



Pricelist 2018-2019 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					3
NEW Air cooled mini inverter chiller	R-410A	Swing	EWAQ-A & EWAQ-B	4-13 kW	4
NEW Air cooled mini inverter heat pump	R-410A	Swing	EWYQ-A & EWYQ-B	4-13 kW	5
NEW Air cooled scroll inverter chiller	R-410A	Scroll	EWAQ-CW	17-75 kW	6
NEW Air cooled scroll inverter heat pump	R-410A	Scroll	EWYQ-CW	17-75 kW	7
NEW Air cooled scroll inverter heat pump - split version	R-410A	Scroll	SEHVX-BW & SERHQ-BW1	17-63 kW	8
Hydronic connection examples					9
Product description - New air cooled chiller					11
Air cooled chiller - standard efficiency - standard noise	R-410A	Scroll	EWAQ-G-SS	74-154 kW	12
Air cooled chiller - standard efficiency - reduced noise	R-410A	Scroll	EWAQ-G-SR	70-143 kW	13
Air cooled chiller - high efficiency - standard noise	R-410A	Scroll	EWAQ-G-XS	79-149 kW	14
Air cooled chiller - high efficiency - reduced noise	R-410A	Scroll	EWAQ-G-XR	76-141 kW	15
Air cooled heat pump - high efficiency - standard noise	R-410A	Scroll	EWYQ-G-XS	77-165 kW	16
Air cooled heat pump - high efficiency - reduced noise	R-410A	Scroll	EWYQ-G-XR	75-155 kW	17
NEW Water cooled chiller	R-410A	Scroll	EWWQ-KBW1N	13-62 kW	18
NEW Water cooled chiller	R-410A	Scroll	EWWQ-KBW1M	94-184 kW	19
Product description- NEW water cooled chiller					20
Water cooled chiller - standard efficiency - one refrigerant circuit	R-410A	Scroll	EWWQ-G-SS	93-370 kW	21
Water cooled heat pump - standard efficiency	R-410A	Scroll	EWHQ-G-SS	87-352 kW	22
Water cooled chiller - standard efficiency - two refrigerant circuits	R-410A	Scroll	EWWQ-L-SS	187-345 kW	23
NEW Condenserless chiller	R-410A	Scroll	EWLQ-KBW1N	13-64 kW	24
Condenserless chiller - standard efficiency - one refrigerant circuit	R-410A	Scroll	EWLQ-G-SS	86-346 kW	25
Condenserless chiller - standard efficiency - two refrigerant circuits	R-410A	Scroll	EWLQ-L-SS	173-317 kw	26
NEW intelligent Chiller Manager - iCM					27
Fan coil					
Low ESP duct			FWE-C	2,1 - 10 kW	28
Medium ESP duct			FWB-B	2,3 - 7,6 kW	29
Medium ESP duct / BLDC			FWP-A	2,3 - 5,8 kW	31
Medium ESP duct / BLDC			FWN-A	3,9 - 8,7 kW	32
High ESP flexi duct			FWD-A	3,9 - 18 kW	34
Cassette 600x600			FWF-C	2,5 - 4,5 kW	36
Wall mounted			FWT-C	2,4 - 5,3 kW	36
Cassette 900x900			FWG- A	5,9-11,7 kW	37
Cassette 600x600			FWF-B	2 - 5,2 kW	38
Cassette 900x900			FWC-B	5- 8,7 kW	38
Floor standing			FWV-D	1,5 - 8 kW	41
Flexi type			FWL-D	1,5 - 8 kW	42
Flexi concealed			FWM-D	1,5 - 8 kW	43
Floor standing / BLDC			FWZ-A	2,6 - 10 kW	48
Flexi type / BLDC			FWR-A	2,6 - 10 kW	49
Flexi concealed / BLDC			FWS-A	2,6 - 10 kW	50
Condensing unit heat pump Inverter	R-410A	Scroll	ERQ	11-28 kW	54
Pre-sized fresh air solution			ADT-FDI		55
Air Handling Units - AHU					56
NEW Modular L - AHU			ALB-R/LB	100 - 3400 m³/h	58
Overview: Air cooled chiller portfolio					60
Overview: Water cooled and condenserless unit portfolio					62
Air Cooler					64
Air Handling Unit					64
Dry Cooler & Condenser					64
Cooling Tower					64
Compressor Service					64
Measuring conditions					65
Daikin Service: Commissioning and Maintenance					66
Commercial terms and conditions					70

NOTE:

All prices are list prices, excl. VAT and valid from 1 April 2018 till 31. March 2019. All prior pricelists are not valid anymore. The Daikin Commercial Terms and Conditions apply (see last page or <http://www.daikin-ce.com/legal-notice.jsp>). We reserve the right for printing errors and model changes. The LOTI&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.eu/en_us/about/daikin-innovations/seasonal-efficiency.html

Key Information

Ecodesign Directive and Energy Labels

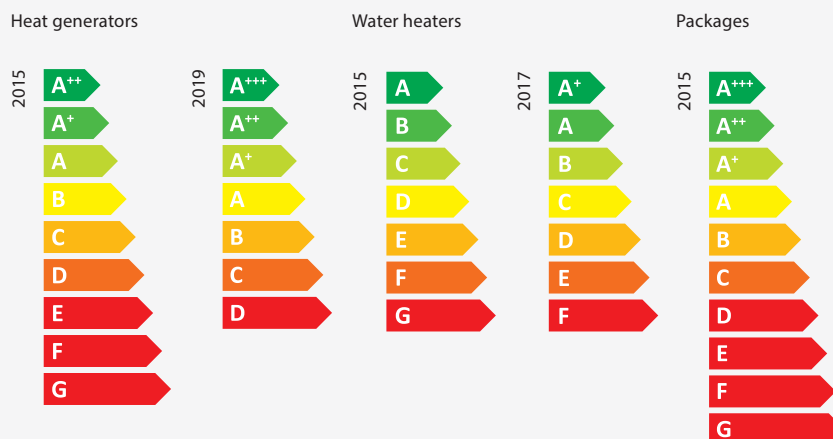
The Ecodesign Directive defines the minimum standards for the environmental characteristics of heaters, water heaters and combi appliances. From 26 September 2015, heat generators of up to 70 kW output and tanks of up to 500 litres must be marked with a label showing their energy efficiency. This applies 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>

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



NEW	Unit size (1 phase)		EWAQ	004BVP	005BVP	006BVP	008BVP	009ACV3P	010ACV3P	011ACV3P
	Price ⁽¹⁾		HUF	797.870,-	869.682,-	932.279,-	1.030.146,-	1.167.988,-	1.236.808,-	1.328.569,-
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	HUF	102.316,-	102.316,-	101.362,-	101.362,-	172.052,-	172.052,-	172.052,-
EKRP1HBA	digital I/O PCB Additional board with operating or fault message output, fan operating message, release contact for additional heating	HUF	n/a	n/a	n/a	n/a	1.212.888,-	1.281.708,-	1.373.469,-

