- 2 Insert the air flow supply and return
- 3 Insert the summer/winter air supply setpoint
- 4 Insert the summer/winter outdoor and extract temperature

You will get immediately your 3D result and it's ready to customize!

Adding or changing the components: coils for the Modular R or filters, recuperators etc for the Professional range. Options as insulation type and metal sheet can be selected.

When finished a technical report, price list, fan curve chart and psychrometric chart can be generated. These final reports can be downloaded in different formats.



Eurovent certification

Daikin Applied Europe S.p.A. participates in the Eurovent Certified Performance programme for Air Handling Units.

Check ongoing validity of certificate:
www.eurovent-certification.com
 or www.certiflash.com



EnergyTemiC°S2		Eurovent Classification according to EN1886				
D1	Casing strength class	D1	D2	D3		
	Max. relative deflection $\text{mm} \times \text{m}^{-1}$	4,00	10,00	EXCEEDING10		
L1	Casing air leakage class at -400 Pa	L1	L2	L3		
	Max. leakage rate (f_{400}) $\text{l} \times \text{s}^{-1} \times \text{m}^{-2}$	0,15	0,44	1,32		
L1	Casing air leakage class	L1	L2	L3		
	Max. leakage rate (f_{700}) $\text{l} \times \text{s}^{-1} \times \text{m}^{-2}$	0,22	0,63	1,90		
F9	Filter bypass leakage class	F9	F8	F7	F6	G1 TO F5
	Max. filter bypass leakage rate k in % of the volume flow rate	0,50	1	2	4	6
T2	Thermal transmittance	T1	T2	T3	T4	T5
	(U) $\text{W}/\text{m}^2 \times \text{K}$	$U \leq 0,5$	$0,5 < U \leq 1$	$1 < U \leq 1,4$	$1,4 < U \leq 2$	No requirements
TB2	Thermal bridging factor	TB1	TB2	TB3	TB4	TB5
	(kb) $\text{W} \times \text{m}^{-2} \times \text{K}^{-1}$	$0,75 < K_b \leq 1$	$0,6 < K_b \leq 0,75$	$0,45 < K_b \leq 0,6$	$0,3 < K_b \leq 0,45$	No requirements












NEW ALB-R/LB(S)







Premium efficiency heat recovery ventilation unit

- › Available in 6 sizes with an air flow up to 3.600 m³/h
- › Compliant with VDI 6022
- › Exceeding ERP 2018 requirement
- › Reduced energy consumption thanks to EC fans with IE4 motor efficiency
- › From 150 Pa up to 500 Pa of external static pressure, depending on the model sizes
- › Premium quality counter flow plate heat exchanger with efficiency up to 93%
Smallest size is 280 mm of height, while the biggest size is 500 mm of height
- › Energy saving solution thanks to the 100% automatic bypass
- › Free-cooling operation and energy efficient defrost logic
- › Double filter on supply and return, up to F7+F9 filtration level
- › Possibility to have pre – filter (G4, M5, F7)
- › CO₂ level management thanks to optional CO₂ sensor
- › 50 mm double skin panels, mineral wool insulated
- › Modbus and BACnet compatible (accessory)
- › Available also with integrated heating coil (water)
- › VAM PCB (Smart)
- › F1/F2 and P1/P2 protocol (Smart)
- › Fully compatible with SkyAir and VRV systems (Smart)
- › Direct integration into DIII-net (Smart)
- › Controlled through any Daikin local, centralized controllers iTAB, iTM, iTC (Smart)



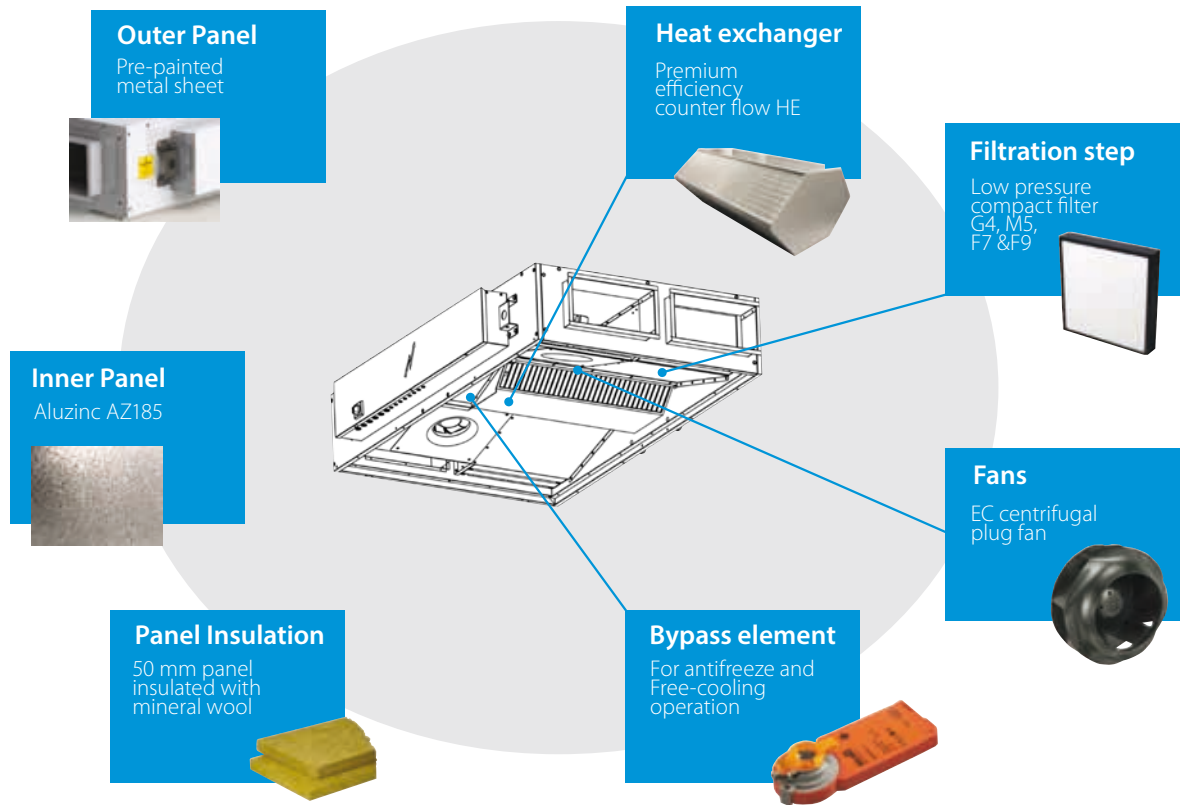
ALB-R/LB(S) ⁽¹⁾		02	03	04	05	06	07
ALB-R/LB	€	5.290,-	6.238,-	8.167,-	9.144,-	11.706,-	12.458,-
ALB-R/LB(S) (Smart)	€	4.672,-	5.630,-	7.563,-	8.542,-	11.107,-	11.877,-
Airflow/Airflow Smart	m ³ /h	300	600	1.200	1.500	2.500/2.300	3.000
Thermal efficiency ⁽²⁾ /Thermal efficiency ⁽²⁾ Smart	%	93/90	93/91	93/90	92/90	94/92	93/91
External static pressure	Nom. Pa	100	100	100	100	100	100
Current/Current Smart	Nom. A	0,52	1,17	1,91	2,48	4,39/3,76	5,39
Power input/Power input Smart	Nom. kW	0,12	0,27	0,44	0,57	1,01/0,87	1,24
SFPv ⁽³⁾ /SFPv Smart	kW/m ³ /s	1,24	1,49	1,25/1,28	1,31/1,32	1,42/1,32	1,46
Electrical supply	Phase	ph	1	1	1	1	1
	Frequency	Hz	50/60	50/60	50/60	50/60	50/60
	Voltage	V	220/240 Vac	220/240 Vac	220/240 Vac	220/240 Vac	220/240 Vac
Dimensions unit	Width	mm	920	1.100	1.600	1.600	2.000
	Height	mm	280	350	415	415	500
	Length	mm	1.660	1.800	2.000	2.000	2.000
Weight unit	kg	125	180	270	280	355	360
Rectangular duct flange	Width	mm	250	400	500	500	700
	Height	mm	150	200	300	300	400
Unit sound power level/Unit sound power level Smart	dBA	48	54	57	53	62/60	57
Unit sound pressure level ⁽⁴⁾ /Unit sound pressure level Smart	dBA	34	39	41	37	46	41

Accessories for ALB-R/LB		02	03	04	05	06	07	
	Compact filter	G4	ALF02G4A	ALF03G4A	ALF05G4A	ALF07G4A		
		€	24,-	29,-	36,-	40,-		
		M5	ALF02M5A	ALF03M5A	ALF05M5A	ALF07M5A		
		€	73,-	100,-	138,-	167,-		
	Silencer	F7	ALF02F7A	ALF03F7A	ALF05F7A	ALF07F7A		
		€	76,-	107,-	140,-	169,-		
		F9	ALF02F9A	ALF03F9A	ALF05F9A	ALF07F9A		
		€	82,-	113,-	149,-	173,-		
	Probes	900 mm depth	ALS0290A	ALS0390A	ALS0590A	ALS0790A		
		€	280,-	409,-	553,-	789,-		
		CO ₂	ALP00COA				618,-	
		€	ALP00HUA				356,-	
	Coil module	Humidity (%RH)	ALP00TEA				73,-	
		€						
		Electric pre-heating	ALD02HEFA	ALD03HEFA	ALD05HEFA	ALD07HEFA		
		€	1.644,-	1.716,-	2.287,-	2.996,-		
	Mechanical accessories	Electric post-heating	ALD02HESA	ALD03HESA	ALD05HESA	ALD07HESA		
		€	1.669,-	1.758,-	2.718,-	2.996,-		
		Water cooling (post-heating)	ALD02CWSA	ALD03CWSA	ALD05CWSA	ALD07CWSA		
		€	1.096,-	1.267,-	1.529,-	2.093,-		
	Valves	Water heating (pre/post-heating)	ALD02HWUA	ALD03HWUA	ALD05HWUA	ALD07HWUA		
		€	496,-	520,-	740,-	1.020,-		
		Rail	ALA02RLA	ALA03RLA	ALA05RLA	ALA07RLA		
		€	173,-	187,-	211,-	229,-		
	Electrical Accessories	Rectangular - Circular duct transition	ALA02RCA	ALA03RCA	ALA05RCA	ALA07RCA		
		€	113,-	171,-	197,-	262,-		
		2-way valve water heating	ALV02HW2A	ALV03HW2A	ALV05HW2A	ALV07HW2A		
		€	67,-	73,-	98,-	107,-		
	Controls	3-way valve water heating	ALV02HW3A	ALV03HW3A	ALV05HW3A	ALV07HW3A		
		€	82,-	98,-	107,-	113,-		
		2-way valve water cooling	ALV02CW2A	ALV03CW2A	ALV05CW2A	ALV07CW2A		
		€	67,-	73,-	98,-	107,-		
	Controls	3-way valve water cooling	ALV02CW3A	ALV03CW3A	ALV05CW3A	ALV07CW3A		
		€	82,-	98,-	107,-	113,-		
		Modulating actuator	ALE00AMVA				304,-	
		€						
	Controls	Module bacnet Interface	ALC00908A				327,-	
		€						
		Module modbus Interface	ALC00902A				211,-	
		€						
	Controls	Room thermostat (included in the main unit)	ALC00822A				140,-	
		€						
		Commissioning module	ALC00895A				369,-	
		€						

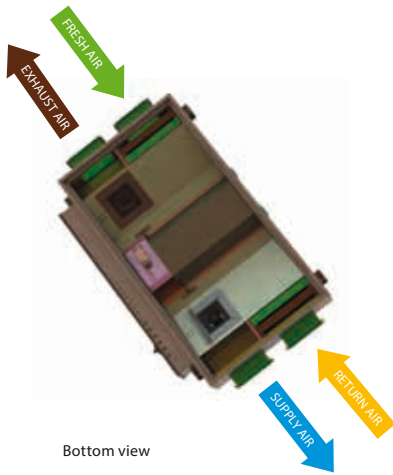
Accessories for ALB-R/LBS		02	03	04	05	06	07	
	Compact filter	G4	ALF02G4A	ALF03G4A	ALF05G4A	ALF07G4A		
		€	24,-	29,-	36,-	40,-		
		M5	ALF02M5A	ALF03M5A	ALF05M5A	ALF07M5A		
		€	73,-	100,-	138,-	167,-		
	Silencer	F7	ALF02F7A	ALF03F7A	ALF05F7A	ALF07F7A		
		€	76,-	107,-	140,-	169,-		
		F9	ALF02F9A	ALF03F9A	ALF05F9A	ALF07F9A		
		€	82,-	113,-	149,-	173,-		
	Probes	900 mm depth	ALS0290A	ALS0390A	ALS0590A	ALS0790A		
		€	280,-	409,-	553,-	789,-		
		CO ₂	BRYMA200				on request	
		€						
	Coil module	Electric pre-heating	ALD02HEFB	ALD03HEFB	ALD05HEFB	ALD07HEFB		
		€	1.322,-	1.391,-	1.874,-	2.491,-		
		Rail	ALA02RLA	ALA03RLA	ALA05RLA	ALA07RLA		
		€	173,-	187,-	211,-	229,-		
	Mechanical accessories	Rectangular - Circular duct transition	ALA02RCA	ALA03RCA	ALA05RCA	ALA07RCA		
		€	113,-	171,-	197,-	262,-		
		Control	BRC1H519W/S/K				164,-	
		€						
	Control	Room Thermostat (Not included in the main unit)	BRC1H519W/S/K				164,-	
		€						

Notes: (1) R= right connection and L= left connection; S = Smart Solution (Daikin PCB)
 (2) Nominal condition: Outdoor: -10°C (-5°C for Modular Light Smart), 90% Indoor: 22°C, 50%
 (3) SFPv is a parameter that quantifies the fan efficiency (the lower it is the better will be). This reduces if airflow decreases.
 (4) EN 3744. Surrounding, Directivity (Q) = 2, @1,5m distance

Modular Light unique features



Accessories



Modular Smart

Possible position of the element

	FRESH AIR	SUPPLY AIR	EXHAUST AIR	RETURN AIR
Compact filter	✓			✓
Silencer	✓	✓	✓	✓
CO ₂ sensor			✓	
Electric coil	✓			

Modular Light

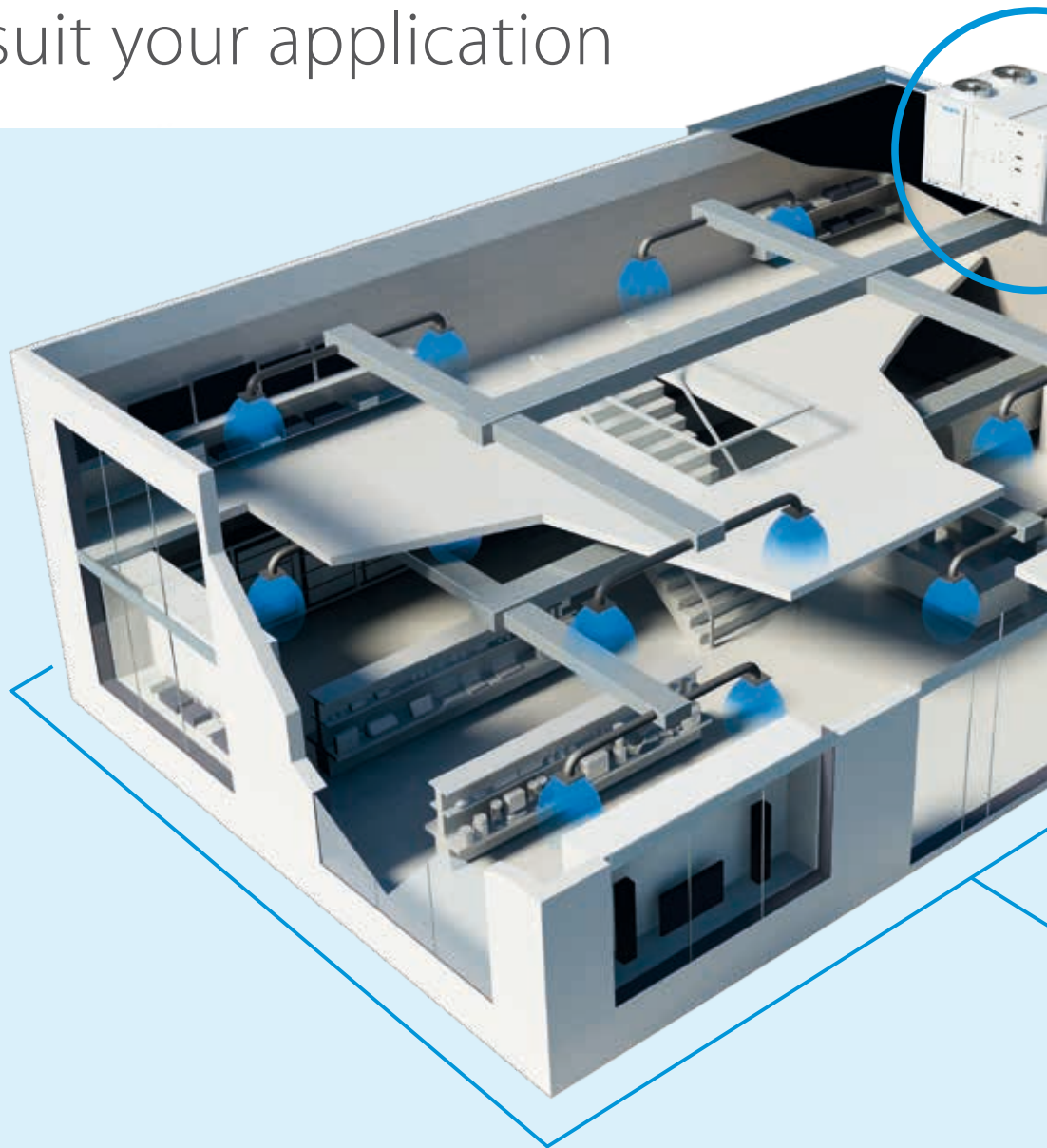
Possible position of the element

	FRESH AIR	SUPPLY AIR	EXHAUST AIR	RETURN AIR
Compact filter	✓			✓
Silencer	✓	✓	✓	✓
CO ₂ sensor				✓
Humidity sensor		✓		✓
Electric coil	✓	✓		
Water coil (2&3 way valve)	✓*	✓		

* Heating only

Daikin rooftops

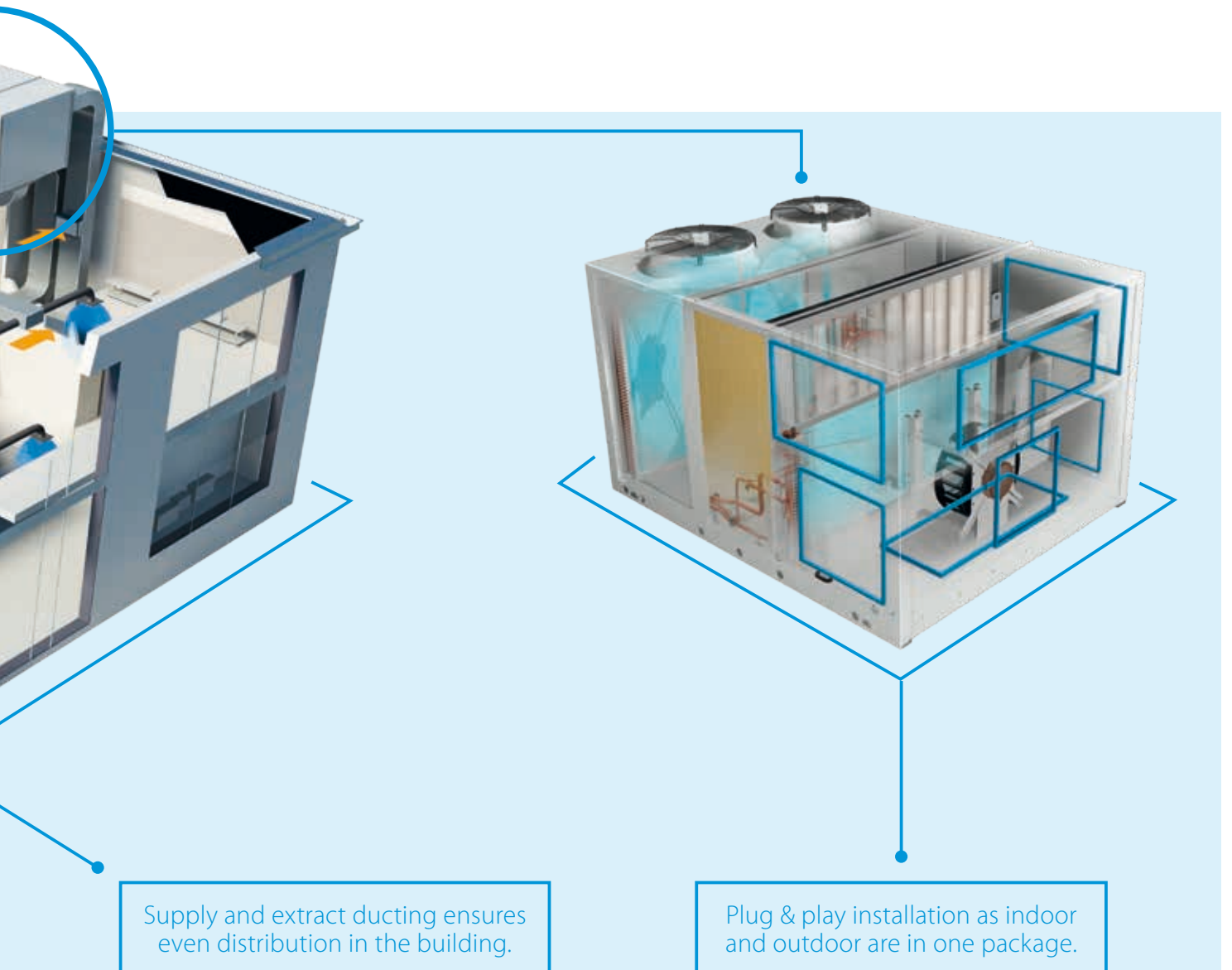
Flexible to suit your application



Rooftop for Retail & Department Stores

Retail & department stores need challenging design because of **limited space and complex building structure, containing different floors and spaces**. Daikin rooftops provide the solution:

- › Ductwork can be connected flexibly (front, left, right, bottom) to optimize installation space.
- › High efficiency EC plug fans are maintenance free, limiting the downtime of the system for maintenance.
- › Extraction damper and fan ensure there is no overpressure in the building and air circulation is optimised.
- › High indoor air quality can be guaranteed thanks to integrated fresh air provision.



Rooftop for Warehouses & Industry

For building managers and engineers, warehouses or industrial applications can pose serious HVAC **challenges because of their size and unique design**. Daikin rooftops provide the solution:

- › Pre-connected indoor/outdoor units and factory charged refrigerant provide cost-effective installation.
- › High ESP up to 300Pa allows extensive ductwork to evenly distribute the air across a large space.
- › Scroll compressor and free cooling ensure highly efficient 24/7 operation.
- › Clogged filter alarm indicates when filter needs cleaning, ensuring optimum operation and minimized energy consumption.