Unit size (3 phase)		EWAQ	009ACW1P	011ACW1P	013ACW1P
Price		HUF	1.218.456,-	1.339.712,-	1.419.019,-
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	HUF	172.052,-	172.052,-	172.052,-
EKRP1HBA	digital I/O PCB Additional board with operating or fault message output, fan operating message, release contact for additional heating	HUF	1.263.356,-	1.384.612,-	1.463.919,-

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



NEW

Unit size (1 phase)				EWYQ	004BVP	005BVP	006BVP	008BVP	009ACV3P	010ACV3P	011ACV3P
Price ⁽¹⁾				HUF	887.476,-	966.596,-	1.036.183,-	1.144.536,-	1.344.300,-	1.415.087,-	1.500.622,-
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	HUF	102.316,-	102.316,-	101.362,-	102.316,-	172.052,-	172.052,-	172.052,-
EKRP1HBA				digital I/O PCB Additional board with operating or fault message output, fan operating message, release contact for additional heating	HUF	n/a	n/a	n/a	n/a	1.389.200,-	1.459.987,-	1.545.522,-

Unit size (3 phase)				EWYQ	009ACW1P	011ACW1P	013ACW1P
Price				HUF	1.396.735,-	1.516.352,-	1.602.214,-
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	HUF	172.052,-	172.052,-	172.052,-
EKRP1HBA				digital I/O PCB Additional board with operating or fault message output, fan operating message, release contact for additional heating	HUF	1.441.635,-	1.561.252,-	1.647.114,-

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



NEW

Unit size (without pump)	EWAQ-CWN	016	021	025	032	040	050	064
Price	HUF	2.174.168,-	2.559.370,-	2.886.545,-	3.329.774,-	4.403.894,-	4.906.385,-	5.665.677,-
Unit size (with standard pump)	EWAQ-CWP	016	021	025	032	040	050	064
Price	HUF	2.408.706,-	2.800.599,-	3.132.752,-	3.648.903,-	4.740.946,-	5.251.123,-	6.022.961,-
Unit size (with high lift pump)	EWAQ-CWH	016	021	025	032	040	050	064
Price	HUF	2.501.900,-	2.893.793,-	3.225.946,-	3.775.552,-	4.872.373,-	5.383.745,-	6.155.583,-
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	HUF	176.577,-	176.657,-	176.508,-	176.816,-	222.129,-	222.093,-
OPZL	Low leaving water operation down to -10 °C	HUF	132.224,-	132.303,-	132.154,-	131.800,-	176.452,-	176.415,-

Kit								
EKRPIAHT								
	Additional board for external control, on/off device, heating /cooling switch	HUF	2.220.632,-	2.605.834,-	2.933.009,-	3.376.238,-	4.450.358,- (2 pcs)	4.952.849,- (2 pcs)
EKRUAHT								
	Additional control unit	HUF	2.241.835,-	2.627.037,-	2.954.212,-	3.397.441,-	4.471.561,-	4.974.052,-
BHGP26A1								
	Digital pressure display	HUF	2.333.849,-	2.719.051,-	3.046.226,-	3.489.455,-	4.563.575,- (2 pcs)	5.066.066,- (2 pcs)
DTA104A62								
	Additional board for demand and noise reduction	HUF	2.314.659,-	2.699.861,-	3.027.036,-	3.470.265,-	4.544.385,- (2 pcs)	5.046.876,- (2 pcs)
RTD-W								
	Modbus interface	HUF	2.295.268,-	2.680.470,-	3.007.645,-	3.450.874,-	4.524.994,-	5.027.485,-

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

NEW

Unit size (without pump)			EWYQ-CWN	016	021	025	032	040	050	064	
Price			HUF	2.500.108,-	2.943.337,-	3.319.897,-	3.828.561,-	5.063.182,-	5.640.985,-	6.515.097,-	
Unit size (with standard pump)			EWYQ-CWP	016	021	025	032	040	050	064	
Price			HUF	2.739.664,-	3.190.102,-	3.572.436,-	4.155.496,-	5.411.226,-	5.997.870,-	6.885.602,-	
Unit size (with high lift pump)			EWYQ-CWH	016	021	025	032	040	050	064	
Price			HUF	2.832.858,-	3.283.296,-	3.665.630,-	4.182.977,-	5.542.653,-	6.129.297,-	7.018.225,-	
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	η _s (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	HUF	176.339,-	176.647,-	176.763,-	176.511,-	222.189,-	222.308,-	222.030,-
OPZL	Low leaving water operation down to -10 °C	HUF	131.985,-	132.293,-	132.409,-	132.157,-	176.511,-	176.630,-	176.352,-

Kit									
 EKRP1AHT	Additional board for external control, on/off device, heating /cooling switch	HUF	2.546.572,-	2.989.801,-	3.366.361,-	3.875.025,-	5.109.646,- (2 pcs)	5.687.449,- (2 pcs)	6.561.561,- (2 pcs)
 EKRUHT	Additional control unit	HUF	2.567.775,-	3.011.004,-	3.387.564,-	3.896.228,-	5.130.849,-	5.708.652,-	6.582.764,-
 BHGP26A1	Digital pressure display	HUF	2.659.789,-	3.103.018,-	3.479.578,-	3.988.242,-	5.222.863,- (2 pcs)	5.800.666,- (2 pcs)	6.674.778,- (2 pcs)
 DTA104A62	Additional board for demand and noise reduction	HUF	2.640.599,-	3.083.828,-	3.460.388,-	3.969.052,-	5.203.673,- (2 pcs)	5.781.476,- (2 pcs)	6.655.588,- (2 pcs)
 RTD-W	Modbus interface	HUF	2.621.208,-	3.064.437,-	3.440.997,-	3.949.661,-	5.184.282,-	5.762.085,-	6.636.197,-

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

NEW

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				HUF	1.324.207,-	1.479.915,-	1.551.964,-	1.579.965,-
Outdoor unit Price per each				HUF	1.981.871,-	2.791.145,-	1.981.871,-	2.791.145,-
Unit Price per each (indoor + outdoor(s))				HUF	3.306.078,-	4.271.060,-	5.515.706,-	7.162.255,-
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	ηs (Seasonal space heating efficiency)	%	154	138	149	138
		water outlet 35°C	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	HUF	including as standard	including as standard	including as standard	including as standard
One centrifugal pump					

Kit		Design size	020	032	040	064
	Additional board for external control, on/off device, heating /cooling switch	HUF	1.370.671,-	1.526.379,-	1.598.428,- (2 pcs)	1.626.429,- (2 pcs)
	Additional board for demand and noise reduction	HUF	1.464.698,-	1.620.406,-	1.692.455,- (2 pcs)	1.720.456,- (2 pcs)
	Modbus interface	HUF	1.445.307,-	1.601.015,-	1.673.064,-	1.701.065,-
	Additional module for cascade control of up to 16 EWAQ ** devices including power supply	HUF	1.660.871,-	1.816.579,-	1.888.628,-	1.916.629,-