Daikin rooftops series

An extensive package included in all models



1 Standard integrated high efficiency EC plug fans

- › Static pressure up to 300Pa
- › Inverter controlled
- › Maintenance free

2 Standard flexible air delivery

- › Up to 4 possible sides can be selected on site (front, left, right, bottom)

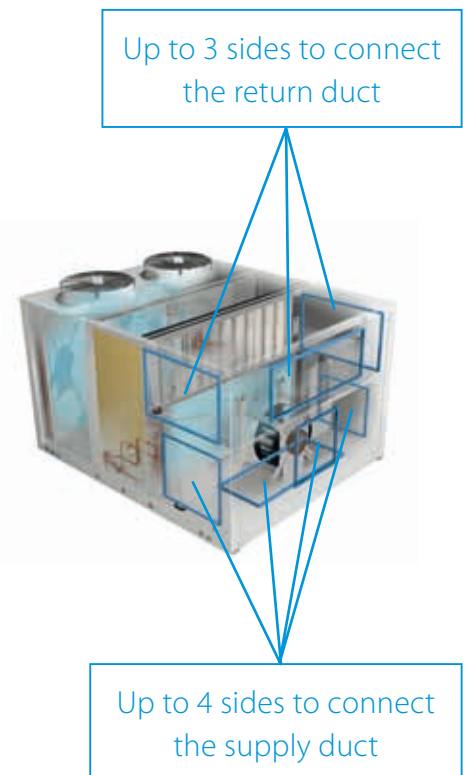
3 Latest pCO⁵ controller

- › Direct integration into Daikin intelligent Touch Manager BMS (via optional BACnet protocol)
- › Easy integration in 3rd party BMS systems
 - › Standard Modbus protocol
 - › Optional BACnet protocol

4 Standard clogged filter alarm

- › Indicates when a filter requires cleaning
- › Improved indoor air quality and efficiency

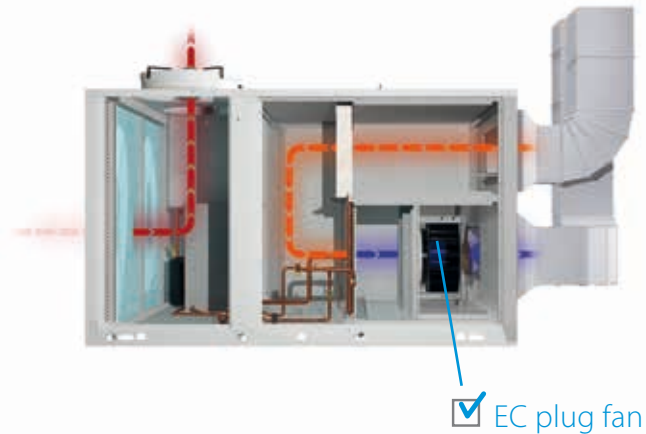
5 Hydrophilic coated aluminium fins on indoor and outdoor side



UATYQ-ABAY1

High installation flexibility and easy servicing

- › Easy to install 'plug and play' concept plus single installation configuration; no additional piping is required since indoor and outdoor sides are pre-connected
- › High efficiency and reliable scroll compressor
- › Factory pre-charged refrigerant ensures clean and efficient operation

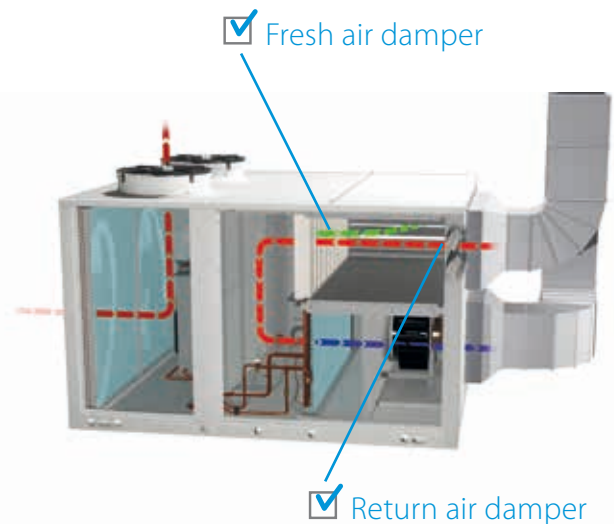


Cooling operation example

UATYQ-AFC2Y1

2 damper version, with integrated fresh air

- › Free cooling with 100% fresh air possible
 - › Improved air quality
 - › Energy saving using fresh outdoor air to cool the building
- › Standard CO₂ sensor connection
 - › Ideal balance between efficiency and indoor air quality
- › Includes all Base model features

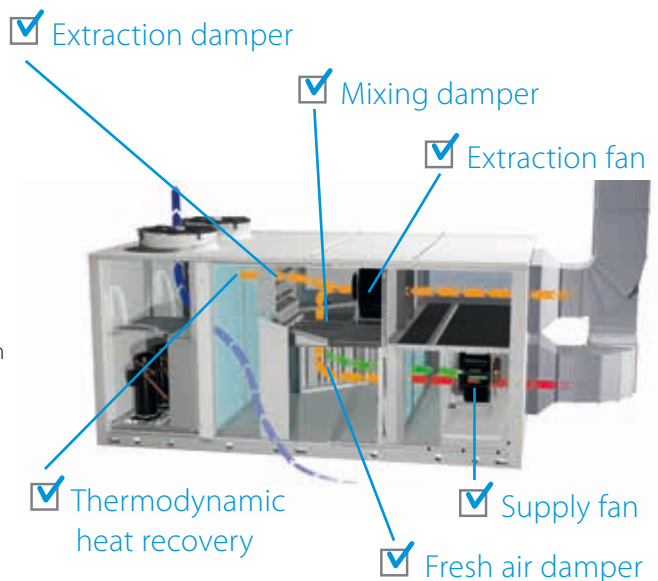


Cooling operation example

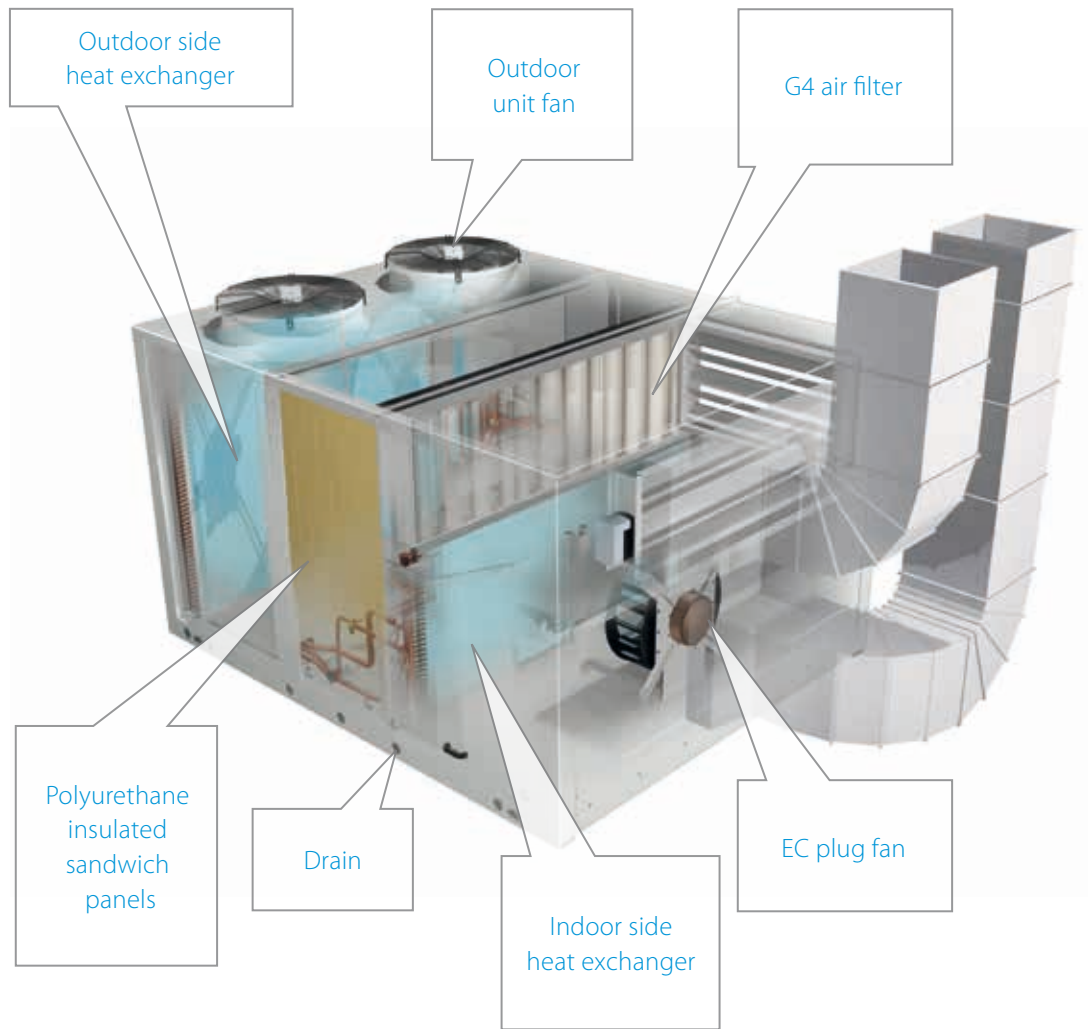
UATYQ-AFC3Y1

3 damper version, with integrated fresh air and extraction

- › Extraction damper integrated
 - › Eliminates excessive overpressure in the building
 - › UATYQ45-115AFC3Y1 models include high efficient extraction fan for optimum air circulation in larger buildings
- › Thermo dynamic heat recovery
 - › Saves energy by recovering waste heat through the outdoor heat exchanger
 - › Available on UATYQ20-55AFC3Y1



Heating operation example



UATYQ20ABAY1

UATYQ25-30ABAY1

UATYQ45-55ABAY1

UATYQ65-75ABAY1

UATYQ90-115ABAY1

UATYQ20AFC2Y1

UATYQ25-30AFC2Y1

UATYQ25-30AFC2Y1

UATYQ65-75AFC2Y1

UATYQ90-115AFC2Y1

UATYQ20AFC3Y1

UATYQ25-30AFC3Y1

UATYQ25-30AFC3Y1

UATYQ65-75AFC3Y1

UATYQ90-115AFC3Y1

Products overview rooftops

System	Type	Model	Product name	Refrigerant	Capacity class (kW)											
					20	25	30	45	50	55	65	75	90	100	115	
For EU region	Air cooled Heat pump	Rooftop unit With extensive base package for high installation flexibility and easy servicing - 'Plug and play' for easy installation - High efficiency - Field convertible return and supply air - Direct integration with Daikin or third party BMS - Factory pre-charged refrigerant	UATYQ-ABAY1	R-410A	●	●	●	●	●	●	●	●	●	●	●	●
		Rooftop unit 2 damper version with integrated fresh air - 'Plug and play' for easy installation - Free cooling with up to 100% fresh air intake - High efficiency - Field convertible return and supply air - Direct integration with Daikin or third party BMS	UATYQ-AFC2Y1		●	●	●	●	●	●	●	●	●	●	●	
		Rooftop unit 3 damper version with integrated fresh air and extraction - 'Plug and play' for easy installation - Integrated extraction damper eliminates over-pressure - Thermo dynamic heat recovery, recovering waste heat - Free cooling with up to 100% fresh air intake - Field convertible return and supply air	UATYQ-AFC3Y1		●	●	●	●	●	●	●	●	●	●	●	

UATYQ-ABAY1

BASE version:
Working with 100% indoor air recirculation.



UATYQ-ABAY1				20	25	30	45	50	55	65	75	90	100	115		
Price				€	14.928,-	16.843,-	16.974,-	22.109,-	23.771,-	25.433,-	29.378,-	31.223,-	37.569,-	38.498,-	41.557,-	
Cooling capacity	Nom.	kW		19,5	28,0	30,4	44,1	49,2	51,6	63,5	73,9	90,3	101,6	106,8		
Heating capacity	Nom.	kW		17,9	27,0	31,3	46,1	51,9	56,3	63,8	76,6	93,3	104,5	114,2		
Space cooling	Capacity	Pdesign	kW	19,5	28,0	30,4	44,1	49,2	51,6	63,5	73,9	90,3	101,6	106,8		
	ηs,c		%	135,0	143,5	127,5	119,5	134,1	129,0	130,4	124,6	118,2	137,9	127,0		
Space heating (Average climate)	Capacity	Pdesign	kW	17,9	27,0	31,3	46,1	51,9	56,3	63,8	76,6	93,3	104,5	114,2		
	ηs,h		%	115,4	129,0	119,5	115,4	125,2	124,8	121,0	118,2	116,0	125,3	124,3		
Power input	Cooling	Nom.	kW	6,6	10,0	12,0	17,0	19,7	22,5	23,6	29,7	33,8	39,0	44,3		
	Heating	Nom.	kW	5,8	8,0	9,6	14,6	16,3	18,1	20,0	25,1	29,9	33,2	37,3		
EER					2,94	2,79	2,54	2,60	2,50	2,29	2,69	2,49	2,67	2,60	2,41	
COP					3,07	3,38	3,26	3,15	3,19	3,11	3,20	3,05	3,12	3,15	3,06	
Evaporator	Supply side	Fan	Air flow rate	m³/h	4.950	7.260	8.250	11.000	12.100	13.200	15.400	17.600	20.900	23.650	25.300	
			Nom. external static pressure	Pa	300											
Return side	Air discharge direction		Frontal, Left			Frontal, Left, Right, Bottom			Left, Right, Bottom							
	Air intake direction		Rear			Rear, Right, Left			Rear							
Condensator	Air flow rate	Cooling	m³/h	11.500	12.000			19.000			33.200		44.000			
Condensator	Refrigerant	Type / GWP	R410-A / 2.087,5													
Condensator	Charge	TCO2Eq / kg	15,7 / 7,5	27,1 / 13,0			35,5 / 17,0			31,3 / 15,0		41,8 / 20,0	43,8 / 21,0	48,0 / 23,0		
Dimensions	Unit	Height x Width x Depth	mm	1.576x1.828x1.762	2.126x1.828x1.762			1.799x2.712x2.263			1.799x3.760x2.252		2.180x4.059x2.252			
Weight	Unit		kg	672	780			1,068	1,221	1,247	1,553	1,581	1,738	1,742	1,794	
Casing	Colour	RAL 7035														
Sound pressure level	Cooling		dB(A)	60			61	63			64		65			
Sound power level	Cooling		dB(A)	77	78			79	81			83		85		
Operation range	Cooling	Min. ~ Max.	°CDB	0 ~ 47												
	Heating	Min. ~ Max.	°CWB	-12,1 ~ 19,5												
Power supply	Voltage / Phase / Frequency		V / Hz	400/3+N/50 ±5%								400/3/50 ±5%				
Current	Recommended fuses		A	25	32	40	50	63	80	100	125					

UATYQ-AFC2Y1

FC2S version:
Including free cooling up to 100% with 2 dampers. Integrated fresh air management. The air extraction is done in the building separately.



		UATYQ-AFC2Y1		20	25	30	45	50	55	65	75	90	100	115		
Price		€		16.092,-	18.177,-	18.306,-	23.400,-	25.062,-	26.724,-	31.142,-	32.746,-	39.337,-	40.433,-	43.324,-		
Cooling capacity	Nom.		kW	19,5	28,0	30,4	44,1	49,2	51,6	63,5	73,9	90,3	101,6	106,8		
	with 30% fresh air		kW	20,9	30,0	32,5	47,8	52,3	55,1	68,1	78,9	96,7	108,2	114,2		
Heating capacity	Nom.		kW	17,9	27,0	31,3	46,1	51,9	56,3	63,8	76,6	93,3	104,5	114,2		
	with 30% fresh air		kW	18,3	27,5	31,8	48,8	52,6	57,2	65,5	77,8	94,9	106,0	116,6		
Space cooling	Capacity	Pdesign	kW	19,5	28,0	30,4	44,1	49,2	51,6	63,5	73,9	90,3	101,6	106,8		
	ηs,c		%	135,0	143,5	127,5	119,5	134,1	129,0	130,4	124,6	118,2	137,9	127,0		
Space heating (Average climate)	Capacity	Pdesign	kW	17,7	27,0	31,3	46,1	51,9	56,3	63,8	76,6	93,3	104,5	114,2		
	ηs,h		%	115,4	129,0	119,5	115,4	125,2	124,8	121,0	118,2	116,0	125,3	124,3		
Power input	Cooling	Nom.	kW	6,6	10,0	12,0	17,0	19,7	22,5	23,6	29,7	33,8	39,0	44,3		
	Heating	Nom.	kW	5,8	8,0	9,6	14,6	16,3	18,1	20,0	25,1	29,9	33,2	37,3		
EER	with 30% fresh air			3,14	2,95	2,67	2,74	2,60	2,41	2,85	2,61	2,82	2,73	2,53		
COP	with 30% fresh air			3,37	3,75	3,56	3,42	3,48	3,40	3,64	3,31	3,38	3,43	3,35		
Evaporator	Supply side	Fan	Air flow rate	m³/h	4.950	7.260	8.250	11.000	12.100	13.200	15.400	17.600	20.900	23.650	25.300	
			Nom. external static pressure	Pa	300											
Return side	Air discharge direction	Frontal, Left			Frontal, Left, Right, Bottom			Left, Right, Bottom								
		Rear			Right-Rear											
Fresh air	Air intake direction	Standard														
	Ratio	Standard	%	yes												
In free cooling	Ratio	Standard	%	30												
	In free cooling	Standard	%	100												
Condensator	Air flow rate	Cooling	m³/h	11.500	12.000	19.000			33.200			44.000				
Condensator	Refrigerant	Type / GWP	R410-A / 2.087,5													
Condensator	Charge	TCO2Eq/kg	15,7 / 7,5	27,1 / 13,0			35,5 / 17,0			31,3 / 15,0			41,8 / 20,0	43,8 / 21,0	48,0 / 23,0	
Dimensions	Unit	Height x Width x Depth	mm	1.576x1.828x1.762	2.126x1.828x1.762			1.799x2.712x2.263			1.799x4.675x2.252			2.180x4.875x2.252		
Weight	Unit	kg	679	788			1.098	1.251	1.277	1.698	1.726	1.906	1.914	1.966		
Casing	Colour	RAL 7035														
Sound pressure level	Cooling	dBA	60			61	63			64			65			
Sound power level	Cooling	dBA	77	78			79	81			83			85		
Operation range	Cooling	Min. ~ Max.	°CDB	0 ~ 47												
	Heating	Min. ~ Max.	°CWB	-12,1 ~ 19,5												
Power supply	Voltage / Phase / Frequency	V / Hz	400/3+N/50 ±5%									400/3/50 ±5%				
Current	Recommended fuses	A	25	32	40	50	63			80	100		125			

UATYQ-AFC3Y1

FC3S version:

A third version including free cooling up to 100% fitted with 3 dampers. The third damper will assure the building overpressure is compensated by the unit.





























		UATYQ-AFC3Y1		20	25	30	45	50	55	65	75	90	100	115		
Price		€		18.334,-	20.678,-	20.809,-	28.807,-	30.973,-	32.635,-	38.256,-	39.744,-	45.915,-	47.612,-	51.077,-		
Cooling capacity	Nom.	kW		19,5	28,0	30,4	44,1	49,2	51,6	63,5	73,9	90,3	101,6	106,8		
	with 30% fresh air	kW		21,1	30,4	33,2	47,8	53,4	56,3	68,1	78,9	96,7	108,2	114,2		
Heating capacity	Nom.	kW		17,9	27,0	31,3	46,1	51,9	56,3	63,8	76,6	93,3	104,5	114,2		
	with 30% fresh air	kW		18,9	28,7	33,2	48,8	54,9	59,7	65,5	77,8	94,9	106,0	116,6		
Space cooling	Capacity	Pdesign	kW	19,5	28,0	30,4	44,1	49,2	51,6	63,5	73,9	90,3	101,6	106,8		
	ηs,c		%	135,0	143,5	127,5	119,5	134,1	129,0	130,4	124,6	118,2	137,9	127,0		
Space heating (Average climate)	Capacity	Pdesign	kW	17,9	27,0	31,3	46,1	51,9	56,3	63,8	76,6	93,3	104,5	114,2		
	ηs,h		%	115,4	129,0	119,5	115,4	125,2	124,8	121,0	118,2	116,0	125,3	124,3		
Power input	Cooling	Nom.	kW	6,6	10,0	12,0	17,0	19,7	22,5	23,6	29,7	33,8	39,0	44,3		
	Heating	Nom.	kW	5,8	8,0	9,6	14,6	16,3	18,1	20,0	25,1	29,9	33,2	37,3		
EER	with 30% fresh air			3,25	3,08	2,82	2,82	2,70	2,51	2,82	2,58	2,79	2,70	2,51		
	with 30% fresh air			3,46	3,84	3,66	3,44	3,51	3,42	3,58	3,26	3,33	3,38	3,30		
Evaporator	Supply side	Fan	Air flow rate	m³/h	4.950	7.260	8.250	11.000	12.100	13.200	15.400	17.600	20.900	23.650	25.300	
			Nom. external static pressure	Pa	300											
Return side	Fan	Air discharge direction	Frontal, Left			Frontal, Left, Right, Bottom			Left, Right, Bottom							
		Air flow rate	m³/min	N/A			11.000	12.100	13.200	15.400	17.600	20.900	23.650	25.300		
Fresh air	Standard	Ratio	Nom. external static pressure	Pa	N/A											
			Air intake direction	Rear			Rear, Right, Left			Rear, Right, Left, Bottom						
Fresh air	Therm. heat recovery	Standard	yes													
			Ratio	Standard	yes											
Fresh air	In free cooling	Ratio	30													
			100													
Condensator	Air flow rate	Cooling	m³/h	11.500	12.000			19.000			33.200		44.000			
Condensator	Refrigerant	Type / GWP	R410-A / 2.087,5													
Condensator	Charge	TCO2Eq/kg	15,7 / 7,5	27,1 / 13,0			35,5 / 17,0			31,3 / 15,0		41,8 / 20,0	43,8 / 21,0	48,0 / 23,0		
Dimensions	Unit	Height x Width x Depth	mm	1.576x1.828x1.762	2.126x1.828x1.762			1.799x3.518x2.272			1.799x5.660x2.252		2.180x5.660x2.252			
Weight	Unit		kg	686	796			1.382	1.535	1.561	2.142	2.166	2.338	2.346	2.398	
Casing	Colour	RAL 7035														
Sound pressure level	Cooling		dB(A)	60			61	63			64		65			
Sound power level	Cooling		dB(A)	77	78			79	81			83		85		
Operation range	Cooling	Min. ~ Max.	°CDB	0 ~ 47												
		Min. ~ Max.	°CWB	-12,1 ~ 19,5												
Power supply	Voltage / Phase / Frequency		V / Hz	400/3+N/50 ±5%								400/3/50 ±5%				
Current	Recommended fuses		A	25	32	40	63	80			100		125			