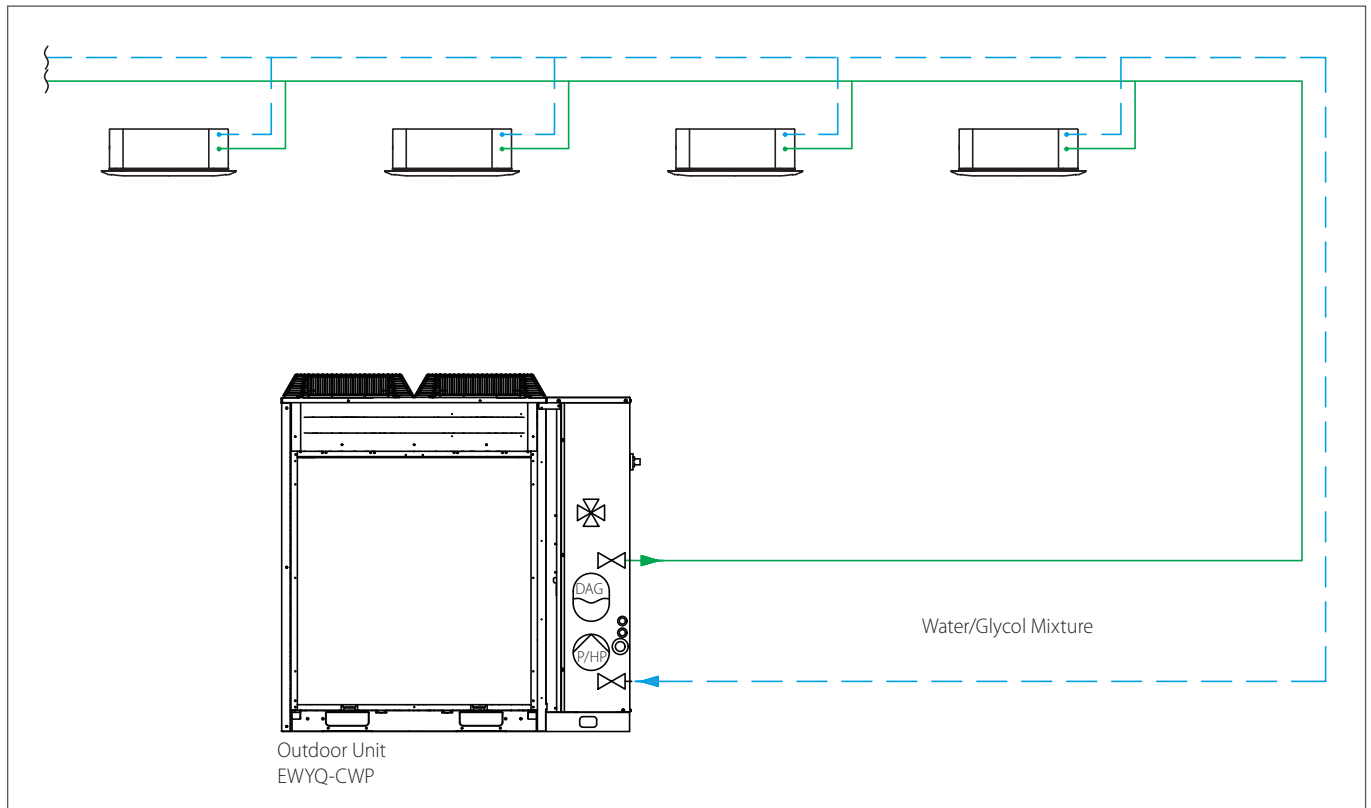
Notes:

(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

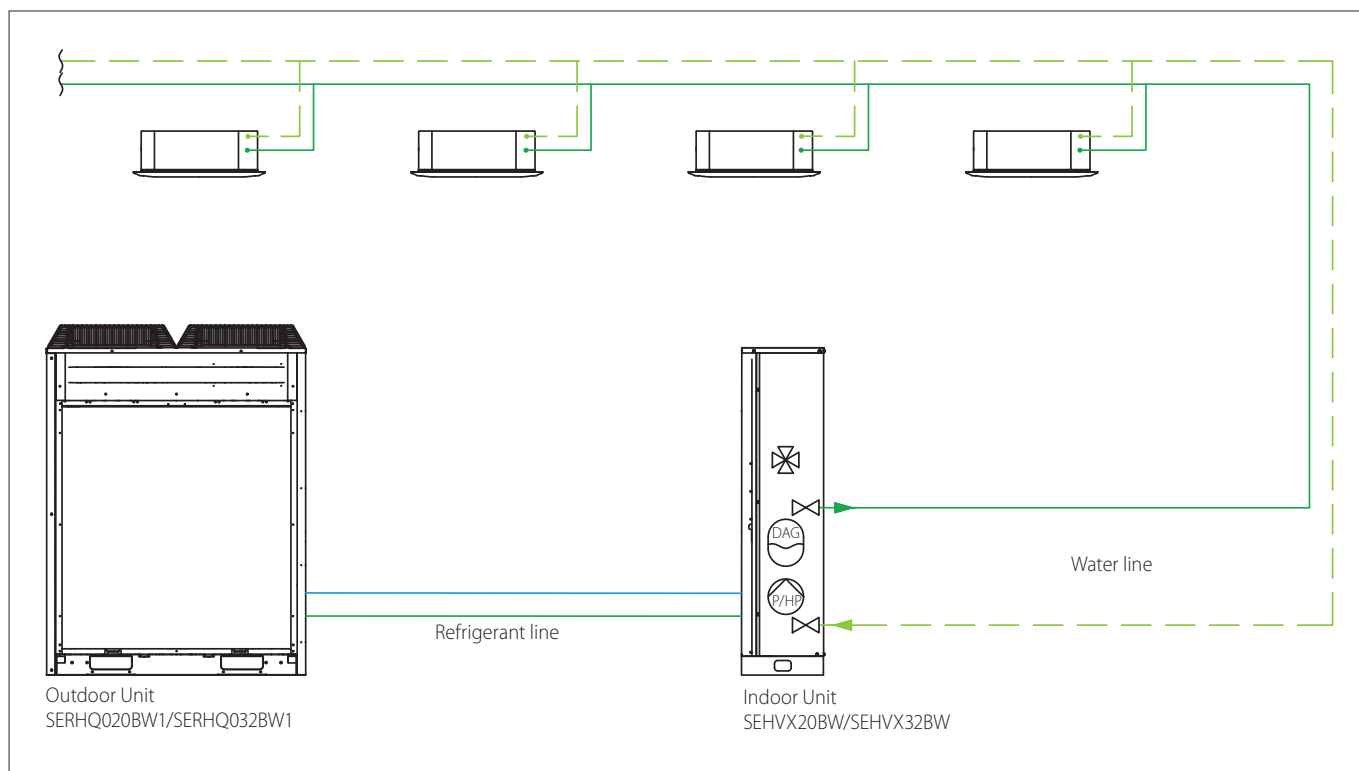
SEHVX-BW

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

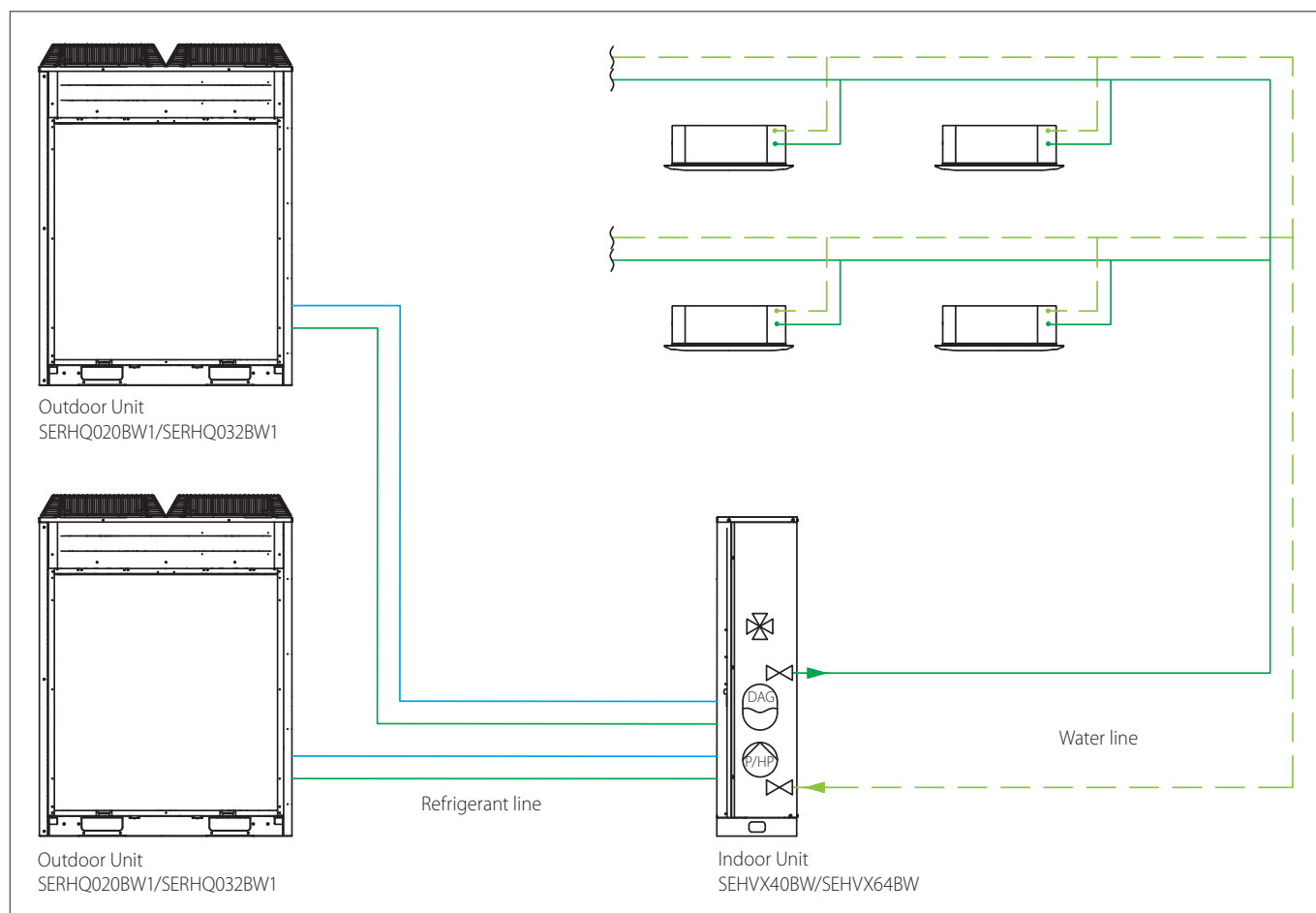
Picture 2 – outdoor unit **SERHQ020/032BW1** (size 20 or 32) with the hydronic connection to the related indoor unit SEHVX20/32BW.

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

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

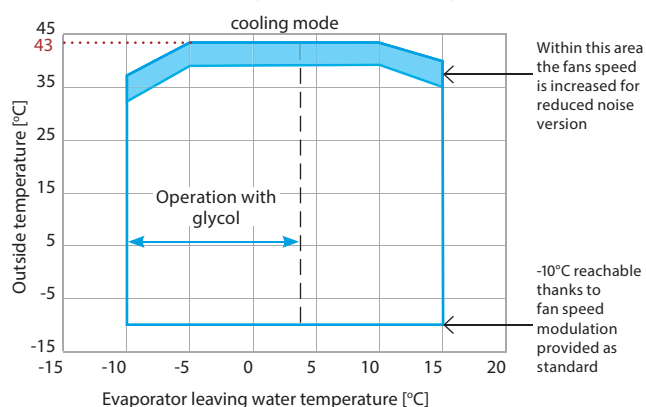


Standard equipment:

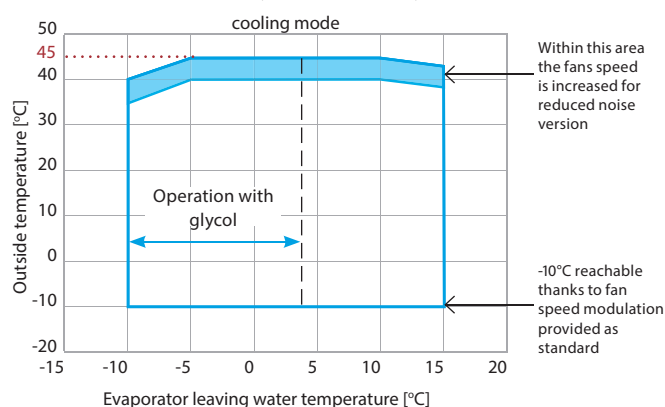
- › Main switch
- › Master/Slave Control
- › Direct start
- › Ventilator speed control (phase modulation)
- › Double setpoint value
- › Evaporator electric heater
- › Electronic expansion valve
- › Operating hours counter
- › Accumulative fault message

Operating limits, cooling only models:

EWAQ G SS/SR – cooling only, standard efficiency

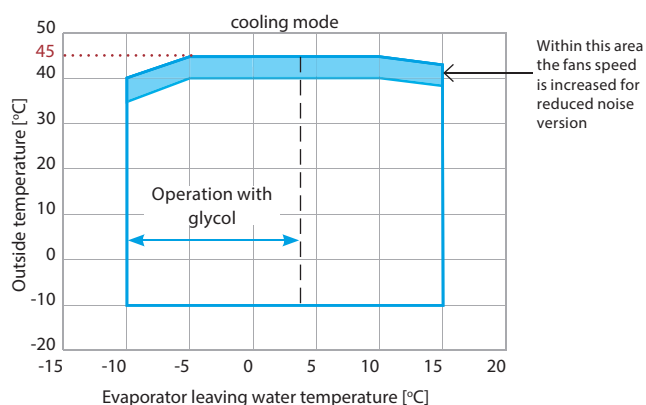


EWAQ G XS/XR – cooling only, high efficiency

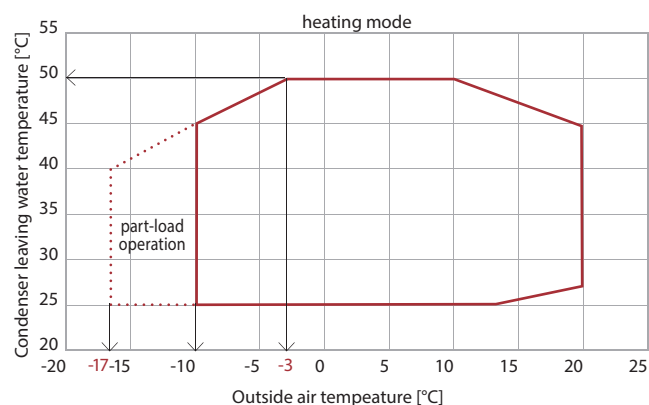


Operating limits, heat pump models:

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
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	2140	2680	2680	2680	3200	3200	3200
Width	mm	1195	1195	1195	1195	1195	1195	1195
Height	mm	1800	1800	1800	1800	1800	1800	1800
Weight of unit / Operating weight	kg	681/692	792/802	953/963	923/934	982/993	1037/1054	1066/1085
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
Price	HUF	4.796.094,-	5.184.546,-	5.678.791,-	5.882.915,-	6.183.745,-	6.945.720,-	7.413.030,-
Commissioning by DAIKIN service (net price)	HUF	98.181,-	98.181,-	98.181,-	98.181,-	98.181,-	98.181,-	98.181,-

Optional accessories for chiller:

Code	Type of unit	EWAQ -G-SS	075	085	100	110	120	140	155
Mechanical									
20	Evaporator victaulic kit	HUF	Standard						
29	20mm evaporator insulation	HUF							
01a	Total heat recovery (including expansion card pol965)	HUF	817.468,-	817.468,-	821.362,-	894.055,-	894.055,-	894.055,-	941.435,-
03	Partial heat recovery	HUF	295.638,-	295.638,-	295.638,-	301.480,-	301.480,-	352.754,-	352.754,-
08	Brine version	HUF	125.265,-	125.265,-	125.265,-	125.265,-	125.265,-	125.265,-	125.265,-
126	Discharge and suction line shut-off valve	HUF	209.316,-	209.316,-	209.316,-	209.316,-	209.316,-	209.316,-	209.316,-
127	High and low pressure side manometers	HUF	68.149,-	68.149,-	68.149,-	68.149,-	68.149,-	68.149,-	68.149,-
138	Condenser coil guard	HUF	113.583,-	125.265,-	125.265,-	125.265,-	136.299,-	136.299,-	136.299,-
78	One centrifugal pump (low lift)	HUF	576.349,-	613.994,-	613.994,-	613.994,-	641.254,-	682.143,-	682.143,-
79	One centrifugal pump (high lift)	HUF	695.772,-	750.292,-	750.292,-	750.292,-	777.552,-	777.552,-	777.552,-
80	Two centrifugal pump (low lift)	HUF	939.488,-	1.015.426,-	1.015.426,-	1.015.426,-	1.015.426,-	1.045.931,-	1.045.931,-
81	Two centrifugal pump (high lift)	HUF	1.103.696,-	1.191.640,-	1.191.640,-	1.191.640,-	1.214.357,-	1.214.357,-	1.214.357,-
134	One centrifugal pump (low lift) + tank	HUF	901.844,-	966.748,-	966.748,-	966.748,-	1.080.330,-	1.123.167,-	1.123.167,-
135	One centrifugal pump (high lift) + tank	HUF	1.021.268,-	1.103.046,-	1.103.046,-	1.103.046,-	1.218.900,-	1.218.900,-	1.218.900,-
136	Two centrifugal pump (low lift) + tank	HUF	1.439.575,-	1.505.452,-	1.505.452,-	1.505.452,-	1.523.626,-	1.546.342,-	1.546.342,-
137	Two centrifugal pump (high lift) + tank	HUF	1.558.025,-	1.644.996,-	1.644.996,-	1.644.996,-	1.667.713,-	1.667.713,-	1.667.713,-
91	Double pressure relief valve with diverter	HUF	250.206,-	250.206,-	250.206,-	250.206,-	250.206,-	250.206,-	250.206,-
139	E-coating microchannel coils	HUF	213.859,-	315.110,-	315.110,-	315.110,-	411.817,-	411.817,-	411.817,-
115	Water filter	HUF	131.107,-	131.107,-	131.107,-	131.107,-	131.107,-	131.107,-	131.107,-
Electrical / Control									
04	Direct on line starter (dol)	HUF							
10	Double setpoint	HUF							
57	Evaporator electric heater	HUF							
60	Electronic expansion valve	HUF							
67	Ambient outside temperature sensor and setpoint reset	HUF	Standard						
68	Hour run meter	HUF							
69	General fault contactor	HUF							
97	Main switch interlock door	HUF							
128	Master/Slave	HUF							
06	Soft starter	HUF	451.408,-	451.408,-	451.408,-	451.408,-	466.985,-	504.954,-	542.599,-
15a	Control expansion pack including (under / over voltage control, setpoint reset, demand limit, alarm from external device, expansion card pol965)	HUF	102.548,-	102.548,-	102.548,-	102.548,-	102.548,-	102.548,-	102.548,-
17	Capacitors for power factor correction	HUF	174.267,-	174.267,-	174.267,-	174.267,-	174.267,-	193.739,-	227.489,-
58	Evaporator flow switch	HUF	59.063,-	59.063,-	59.063,-	59.063,-	59.063,-	59.063,-	59.063,-
95	Compressors circuit breakers	HUF	79.832,-	83.078,-	86.323,-	86.323,-	86.323,-	98.005,-	109.039,-
96	Fans circuit breakers	HUF	45.433,-	45.433,-	45.433,-	45.433,-	45.433,-	45.433,-	45.433,-
Installation									
75	Rubber anti vibration mounts	HUF	103.198,-	103.198,-	103.198,-	103.198,-	103.198,-	103.198,-	103.198,-
77	Spring anti vibration mounts	HUF	324.196,-	324.196,-	324.196,-	324.196,-	324.196,-	324.196,-	324.196,-
83	External tank without cabinet (500 l)	HUF	798.970,-	798.970,-	798.970,-	798.970,-	798.970,-	798.970,-	798.970,-
84	External tank without cabinet (1000 l)	HUF	1.066.700,-	1.066.700,-	1.066.700,-	1.066.700,-	1.066.700,-	1.066.700,-	1.066.700,-
87	External tank with cabinet (500 l)	HUF	1.176.063,-	1.176.063,-	1.176.063,-	1.176.063,-	1.176.063,-	1.176.063,-	1.176.063,-
88	External tank with cabinet (1000 l)	HUF	1.506.750,-	1.506.750,-	1.506.750,-	1.506.750,-	1.506.750,-	1.506.750,-	1.506.750,-
Communication cards / Accessories									
EKCM200J	BMS card (ModBUS-RTU)	HUF	100.445,-	100.445,-	100.445,-	100.445,-	100.445,-	100.445,-	100.445,-
EKCMBA0MSTP	BMS card (BacNet/ MSTP)	HUF	120.012,-	120.012,-	120.012,-	120.012,-	120.012,-	120.012,-	120.012,-
EKCMML0N	BMS card (LonWorks)	HUF	116.751,-	116.751,-	116.751,-	116.751,-	116.751,-	116.751,-	116.751,-