Options

Option	UATYQ-ABAY1			UATYQ-AFC2Y1					UATYQ-AFC3Y1				
	20-55	65-75	90-115	20	25-30	45-55	65-75	90-115	20	25-30	45-55	65-75	90-115
Remote controller for remote installation, standard there is always one controller pre-fitted onto the rooftop unit	UATYQWRC												
€	555,-												
BMS interface BACnet (IP), for iTM integration)	UATYQBACNET												
€	813,-												
Anti-vibration mounts to minimize unit vibration and enhance the sound absorption	UATYQAVM1												
€	87,-(2 pcs)	87,-(3 pcs)	87,-(4 pcs)	87,-(2 pcs)	87,-(2 pcs)	87,-(2 pcs)	87,-(4 pcs)	87,-(4 pcs)	87,-(2 pcs)	87,-(2 pcs)	87,-(3 pcs)	87,-(4 pcs)	87,-(4 pcs)
Rainproof hood & protection grill				UATYQRAPH1	UATYQRAPH2	UATYQRAPH3	UATYQRAPH4	UATYQRAPH5	UATYQRAPH1	UATYQRAPH2		UATYQRAPH4 ⁽¹⁾	UATYQRAPH5 ⁽¹⁾
€	-	-	-	345,-	461,-	503,-	839,-	1.032,-	345,-	461,-	-	839,-(2 pcs)	1.032,-(2 pcs)

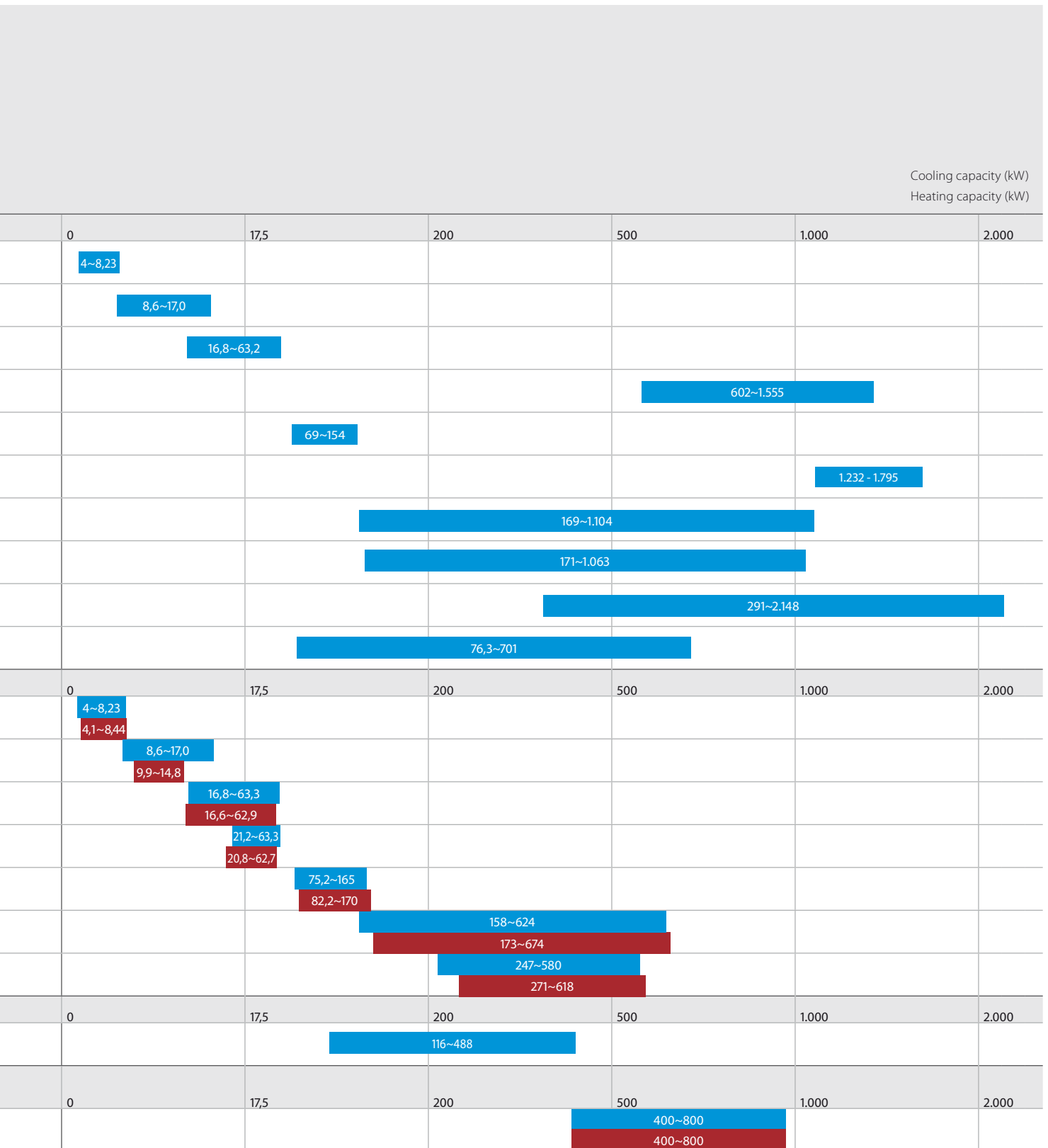
Note: (1) Requires 2 kits for both fresh air and exhaust air

Products overview





















	Refrigerant type *	Refrigerant circuits	Inverter 	Free cooling 	Compressor			Water heat exchanger		Efficiency version			Sound version		
					Swing 	Scroll 	Screw 	Plate ** 	Single pass shell and tube 	Standard	High	Premium	Standard	Low	Reduced
Cooling only															
EWQA~BVP 	R-410A	1	●		●			●	BPHE	●			●		
EWQA~ACV3/ACW1 	R-410A	1	●			●		●	BPHE	●			●		
EWQA~CWN/P/H 	R-410A	1-2	●			●		●	BPHE	●			●		
EWAD~CF 	R-134a	2		●			●	●			●		●	●	●
EWQA-G 	R-410A	1				●		●	BPHE	●	●		●		●
EWAD-CZ Models in the range 1200 kW - 1800 kW are available 	R-134a	2-3	●				●	●			●		●	●	●
EWAD-TZ B 	R-134a	1-2	●				●	●	●	●	●	●	●	●	●
EWAH-TZ B NEW 	R-1234ze(E)	1-2	●				●	●	●	●	●	●	●	●	●
EWAD-T- 	R-134a	2					●	●		●	●	●	●	●	●
EWAT-B NEW 	R-32	1-2				●		●		●	●	●	●	●	●
Heat pump															
EWYQ~BVP 	R-410A	1	●		●			●	BPHE	●			●		
EWYQ~ACV3/ACW1 	R-410A	1	●			●		●	BPHE	●			●		
EWYQ~CWN/P/H 	R-410A	1-2	●			●		●	BPHE	●			●		
SEHVX-BW SERHQ-BW1 	R-410A	1	●			●		●	BPHE	●			●		
EWYQ~G- 	R-410A	1				●		●	BPHE		●		●		●
EWYQ~F- 	R-410A	1-2				●		●			●		●	●	●
EWYD~BZ 	R-134a	2-3	●				●	●		●			●	●	
Condensing unit															
ERAD~E- 	R-134a	1					●			●			●	●	
Multipurpose unit															
EWYD-4Z 	R-134a	2	●				●	●		●			●	●	●

* (GWP) : R-410A (2.087,5), R-134a (1.430) - ** BPHE: Brazed plate heat exchanger

Air cooled chillers, condensing units and Multipurpose units



Products overview

	Refrigerant Type *	Refrigerant circuits	Inverter 	Compressor			Water heat exchanger			Efficiency version			Sound version
				Scroll 	Screw 	Centrifugal 	Plate **	Single pass shell and tube	Shell and tube	Standard	High	Premium	Standard
Water cooled chillers (Cooling only & Heating only)													
EWVQ-KBWIN 	R-410a	1-2		●			●			●			●
EWVQ~G- 	R-410A	1		●			●			●			●
EWVQ~G- 	R-410A	1		●			●			●			●
EWVQ~L- 	R-410A	2		●			●			●			●
EWVQ~J- 	R-134a	1			●		●			●			●
Water cooled chillers (Cooling only)													
EWVQ-VZ 	R-134a	1	●		●				● Flooded	●	●	●	●
EWVQ-VZ NEW 	R-1234ze(E)	1	●		●				● Flooded	●	●	●	●
Condenserless chillers													
EWLQ-KBWIN 	R-410a	1-2		●			● BPHE			●			●
EWLQ~G- 	R-410A	1		●			●			●			●
EWLQ~L- 	R-410A	2		●			●			●			●
EWLQ~J- 	R-134a	1			●		●			●			●
EWLQ~I- 	R-134a	1-2-3			●			●		●			●
Water cooled centrifugal chillers													
EWVQ-DZ NEW 	R-134a	1				●			●		●		●
EWVQ-DZ NEW 	R-1234ze(E)	1				●			●		●		●
DWSC DWDC 	R-134a	1	optional			●			● Flooded		●		●
6,000 RT CENTRIFUGAL 	R-134a	2 per chiller				●			● Flooded		●		●

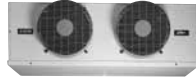
* (GWP) : R-410A (2.087,5), R-134a (1.430), R-407C (1.773,9) - ** BPHE: Brazed plate heat exchanger

							Cooling capacity (kW)	Heating capacity (kW)
0	17,5	200	500	1.000	2.000	21.800		
	13,2~183,8							
		16,4~225,5						
		87,3~352						
			118~462					
		93,7~370						
			112~468					
		120~280	187~721					
			234~914					
		142~350						
0	17,5	200	500	1.000	2.000	21.800		
				449~2.074				
			329 - 1.540					
0	17,5	200	500	1.000	2.000	21.800		
	12,5~56,71							
		86,5~346						
			173~676					
		110~529						
			315~1.433					
0	17,5	200	500	1.000	2.000	21.800		
				320~2.173				
			227~1.415					
			300~4.500	600~9.000				
					[2 x 10.900]	21.800		

AIR COOLER

1-162 kW

On request we can offer you the most suitable air cooler for your application based on a brine/water solution.



AIR HANDLING UNIT

500-140.000 m³/h

On request we can offer you the most suitable air handling unit for your application.

- › Air handling units for filtering, heating, cooling, humidifying, and air drying
- › Air handling units with heat recovery
- › Air handling units for outdoor installation
- › Air handling units in hygienic execution for hospital and clean room
- › Air handling units with indirect gas fired heating
- › Air handling units for swimming pool applications
- › Air handling units with higher air volumes manufactured on request
- › Air handling units with thermal uncoupled frame



DRY COOLER & CONDENSER

3-2.400 kW

On request we can offer you the most suitable dry cooler and condenser for your application.

For correct selection we need following info:

- › Heat rejection capacity (kW) or chiller type and working conditions
- › Liquid inlet and outlet temperature (dry cooler)
- › Liquid type (dry cooler)
- › Condensing temperature (condenser)
- › Refrigerant type and number of circuits (condenser)
- › Maximum/Minimum ambient temperature
- › Maximum sound level
- › Space restrictions



COOLING TOWER

70-9.200 kW

On request we can offer you the most suitable cooling tower for your application.

For correct selection we need following info:

- › Heat rejection capacity (kW) or chiller type and working conditions
- › Liquid inlet and outlet temperature
- › Liquid type
- › Maximum/Minimum ambient temperature
- › Maximum sound level
- › Space restrictions



COMPRESSOR

Inspection/repair/overhaul

To extend the lifetime of your compressor, Daikin offers a compressor overhaul service as preventive maintenance.

In case of broken compressor, Daikin can offer an inspection to determine whether the compressor is repairable or not. Based on the findings the broken parts will be replaced and the compressor will be restored into operational condition.



Inspection	
Inspection fee/ compressor*	on request
Repair	
Repair cost/ compressor*	After inspection, on quotation base
Overhaul	
Overhaul cost/ compressor*	on request

Remarks

The above is only valid for DAIKIN semi-hermetic compressors

* Excluding transport cost and other site related costs

MENTIONED CAPACITIES, EFFICIENCY RATIOS, SOUND POWER LEVELS, DIMENSIONS

Weights are indicative and valid under the following conditions:

Chillers			
Air cooled units	Cooling	7 °C / 12 °C water	35 °C ambient temp
	Heating	40 °C / 45 °C water	7 °C ambient temp
Condenserless units	Heat recovery	7 °C / 12 °C water	40°C / 45°C heat recovery 35 °C ambient temp
	Cooling	7 °C / 12 °C water	45 °C condensing temp / 5 K subcooling
Water cooled units	Cooling	7 °C / 12 °C evaporator water	30 °C / 35 °C condenser water
	Heating	7 °C / 12 °C evaporator water	40 °C / 45 °C condenser water
Condensing units			
Cooling:	evaporation temperature:	6 °C	outdoor temperature: 35 °C
	condensing temperature:	46 °C	on-coil temperature: 27 °CDB / 19 °CWB
Heating:	condensing temperature:	7 °C	on-coil temperature: 20 °CDB
	General:	evaporator superheat: 5K condenser sub-cool: 3K 7,5 m equivalent refrigerant piping 0 m level difference	
Fan coil units			
Cooling:	Room temperature DB/WB:	27 °C/19 °C	
	Entering/Leaving water temperature:	7 °C/12 °C	
Heating:	Room temperature:	20 °C	
	Entering water temperature:	50 °C (2-pipe, water flow rate same as for the cooling) / 70 °C (4-pipe, water temperature leaving 60°C)	



Daikin Services

Saving energy doesn't stop with the purchase or installation of energy-efficient equipment; it has to be kept running under optimum conditions.

Good maintenance and servicing are key elements in ensuring the maximum performance.

- Are you sure the filters are clean and none of the components are defective?
- Are all of your settings correct?

Any of these things may lead to a reduced level of comfort. And while you may not notice the difference right away, you will certainly notice it at the end of the year – when you pay your energy bill.

Our Daikin design team is constantly striving to improve the energy efficiency of our systems.

We at Daikin Service are here to support you in keeping your units up and running efficiently by means of optimised commissioning and start-up, regular and preventative maintenance, remote monitoring, improving the performance of units, and providing cost effective upgrades to benefit from the efficiency gains from our latest state of the art technology.

Optimisation and upgrades



European Remote Monitoring Center



Upgrading / optimisation

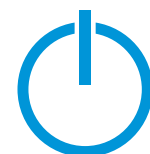
Keep the installation in top condition



Care Packages

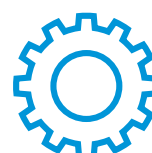


Installation support



Commissioning

Parts and repairs



Spare parts



Repair service

Commissioning

To guarantee your Daikin unit efficiency and long term performance, Daikin offers the **professional start-up of your Daikin system** by highly qualified, OEM educated engineers as part of the commissioning services.

Commissioning through an authorized Partner or by Daikin itself assures you that your unit is working as it should and is delivering all the benefits of a unique climate.

Every commissioning is documented as per Daikin standard and a detailed commissioning report is provided, detailing all activities done and recording the functioning of the units.



The prices listed are based on completion of the Pre-Commissioning checklist which covers a range of core activities including the general conditions at the site, provision of power and the required electrical distribution as well as installation related topics. This ensures that the service can be provided efficiently, on time and giving the best results. For the latest edition of the Pre-Commissioning checklist please visit: www.daikin-ce.com

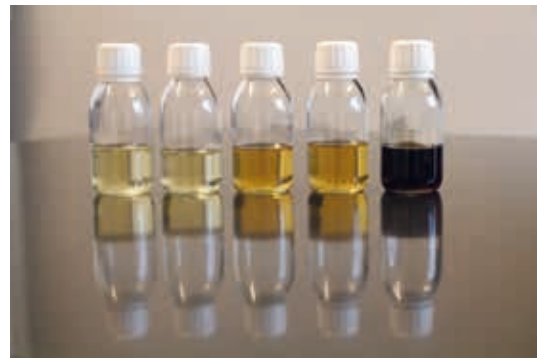
Description	Nr. of circuits	Nr. of compressors	Vompressor type	Material Number	COMMISSIONING PRICE [€]
Type					
Minichillers	1	1	swing	CE.S_COM_APS	on request
Multi-Scroll chillers	1	1-2	scroll	CE.S_COM_APS_S	on request
	2	2-4	scroll	CE.S_COM_APS_S	on request
Screw-Chillers air- & watercooled DX-version	1	1	screw	CE.S_COM_APS_S	on request
	2	2	screw	CE.S_COM_APS_M	on request
	3	3	screw	CE.S_COM_APS_M	on request
	4	4	screw	CE.S_COM_APS_M	on request
Screw-Chillers watercooled, flooded	1	1	screw	CE.S_COM_APS_M	on request
	1	2	screw	CE.S_COM_APS_L	on request
Centrifugal Chillers	1	1	centrifugal	CE.S_COM_APS_C	on request
	1	2	centrifugal	CE.S_COM_APS_C	on request
AHU	-	-	-		based on quotation
Additional Services & Materials					
On Request					on request
Labour rates					
Labour hour service engineer				CE.S_LA_HOUR	on request
Labour hour service engineer +50%				CE.S_LA_HOUR50	on request
Labour hour service engineer +100%				CE.S_LA_HOUR100	on request
Labour hour service foreman				CE.S_LA_FOR	on request
Labour hour project design				CE.S_LA_PRO	on request
Normal working hours without surcharge				MON – THU: 08:00-17:00, FRI: 08:00-12:00	
50% surcharge				MON – FRI: 07:00-08:00 and 17:00-20:00,SAT: 07:00-20:00	
100% surcharge				Before 07:00 and after 20:00 and on Sundays and holidays	
Travel Costs (not including parking, highway tolls etc)					
Cost allowance per km				CE.S_TR_KM_AL	on request
Flat travel fee per case				CE.S_TR_CASE	on request
Special travel cost (plane, ferry...)				CE.S_TR_SPEC	on request
Travel zone 1				CE.S_TR_Z1	on request
Travel zone 2				CE.S_TR_Z2	on request
Travel zone 3				CE.S_TR_Z3	on request
Travel zone 4				CE.S_TR_Z4	on request
Hourly rate for car travel				CE.S_TR_HOUR	on request
Cancellation					
Failed travel (customer fault)				CE.S_COM_FAILTRAV	50% of planned activity
Training					
Full day Training per person per day (minimum 5 participants)				CE.S_LA_TRA	on request

Maintenance

Maintenance is the key element to ensure the quality, efficiency and flawless operation of any asset. Our Care agreements are based on years of experience to ensure you reap the full benefits of having Daikin Certified engineers maintain your equipment. Preventive maintenance and regular service is a key component in securing your investment. Dust, temperature, humidity and load degrade the reliability and performance of a HVAC system over time. Regular maintenance of a unit or

system ensures that electricity costs and performance are not jeopardized, and that the safety features and the entire system are in line with the latest standards and regulations.

Regular care safeguards your investment for the full lifetime of the Daikin System. Downtime and failures are avoided, while keeping operating costs low, as they should be throughout the entire system lifecycle. **Preventive care plans** give you cost transparency avoiding unexpected repair costs or degradation of comfort, quality or production loss.



Daikin Cares contains 3 different levels of maintenance agreements catering to your every need. In addition to these 3 Care packages Daikin offers a comprehensive set of options you can choose from.

Daikin Cares contains 3 different levels of maintenance agreements catering to your every need. In addition to these 3 Care packages Daikin offers a comprehensive set of options you can choose from.

1. Care:

Care is the minimal requirement to fulfil current legislation requirements, and makes sure your machine is operating in a correct fashion and according to parameters.

The Care package includes the following services:

- Inspections based on predefined activities
- On-site system diagnostic and/or analysis during service intervention
- Recorded, retrievable service history of each machine
- Validated Log book

2. Preventive Care:

Preventive Care keeps the machine in optimal condition and that the Warranty is valid for the long run.

In addition to the maintenance activities included in the Care package, Preventive Care includes:

- › Mechanical inspection (star gate) of screw compressor
- › Capacity regulator overhaul
- › Comprehensive oil analysis
- › Lifecycle report with status & measurement report
- › Access to Emergency support & callout
- › Technical assistance and repair service

3. Extended Care:

Extended Care provides maximum equipment availability at the minimum Total Cost of Ownership.

In addition to the activities mentioned in the Preventive care package, Extended Care includes:

- Oil analysis, refill and/or change if required
- Labor- & travel cost, spare parts for planned maintenances are included
- › Labor- & travel cost, spare parts for repairs are included
- › Remote Predictive Performance monitoring & Analysis
- › Extension of warranty

Options:

- Leak test
- Remote monitoring
- Factory inspection/refurbishment
- Specialist support and consultancy

Description	Care	Preventive Care	Extended Care
Maintenance Minichiller	on request	on request	on request
Maintenance Multi-Scroll chiller, 1 circuit, up to 2 compressors	on request	on request	on request
Maintenance Multi-Scroll chiller, 2 circuits, 2-4 compressors	on request	on request	on request
Maintenance Screw-Chiller, 1 circuit, 1 compresor	on request	on request	on request
Maintenance Screw-Chiller, 2 circuits, 2 compressors	on request	on request	on request
Maintenance Screw-Chiller, 3 circuits, 3 compressors	on request	on request	on request
Maintenance Screw-Chiller, 4 circuits, 4 compressors	on request	on request	on request
Maintenance Centrifugal Chiller, 1 circuit, 1 compresor	on request	on request	on request
Maintenance Centrifugal Chiller, 1 circuit, 2 compressors	on request	on request	on request

Options

Description	
Factory inspection/refurbishment	On Request
Specialist support and consultancy	On Request
Major Overhaul	On Request

Description	DoS1	DoS2	DoS3
Daikin on Site (DoS) -Applied Systems (AS)	On Request	On Request	On Request
Daikin on Site (DoS) - Air Handling Units (AHU)	On Request	On Request	On Request

Service

E-Parts

Find the correct spare part for your Daikin unit, check availability (real-time) and order online.

All in just a few simple steps.

Your benefits:

- › fast handling
- › free shipment
- › 24/7 accessibility
- › flexible delivery
- › "real time" availability

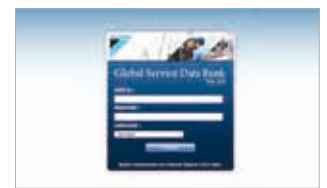
Register now to use the E-Parts service

- Create access for you and your colleagues.
- Simply go to my.daikin.eu
 - download the registration form
 - fill it in
 - and email it back to your local Daikin office

Always accessible for you

You can find the links to E-Parts and to the spareparts bank on our Business Portal:

<http://eparts.daikin-ce.com>
<https://my.daikin.eu>



Service Academy

The Daikin Service Academy offers individual learning paths covering all service cases for Daikin products. Our goal is to help you delivering better Service on site and therefore grow your business.

Goals & Objectives

With the Daikin Service Academy we want to offer a uniform European learning program for service technicians (internal & external) to become the best of the best.

- › Ensure that our partners have skilled labour available
- › Enable and deliver high quality Service to our end users
- › Enhance performance and efficiency, using less time for service interventions
- › Improve quality and hence customer satisfaction on site
- › Foster career paths to keep service technicians in the HVAC-R industry
- › Offer trainings in local language wherever possible

Our training packages cover following areas:

- › Installation & Pre-Commissioning
- › Commissioning
- › Maintenance
- › Troubleshooting & Repair
- › Application & Design



Want to know more?