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
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	2140	2680	2680	2680	3200	3200	3200
Width	mm	1195	1195	1195	1195	1195	1195	1195
Height	mm	1800	1800	1800	1800	1800	1800	1800
Weight of unit / Operating weight	kg	711/722	822/832	983/993	953/963	1012/1023	1067/1084	1096/1115
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
Price	HUF	5.132.623,-	5.548.333,-	6.077.302,-	6.295.380,-	6.616.981,-	7.432.502,-	7.932.588,-
Commissioning by DAIKIN service (net price)	HUF	98.181,-	98.181,-	98.181,-	98.181,-	98.181,-	98.181,-	98.181,-

Optional accessories for chiller:

Code	Type of unit	EWAQ-G-SR	075	085	100	110	120	140	155
Mechanical									
20	Evaporator victaulic kit	HUF	Standard						
29	20Mm evaporator insulation	HUF							
01A	Total heat recovery (including expansion card pol965)	HUF	817.468,-	817.468,-	821.362,-	894.055,-	894.055,-	894.055,-	941.435,-
03	Partial heat recovery	HUF	295.638,-	295.638,-	295.638,-	301.480,-	301.480,-	352.754,-	352.754,-
08	Brine version	HUF	125.265,-	125.265,-	125.265,-	125.265,-	125.265,-	125.265,-	125.265,-
126	Discharge and suction line shut-off valve	HUF	209.316,-	209.316,-	209.316,-	209.316,-	209.316,-	209.316,-	209.316,-
127	High and low pressure side manometers	HUF	68.149,-	68.149,-	68.149,-	68.149,-	68.149,-	68.149,-	68.149,-
138	Condenser coil guard	HUF	113.583,-	125.265,-	125.265,-	125.265,-	136.299,-	136.299,-	136.299,-
78	One centrifugal pump (low lift)	HUF	576.349,-	613.994,-	613.994,-	613.994,-	641.254,-	682.143,-	682.143,-
79	One centrifugal pump (high lift)	HUF	695.772,-	750.292,-	750.292,-	750.292,-	777.552,-	777.552,-	777.552,-
80	Two centrifugal pump (low lift)	HUF	939.488,-	1.015.426,-	1.015.426,-	1.015.426,-	1.015.426,-	1.045.931,-	1.045.931,-
81	Two centrifugal pump (high lift)	HUF	1.103.696,-	1.191.640,-	1.191.640,-	1.191.640,-	1.214.357,-	1.214.357,-	1.214.357,-
134	One centrifugal pump (low lift) + tank	HUF	901.844,-	966.748,-	966.748,-	966.748,-	1.080.330,-	1.123.167,-	1.123.167,-
135	One centrifugal pump (high lift) + tank	HUF	1.021.268,-	1.103.046,-	1.103.046,-	1.103.046,-	1.218.900,-	1.218.900,-	1.218.900,-
136	Two centrifugal pump (low lift) + tank	HUF	1.439.575,-	1.505.452,-	1.505.452,-	1.505.452,-	1.523.626,-	1.546.342,-	1.546.342,-
137	Two centrifugal pump (high lift) + tank	HUF	1.558.025,-	1.644.996,-	1.644.996,-	1.644.996,-	1.667.713,-	1.667.713,-	1.667.713,-
91	Double pressure relief valve with diverter	HUF	250.206,-	250.206,-	250.206,-	250.206,-	250.206,-	250.206,-	250.206,-
139	E-coating microchannel coils	HUF	213.859,-	315.110,-	315.110,-	315.110,-	411.817,-	411.817,-	411.817,-
115	Water filter	HUF	131.107,-	131.107,-	131.107,-	131.107,-	131.107,-	131.107,-	131.107,-
Electrical / control									
04	Direct on line starter (dol)	HUF	Standard						
10	Double setpoint	HUF							
57	Evaporator electric heater	HUF							
60	Electronic expansion valve	HUF							
67	Ambient outside temperature sensor and setpoint reset	HUF							
68	Hour run meter	HUF							
69	General fault contactor	HUF							
97	Main switch interlock door	HUF							
128	Master/Slave	HUF							
06	Soft starter	HUF	451.408,-	451.408,-	451.408,-	451.408,-	466.985,-	504.954,-	542.599,-
15A	Control expansion pack including (under / over voltage control, setpoint reset, demand limit, alarm from external device, expansion card pol965)	HUF	102.548,-	102.548,-	102.548,-	102.548,-	102.548,-	102.548,-	102.548,-
17	Capacitors for power factor correction	HUF	174.267,-	174.267,-	174.267,-	174.267,-	174.267,-	193.739,-	227.489,-
58	Evaporator flow switch	HUF	59.063,-	59.063,-	59.063,-	59.063,-	59.063,-	59.063,-	59.063,-
95	Compressors circuit breakers	HUF	79.832,-	83.078,-	86.323,-	86.323,-	86.323,-	98.005,-	109.039,-
96	Fans circuit breakers	HUF	45.433,-	45.433,-	45.433,-	45.433,-	45.433,-	45.433,-	45.433,-
Installation									
75	Rubber anti vibration mounts	HUF	103.198,-	103.198,-	103.198,-	103.198,-	103.198,-	103.198,-	103.198,-
77	Spring anti vibration mounts	HUF	324.196,-	324.196,-	324.196,-	324.196,-	324.196,-	324.196,-	324.196,-
83	External tank without cabinet (500 l)	HUF	798.970,-	798.970,-	798.970,-	798.970,-	798.970,-	798.970,-	798.970,-
84	External tank without cabinet (1000 l)	HUF	1.066.700,-	1.066.700,-	1.066.700,-	1.066.700,-	1.066.700,-	1.066.700,-	1.066.700,-
87	External tank with cabinet (500 l)	HUF	1.176.063,-	1.176.063,-	1.176.063,-	1.176.063,-	1.176.063,-	1.176.063,-	1.176.063,-
88	External tank with cabinet (1000 l)	HUF	1.506.750,-	1.506.750,-	1.506.750,-	1.506.750,-	1.506.750,-	1.506.750,-	1.506.750,-
Communication cards / Accessories									
EKC(M200)	BMS card (ModBUS-RTU)	HUF	100.445,-	100.445,-	100.445,-	100.445,-	100.445,-	100.445,-	100.445,-
EXCM(BACNETP)	BMS card (BacNet/ MSTP)	HUF	120.012,-	120.012,-	120.012,-	120.012,-	120.012,-	120.012,-	120.012,-
EKC(MLON)	BMS card (LonWorks)	HUF	116.751,-	116.751,-	116.751,-	116.751,-	116.751,-	116.751,-	116.751,-