Please contact us for more information about the Daikin Academy Central Europe: academy@daikin-ce.com

Remote Monitoring Services

The latest technology matched with superb service to improve the efficiency and reliability of your HVAC-R installation.

Connected air conditioning works smarter. We offer several ways to manage your products and installations remotely. From performance monitoring to predictive logic and analyses and more, our Intelligent Network is a cost-efficient way to increase the security, uptime and reliability of your installation.



Analytics

Data is our raw material, and data analytics is our product. The continuous monitoring and analysis of a system's operating data is not only the key to ensuring efficient operation, cutting operating and maintenance costs and optimizing user comfort. Data analysis also provides further valuable and often surprising insights.

Hassle-free connection

We know that connecting a system to the cloud can often be a real challenge – but that's no longer your problem. We'll take care of the connection, including the mobile network and the router, both of which are remotely monitored to maximize infrastructure reliability.

Daikin Cloud Service

Our web-based service provides reliable and secure remote monitoring. Our top priority is to earn your trust. Daikin Cloud Service meets the highest security standards in all respects – safeguarding your data privacy as well as transporting and storing your data securely at all times.

The benefits of remote monitoring

Remote control

Daikin Cloud Service is a web-based remote monitoring and control solution for HVAC systems that can even manage the energy consumption of several buildings at once. There's no need to install any special software. Everything is accessible using a standard browser, whether via a computer or a mobile device.

No potential problem goes unnoticed

What's more, Daikin Cloud Service provides automatic notification if it detects a possible malfunction. This unique predictive notification feature enables service measures to be initiated even before the user notices that a problem has arisen – thus maximizing reliability and minimizing service costs.

Maximum performance

The performance of even the best system can be impaired if it is not properly operated. Continuous monitoring allows load profiles, usage patterns and operating conditions to be closely followed. The data obtained is the basis for optimizing a system's operation and maintenance as well as its return on investment.



Real case

Real life examples, how continuous monitoring and data analysis could be useful:



-20%

Lower VRV consumption

Thanks to analysis of the VRV systems energy consumption data, we could provide the recommendation, how to change the usage pattern. The result was 20% reduction of electricity costs for cooling and about 15% in heating.



30%

Higher outlet temperature

Thanks to operation data analysis, we identified the possible comfort issues. Following operation assessment provided the base for taking the countermeasures to increase their comfort.



40%

Spare refrigeration capacity

Long term monitoring of the Conveni pack, identified that the client has a 40% spare refrigeration capacity. This allowed to reduce the number of installed devices and thus save the investment costs.



-20%

Lower investment costs

Operation data analysis of the old VRV system confirmed, that the replacement capacity and system layout could be optimized. This allowed to decrease investment costs of the replacement system and to resolve comfort issues.

Commercial terms and conditions

(Last update: Jan 2019)

These commercial terms and conditions (hereinafter 'Terms') shall apply to all of our offers, deliveries and services to companies (B2B) in Slovenia. Part I shall apply to deliveries of goods. Part II shall apply to services by our customer service. Any individual agreements deviating from these Terms shall be valid only if confirmed by us in writing and duly signed. Any informal statements are invalid. Any commercial terms and conditions of the ordering party shall not be applicable. Acceptance of the goods is in any event deemed to constitute acknowledgment of our Terms. Our customer services to consumers (B2C) shall be subject to separate commercial terms and conditions. Our commercial terms and conditions can be found at www.daikin-ce.com.

I. COMMERCIAL TERMS AND CONDITIONS FOR DELIVERIES OF GOODS

1. OFFER

Our offers are without engagement and non-binding. Any representation of models and any information about dimensions, weights and technical data are non-binding and subject to production-related and model-related changes. Such changes shall not constitute a defect.

2. PLACING OF AN ORDER, CHANGE OF THE DELIVERABLE

- Orders must be placed in writing (by letter, fax or email or online ordering system). When Daikin confirms receipt of the order, this does not constitute an acceptance of the order. We are deemed to have accepted an order not until after we have explicitly confirmed acceptance in writing or actually executed that order. Any arrangement and agreement reached verbally and by phone must be confirmed in writing.
- We reserve the right to rescind the contract even after having accepted an order if information we have obtained about the customer's liquidity in the meantime suggests that the customer will not be able to pay for the entire or for part of the order.
- Having accepted an order, we also reserve the right to change and improve the deliverable, e.g. in respect of its type and design, to the extent the customer can be reasonably expected to accept such changes and improvements in consideration of our interests (e.g. delivery of an equivalent or more sophisticated device). Such changes and improvements are deemed approved in advance.
- The customer's cancellation or change of an entire or of part of an order requires our written consent and entitles us to charge the customer - in addition to the services already provided and costs accrued - a (cancellation) fee equal to 20 % of the order value and at least € 250. For certain product groups, which are manufactured on the basis of a specific order, (e.g. multiple scroll, screw chiller, AHU etc), separate cancellation rules apply, which can be found at www.daikin-ce.com.

3. PRICES AND TERMS OF PAYMENT

- Prices are based on the price list, as amended from time to time, which is usually issued once a year. We reserve the right to change prices also during the year.
- Prices are understood to be net prices without any taxes, duties or charges in the quoted currency including packaging, unless otherwise indicated. We will not take back packaging and packing material.
- We will not accept any objections to invoices which are received more than two weeks after receipt of an invoice. Unless otherwise indicated, invoices are due net 30 days from the invoice date; the payment date is the date on which a payment is received by us. In case of late payment, we will charge default interest at a rate of 12% p.a. In case of default, we may also demand all costs related to the collection of our claim, including, without limitation, dunning and collection charges.
- If payment by instalments has been agreed, the maturity date will be accelerated if the customer is in default in respect of only one instalment.
- We may make deliveries dependent on advance payment.
- The customer may not withhold or offset payments in reliance on warranty or other claims.

4. DELIVERY TIME

- Indicated delivery times are non-binding and for reference only, although we endeavour to meet indicated deadlines. The customer has no right to insist on compliance with a certain delivery time. As a consequence, delays in delivery will not entail any claims for damages and do not entitle the customer to rescind the contract. The same holds true if delivery deadlines are not met due to force majeure, strike or other events outside our control.
- We will not accept penalty claims asserted by the customer under any circumstances.
- Partial deliveries are permitted.
- If the ordering party is in arrears on an earlier delivery, Daikin may withhold deliveries pending payment of the earlier delivery and is not required to pay to the ordering party any damages in this respect.

5. ACCEPTANCE OF DELIVERIES, TRANSFER OF RISK, DELAYED ACCEPTANCE

- Unless otherwise agreed, deliveries are made CIP (Incoterms 2010) to the named destination.
- In principle, delivery CIP covers only minimum transport insurance. Additional transport insurance will be purchased only if explicitly requested by customer and subject to a separate agreement and at the customer's cost and expense.
- The customer must immediately check deliverables received by him or directly by his customers for any transport damage and he must record any damage to the packaging or the device in the delivery note and shall refuse delivery towards the forwarding agent. If the customer finds out only later that goods are damaged, the customer shall report any such damage to us immediately, in no case later than three working days after delivery; otherwise, any insurance claim may expire.
- If the customer is in delay with acceptance, we - notwithstanding our other rights - may charge the goods as delivered or may otherwise dispose of them without setting a time limit. If we otherwise dispose of the goods, the delivery time will recommence on the day we receive the customer's written request calling for delivery of the goods.
- We may charge the customer for any costs incurred due to late acceptance, including, without limitation, any storage costs, waiting periods, etc..

6. RESERVATION OF TITLE

- We will retain title to goods delivered pending full payment of all claims arising from our business relationship with the customer, even if the purchase price for specifically designated claims was paid. If our conditional goods are processed, we will acquire title to the new item without consideration. If the goods delivered by us are mixed, processed or combined with other items, the customer hereby assigns to us in proportion of the value of our invoices an ownership or co-ownership right of the combined or new item, both in

respect of the interim and the final products.

- The customer may resell goods delivered by us and the items created by processing, mixing or combining these only in the ordinary course of business. The customer hereby assigns to us any claims arising from such resale or from any other legal ground toward third parties, including, ancillary rights, in order to secure our - future - claims that may arise from our business relationship. The customer must record the assignment of these claims in his books not later than when the goods are resold.
- Before having paid the purchase price of an item, the customer may resell that item only if he simultaneously informs the second buyer (end customer) that the resale proceeds have previously been assigned.
- The customer may collect the assigned claims as long as he fulfils his payment obligations towards us according to the terms of the contract. The customer may not otherwise dispose of the conditional goods (e.g.: transfer of property by way of security, pledging).
- The customer must immediately inform us of any attachment or other impairment of the conditional goods and/or the assigned claims and explain to the third party that we have retained title to those goods. Any related cost will be borne by the customer.

7. WARRANTY

Unless otherwise agreed and excluding any further claims, we warrant for any defects and the absence of warranted qualities of the goods at the time of delivery as follows:

- Unless otherwise indicated below, the warranty period is 36 months of the delivery date (delivery to the forwarding agent). The customer bears the burden of proof that a defect had existed already at the time of delivery.
- The customer may assert a warranty claim only if the equipment is both installed and put into operation by Daikin or a company trained and authorized by Daikin according to the Daikin installation instructions and regularly maintained according to the Daikin service notes and/or operation instructions.
- No warranty and/or liability is accepted, unless the customer reports visible defects by giving written notice within 3 working days of delivery and any other defects are reported without delay after initial discovery.
- For Products qualified to be registered in our Stand By Me system, like Split systems and Altherma Heat Pumps, the warranty period is only 24 month after the commissioning date but maximum 30 month after the delivery date (whichever applies first).
- Unless specifically agreed, Goods branded as "Daikin Applied Systems", "Zanotti", "J&E Hall International for Daikin", "Tewis", "Hubbard", "Dadanko" among others, which are typically manufactured on the basis of a specific order, such as chillers, applied heat pumps, condensing units (equipped with scroll, screw or centrifugal compressor), Air handling units (AHU), refrigeration condensing units and Marine units include a 12-month warranty period, provided that the machine was put into operation by Daikin itself or by a company & person certified by Daikin. Goods branded as "Luve" and "Guntner" such as air-coolers, evaporators, condensers and related options and accessories generally include a 24 month warranty period.
- For "Rotex" branded products generally a 24-month warranty period is valid except for following variations: 10 years for underfloor heating pipes and system plants, VA-piping and variosafe oil storage tanks. 5 years for solar panels, variosystem and highcube oil tanks and variocistern rainwater tanks. 3 years for hot water storage tanks HYC, SCS and SC.
- In a warranty event, we undertake, at our discretion, to repair the defective goods or components or to make available faultless goods or components. There are no other warranty remedies or claims whatsoever. Labour cost, travel times, supplies, such as, refrigerant, freezing agents, glycol and lubricants, or other costs (e.g. for installation, retrofitting) will not be reimbursed.
- Daikin, at its own discretion, can provide software and/or Hardware updates from time to time. Updates may include error corrections, improvements as well as upgrades and enhancements. Updates are provided to the customer in machine-readable and installable form, including installation instructions. The customer is required to install updates at his own cost and expense within a reasonable period of time. Any damage caused by a failure to install updates shall be the customer's sole responsibility, and Daikin does not accept any liability nor warranty due to the failure to update a unit.
- In addition to paragraphs 2 to 3, no warranty and/or liability is accepted for defects that have been caused by inadequate or improper use or treatment, failure to observe operating conditions or maintenance instructions, excessive use or inadequate operating materials or substitute materials or spare parts not provided by Daikin. In addition, no warranty is accepted for usual wear and tear of wearing parts, including, but not limited to, filters, burner nozzles, carbon brushes of engines, couplings, electrodes, protection anodes, UV probes, grids, oil or other consumables.
- Unless we are granted the required time and opportunity to take all necessary warranty measures, we are released from any warranty claims and damages. If the customer continues to use defective goods, we warrant and/or are liable only for the original defect. We will not reimburse any cost of repairs which are carried out without our express prior consent. We disclaim any liability for the consequences of such repairs.
- The warranty period for spare parts and other improvements is 6 months after delivery (delivery to the forwarding agent).
- If a defect is remedied, the warranty period will not recommence for the replaced or repaired components.
- We may refuse to remedy defects as long as the customer is in default with his payment obligations.
- If third-party products are delivered and installed, warranty is restricted to assigning the warranty claims we may assert against the supplier of the third-party product. The customer may not assert any other warranty claims and does not qualify for any claims for a price reduction.
- Daikin may request that parts claimed in Warranty Claims as malfunctioning be provided for detailed investigation, this includes broken, defective or assumed damaged goods, parts or systems. In cases where the investigation reveals the warranty claim is unfounded and the warranty is rejected (e.g. part was damaged by external factors, lack of maintenance, part is working properly, etc.) investigation and/or shipment fees may apply.

8. LIABILITY

We are liable for damage only if we demonstrably acted with intent or gross negligence. We disclaim any liability for slight negligence. We are particularly not liable for consequential damage (e.g. idle times due to wrong deliveries) and financial loss, lost profit, unachieved savings, loss of interest and any damage suffered from third-party claims against the

customer, unless the foregoing is attributable to our intent or gross negligence. If damage is attributable to the defective condition of goods delivered to us, we are liable only to the extent the producer or upstream supplier is liable to us. Our liability does in any case not exceed the invoice value of the incriminated goods.

9. RETURNED GOODS

1. Goods can be returned and exchanged only upon our express and written consent. We accept returned goods only with a minimum net value of € 100.00 per item and a maximum net value of € 50,000.00 per item and only provided that those goods are not damaged, have not been used, are in original packaging and are fit for resale. In particular, returns of already installed units (including chillers) and returns of any made to order units as well as spare parts are not permitted.
2. The customer shall complete the "Request for Goods Return" form (available at the Daikin Business Portal <https://my.daikin.eu>) and send it to us to the fax number or email address provided by us within 10 calendar days after delivery, otherwise we will not accept the return.
3. Goods must be returned freight paid at the risk of customer to the destination indicated by us.
4. In every case of a return, a maximum of 80% of the net price charged by us to the customer will be credited. All standard returns will be subject to a restocking / administration charge of 20% of the net price.
5. All returns will be inspected by us. If goods are returned wrongly (i.e. not in compliance with paragraph 1. Above), we may refuse the returns and have them returned back to the customer at the customer's risk and costs. Alternatively, we may charge a higher restocking / administration fee than the above mentioned 20%.
6. Credit notes of any nature whatsoever will exclusively be offset against future deliveries.

10. INSTALLATION

It is the responsibility of the customer to install and commission the goods and to ensure its employees, agents and subcontractors or any other persons used by the customer to install and commission the goods are fully trained to do so and that the terms of any instructions or manuals provided with the goods are followed.

11. ENVIRONMENT, LICENCES

1. The customer shall be responsible for all costs, charges, and expenses arising from or in connection with the decommissioning, recovery, recycling and disposal of all or part of the goods and shall not seek to recover such expenses or contribution from us.
2. The customer is responsible for obtaining and complying with all relevant licenses, permissions, permits and consents from appropriate regulatory bodies and for complying with any other lawful authority in connection with the storage, installation, operation, use, maintenance, repair, transportation, decommissioning, recovery and eventual disposal of the goods.
3. Where the customer sells all or part of the goods to another party, the customer may enter into a similar covenant with that party.

12. CONFIDENTIALITY

1. All information and/or advice, whether written or oral, whether in relation to the goods or to our business, given by us to the customer, shall not be disclosed to any third party without our prior written consent, save to the extent that such information and/or advice is in the public domain otherwise than by virtue of a breach of this condition or that the disclosure is required by law.
2. The customer shall promptly give notice to us of any disclosure required by law and we may seek an appropriate remedy to prevent such disclosure. The customer undertakes to fully co-operate with us (at the customer's own expense) if we reject the validity of such a requirement.

13. INTELLECTUAL PROPERTY RIGHTS

1. The customer shall have no rights to any intellectual property owned by or licensed to us.
2. The customer shall not allow any trademark or instruction or warning applied to the goods to be obliterated or obscured.
3. All designs, samples, models, experimental equipment, marketing devices, accessories and other items relating to the goods or their development or creation shall remain our property, shall be treated as confidential and shall not be copied, reproduced or disclosed to any person without our prior written consent.

14. PERSONAL DATA

1. The customer's personal data, which we received on the occasion of an order, will be electronically stored and processed for the purposes of fulfilling the order, providing goods and services to the customer, managing the relationship with the customer, for our internal accounting and processes and for legal or regulatory purposes. For some of these purposes we may need to share the customer's data with third parties but we always ensure that the data are kept confidential and protected by third parties.
2. The customer agrees that we may ask credit reference agencies and/or credit insurance or collection companies to run credit searches or checks against the customer in order to assess the customer's financial performance and that we may pass on the customer information (name, address, contact details, name of owner, order details, order history, payment behavior, customer balance) to companies such as Atradius Credit Insurance N.V., Zweigniederlassung Österreich, CRIF GmbH, Österreich, Akzeptia Inkasso GmbH or others for this purpose.
3. The customer further agrees that we and other members of our group (as mentioned at www.daikin.com) may use the customer's personal data (name, address, contact details, order details and history) also for our own marketing purposes and contact the customer by phone, e-mail or SMS or other messaging service about our products and services which may be of interest to the customer. The customer may revoke his consent at any time. For details and specific applications refer to our b2b & b2c privacy policy which can be found at www.daikin-ce.com.

15. PLACE OF JURISDICTION, APPLICABLE LAW

1. All disputes arising from or in connection with this Agreement shall be exclusively referred to the courts in Vienna.
2. All contracts concluded by us and all disputes arising in connection with those contracts shall be governed by and construed in accordance with Austrian law without giving effect to its conflict of law rules and the UN Sales Convention.

16. SEVERABILITY

Should any term of these commercial terms and conditions or of the contract concluded between us and the customer be invalid or ineffective, this shall not affect the remaining terms hereof or thereof. Invalid terms shall be replaced by lawful terms which closest reflect the parties' intent.

II. COMMERCIAL TERMS AND CONDITIONS FOR SERVICES

The following conditions shall apply to services provided by our customer service, such as installation, putting into operation, inspection and troubleshooting, repair and maintenance.

1. SCOPE OF SERVICES

1. The precise scope of service results from our written offer or our written confirmation of order. Any additional services not expressly indicated in the offer and/or the confirmation of order and provided by us on the customer's request will be charged separately pursuant to our applicable price list. The same shall apply if an on-site inspection provides that further services are required.
2. In case of remote monitoring units, our customer service will take action only if instructed by the customer or that such action is agreed upfront in writing.
3. We provide services only for the equipment and unit components delivered and/or produced by us. The scope of services therefore does not include a test of third-party components, a leak test of supply pipes created by the customer, a test of electric supply and/or connection lines, a hydraulic adjustment of the unit. In case of units consisting of third components, our services do not include an inspection of the entire unit. We will in particular not check whether the unit is complete and whether its safety devices are consistent with pertinent regulations and the state of the art.
4. We are not required to check whether information provided and documents (e.g. descriptions of units, schemes) supplied by the customer are correct.

2. COST ESTIMATES

1. Cost estimates are non-binding and without engagement.
2. If we provided a cost estimate or a package offer, we will obtain prior consent by the customer in respect of any necessary additional work that can only be identified upon execution, is required to create operability and exceeds 10% of the sum total.

3. DUTIES TO COOPERATE

1. The customer shall ensure that any cooperation required for the provision of services owed by us is granted timely and free of charge.
2. The customer shall in particular grant access to the units as required. The customer shall provide at the customer's own cost and expense all necessary technical requirements (e.g. power supply), unless such requirements are to be provided by us under a special agreement. The customer shall ensure that the respective operating site is sufficiently lit. If required, the customer shall provide ladders and scaffolding to enable our employees to easily access the site safely. The operating site must be easily accessible with a customer service vehicle.
3. The customer shall provide all necessary information and documents to enable a smooth provision of the agreed services. Before the provision of services commences, the customer shall in particular disclose any change made by the customer or third parties to standard settings, the control system and other parameters as well as any damage to the unit the customer is aware of.
4. When a unit is put into operation, the customer shall also provide the requirements referred to in our related conditions.
5. If the customer does not properly cooperate, we may discontinue our work. In addition, the customer shall bear all related extra costs, including idle times of our employees who cannot be used otherwise on short notice, as well as any costs for additional travel time, based on the applicable prices of our price list.

4. PRICES AND TERMS OF PAYMENT

1. Prices for services are based on the service price list applicable when an order is placed, unless our written offer provides otherwise.
2. Services will generally be charged based on time actually spent at the agreed hourly rates plus travel expenses based on flat fees or time actually spent (km and time).
3. Our regular service hours are from Mon-Fri from 08.30 to 16.30. A 50% surcharge on regular compensation will be charged outside such service times. A 100% surcharge on compensation will be charged for work provided on Sundays, public holidays and from 20.00 to 07.00.
4. Spare parts will be charged on the basis of the price list applicable on the date of replacement of a unit component. We shall retain title to spare parts pending full payment of an invoice.
5. Invoices will be issued after performance of service, or upon mutual written agreement.
6. If an order is cancelled by the customer, or the site/unit is inaccessible or unavailable the customer will be charged 50% of the order value plus travel expenses, but at least EUR 250.00.
7. Unless otherwise indicated, invoices shall be due and payable without deduction immediately after invoicing.
8. Otherwise, Section 3 (Prices and Terms of Payment) of our terms and conditions of sale shall apply mutatis mutandis.

5. WARRANTY

1. We warrant for the diligent, professional provision of services. All services will be provided by qualified personal.
2. No warranty is accepted, unless the customer gives written notice of visible defects within 3 working days of performance of the service and of any other defects without delay after initial discovery.
3. Otherwise, Section 7 (Warranty) of our terms and conditions of sale shall apply mutatis mutandis.

6. MISCELLANEOUS

Unless otherwise provided herein, the provisions of our terms and conditions of sale, especially those concerning delivery times, reservation of title, liability, environment and licenses, personal data, jurisdiction and applicable law shall apply to services mutatis mutandis.

The Daikin Commercial terms and conditions are also available in the internet at www.daikin.si/t&c

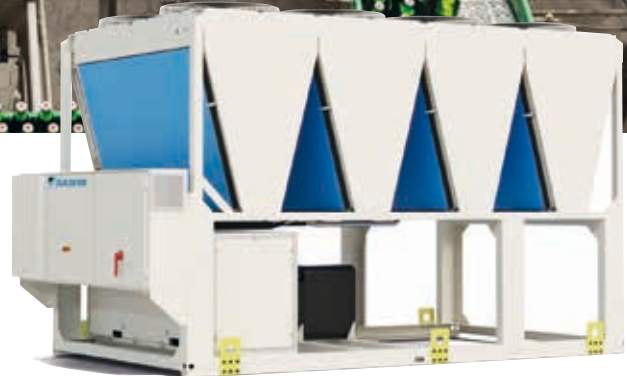
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campus 21, Europaring F12/402, A-2345 Brunn am Gebirge · Tel.: +43 / 2236 / 32557 · Fax: +43 / 2236 / 32557-910 · e-mail: office@daikin.si · www.daikin.si



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