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
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	2680	3200	3200	3200	3800	3800
Width	mm	1195	1195	1195	1195	1195	1195
Height	mm	1800	1800	1800	1800	1820	1820
Weight of unit / Operating weight	kg	734/744	850/860	1020/1035	991/1007	1086/1102	1123/1144
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
Price	HUF	5.949.766,-	6.392.412,-	6.944.422,-	7.315.674,-	7.917.661,-	8.492.062,-
Commissioning by DAIKIN service (net price)	HUF	98.181,-	98.181,-	98.181,-	98.181,-	98.181,-	98.181,-

Optional accessories for chiller:

Code	Type of unit	EWAQ-G-XS	080	090	105	115	130	150
Mechanical								
20	Evaporator victaulic kit	HUF	Standard					
29	20Mm evaporator insulation	HUF						
01a	Total heat recovery (including expansion card pol965)	HUF	817.468,-	817.468,-	821.362,-	894.055,-	894.055,-	894.055,-
03	Partial heat recovery	HUF	295.638,-	295.638,-	295.638,-	301.480,-	301.480,-	352.754,-
08	Brine version	HUF	125.265,-	125.265,-	125.265,-	125.265,-	125.265,-	125.265,-
126	Discharge and suction line shut-off valve	HUF	209.316,-	209.316,-	209.316,-	209.316,-	209.316,-	209.316,-
127	High and low pressure side manometers	HUF	68.149,-	68.149,-	68.149,-	68.149,-	68.149,-	68.149,-
138	Condenser coil guard	HUF	125.265,-	136.299,-	136.299,-	136.299,-	171.022,-	171.022,-
78	One centrifugal pump (low lift)	HUF	613.994,-	641.254,-	641.254,-	641.254,-	709.403,-	709.403,-
79	One centrifugal pump (high lift)	HUF	750.292,-	777.552,-	777.552,-	777.552,-	827.852,-	827.852,-
80	Two centrifugal pump (low lift)	HUF	1.015.426,-	1.015.426,-	1.015.426,-	1.015.426,-	1.086.820,-	1.086.820,-
81	Two centrifugal pump (high lift)	HUF	1.191.640,-	1.214.357,-	1.214.357,-	1.214.357,-	1.248.757,-	1.248.757,-
134	One centrifugal pump (low lift) + tank	HUF	966.748,-	1.080.330,-	1.080.330,-	1.080.330,-	1.148.804,-	1.148.804,-
135	One centrifugal pump (high lift) + tank	HUF	1.103.046,-	1.218.900,-	1.218.900,-	1.218.900,-	1.268.877,-	1.268.877,-
136	Two centrifugal pump (low lift) + tank	HUF	1.505.452,-	1.523.626,-	1.523.626,-	1.523.626,-	1.576.198,-	1.576.198,-
137	Two centrifugal pump (high lift) + tank	HUF	1.644.996,-	1.667.713,-	1.667.713,-	1.667.713,-	1.694.323,-	1.717.040,-
91	Double pressure relief valve with diverter	HUF	250.206,-	250.206,-	250.206,-	250.206,-	250.206,-	250.206,-
139	E-coating microchannel coils	HUF	315.110,-	411.817,-	411.817,-	411.817,-	523.128,-	523.128,-
115	Water filter	HUF	131.107,-	131.107,-	131.107,-	131.107,-	131.107,-	131.107,-
Electrical / Control								
04	Direct on line starter (dol)	HUF						
10	Double setpoint	HUF						
57	Evaporator electric heater	HUF						
60	Electronic expansion valve	HUF						
67	Ambient outside temperature sensor and setpoint reset	HUF	Standard					
68	Hour run meter	HUF						
69	General fault contactor	HUF						
97	Main switch interlock door	HUF						
128	Master/Slave	HUF						
06	Soft starter	HUF	451.408,-	451.408,-	451.408,-	451.408,-	466.985,-	504.954,-
15a	Control expansion pack including (under / over voltage control, setpoint reset, demand limit, alarm from external device, expansion card pol965)	HUF	102.548,-	102.548,-	102.548,-	102.548,-	102.548,-	102.548,-
17	Capacitors for power factor correction	HUF	174.267,-	174.267,-	174.267,-	174.267,-	174.267,-	193.739,-
58	Evaporator flow switch	HUF	59.063,-	59.063,-	59.063,-	59.063,-	59.063,-	59.063,-
95	Compressors circuit breakers	HUF	79.832,-	83.078,-	86.323,-	86.323,-	86.323,-	98.005,-
96	Fans circuit breakers	HUF	45.433,-	45.433,-	45.433,-	45.433,-	45.433,-	45.433,-
Installation								
75	Rubber anti vibration mounts	HUF	103.198,-	103.198,-	103.198,-	103.198,-	103.198,-	103.198,-
77	Spring anti vibration mounts	HUF	324.196,-	324.196,-	324.196,-	324.196,-	324.196,-	324.196,-
83	External tank without cabinet (500 l)	HUF	798.970,-	798.970,-	798.970,-	798.970,-	798.970,-	798.970,-
84	External tank without cabinet (1000 l)	HUF	1.066.700,-	1.066.700,-	1.066.700,-	1.066.700,-	1.066.700,-	1.066.700,-
87	External tank with cabinet (500 l)	HUF	1.176.063,-	1.176.063,-	1.176.063,-	1.176.063,-	1.176.063,-	1.176.063,-
88	External tank with cabinet (1000 l)	HUF	1.506.750,-	1.506.750,-	1.506.750,-	1.506.750,-	1.506.750,-	1.506.750,-
Communication cards / Accessories								
EKCM200J	BMS card (ModBUS-RTU)	HUF	100.445,-	100.445,-	100.445,-	100.445,-	100.445,-	100.445,-
EKCMRACN1P	BMS card (BacNet/ MSTP)	HUF	120.012,-	120.012,-	120.012,-	120.012,-	120.012,-	120.012,-
EKCM1LON	BMS card (LonWorks)	HUF	116.751,-	116.751,-	116.751,-	116.751,-	116.751,-	116.751,-

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
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	2860	3200	3200	3200	3800	3800
Width	mm	1195	1195	1195	1195	1195	1195
Height	mm	1800	1800	1800	1800	1820	1820
Weight of unit / Operating weight	kg	764/774	880/890	1050/1065	1021/1037	1116/1132	1153/1174
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
Price	HUF	6.286.294,-	6.756.200,-	7.342.934,-	7.728.140,-	8.351.220,-	8.978.843,-
Commissioning by DAIKIN service (net price)	HUF	98.181,-	98.181,-	98.181,-	98.181,-	98.181,-	98.181,-

Optional accessories for chiller:

Code	Type of unit	EWAQ-G-XR	080	090	105	115	130	150
Mechanical								
20	Evaporator victaulic kit	HUF	Standard					
29	20mm evaporator insulation	HUF						
01a	Total heat recovery (including expansion card pol965)	HUF	817.468,-	817.468,-	821.362,-	894.055,-	894.055,-	894.055,-
03	Partial heat recovery	HUF	295.638,-	295.638,-	295.638,-	301.480,-	301.480,-	352.754,-
08	Brine version	HUF	125.265,-	125.265,-	125.265,-	125.265,-	125.265,-	125.265,-
126	Discharge and suction line shut-off valve	HUF	209.316,-	209.316,-	209.316,-	209.316,-	209.316,-	209.316,-
127	High and low pressure side manometers	HUF	68.149,-	68.149,-	68.149,-	68.149,-	68.149,-	68.149,-
138	Condenser coil guard	HUF	125.265,-	136.299,-	136.299,-	136.299,-	171.022,-	171.022,-
78	One centrifugal pump (low lift)	HUF	613.994,-	641.254,-	641.254,-	641.254,-	709.403,-	709.403,-
79	One centrifugal pump (high lift)	HUF	750.292,-	777.552,-	777.552,-	777.552,-	827.852,-	827.852,-
80	Two centrifugal pump (low lift)	HUF	1.015.426,-	1.015.426,-	1.015.426,-	1.015.426,-	1.086.820,-	1.086.820,-
81	Two centrifugal pump (high lift)	HUF	1.191.640,-	1.214.357,-	1.214.357,-	1.214.357,-	1.248.757,-	1.248.757,-
134	One centrifugal pump (low lift) + tank	HUF	966.748,-	1.080.330,-	1.080.330,-	1.080.330,-	1.148.804,-	1.148.804,-
135	One centrifugal pump (high lift) + tank	HUF	1.103.046,-	1.218.900,-	1.218.900,-	1.218.900,-	1.268.877,-	1.268.877,-
136	Two centrifugal pump (low lift) + tank	HUF	1.505.452,-	1.523.626,-	1.523.626,-	1.523.626,-	1.576.198,-	1.576.198,-
137	Two centrifugal pump (high lift) + tank	HUF	1.644.996,-	1.667.713,-	1.667.713,-	1.667.713,-	1.694.323,-	1.717.040,-
91	Double pressure relief valve with diverter	HUF	250.206,-	250.206,-	250.206,-	250.206,-	250.206,-	250.206,-
139	E-coating microchannel coils	HUF	315.110,-	411.817,-	411.817,-	411.817,-	523.128,-	523.128,-
115	Water filter	HUF	131.107,-	131.107,-	131.107,-	131.107,-	131.107,-	131.107,-
Electrical / Control								
04	Direct on line starter (dol)	HUF	Standard					
10	Double setpoint	HUF						
57	Evaporator electric heater	HUF						
60	Electronic expansion valve	HUF						
67	Ambient outside temperature sensor and setpoint reset	HUF						
68	Hour run meter	HUF						
69	General fault contactor	HUF						
97	Main switch interlock door	HUF						
128	Master/Slave	HUF						
06	Soft starter	HUF	451.408,-	451.408,-	451.408,-	451.408,-	466.985,-	504.954,-
15a	Control expansion pack including (under / over voltage control, setpoint reset, demand limit, alarm from external device, expansion card pol965)	HUF	102.548,-	102.548,-	102.548,-	102.548,-	102.548,-	102.548,-
17	Capacitors for power factor correction	HUF	174.267,-	174.267,-	174.267,-	174.267,-	174.267,-	193.739,-
58	Evaporator flow switch	HUF	59.063,-	59.063,-	59.063,-	59.063,-	59.063,-	59.063,-
95	Compressors circuit breakers	HUF	79.832,-	83.078,-	86.323,-	86.323,-	86.323,-	98.005,-
96	Fans circuit breakers	HUF	45.433,-	45.433,-	45.433,-	45.433,-	45.433,-	45.433,-
Installation								
75	Rubber anti vibration mounts	HUF	103.198,-	103.198,-	103.198,-	103.198,-	103.198,-	103.198,-
77	Spring anti vibration mounts	HUF	324.196,-	324.196,-	324.196,-	324.196,-	324.196,-	324.196,-
83	External tank without cabinet (500 l)	HUF	798.970,-	798.970,-	798.970,-	798.970,-	798.970,-	798.970,-
84	External tank without cabinet (1000 l)	HUF	1.066.700,-	1.066.700,-	1.066.700,-	1.066.700,-	1.066.700,-	1.066.700,-
87	External tank with cabinet (500 l)	HUF	1.176.063,-	1.176.063,-	1.176.063,-	1.176.063,-	1.176.063,-	1.176.063,-
88	External tank with cabinet (1000 l)	HUF	1.506.750,-	1.506.750,-	1.506.750,-	1.506.750,-	1.506.750,-	1.506.750,-
Communication cards / Accessories								
EKCM200J	BMS card (ModBUS-RTU)	HUF	100.445,-	100.445,-	100.445,-	100.445,-	100.445,-	100.445,-
EKCMBAQNSTP	BMS card (BacNet/ MSTP)	HUF	120.012,-	120.012,-	120.012,-	120.012,-	120.012,-	120.012,-
EKCMMLON	BMS card (LonWorks)	HUF	116.751,-	116.751,-	116.751,-	116.751,-	116.751,-	116.751,-

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
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	2826 x 1195 x 1800			3426 x 1195 x 1800		4026 x 1195 x 1800	
Weight of unit / Operating weight	kg	850/858	912/921	1077/1088	1183/1194	1213/1224	1333/1344	1394/1411
Space heating Average climate water outlet 35°C	ns (Seasonal space heating efficiency) SCOP	%	131	129	142	140	142	138
			3,35	3,31	3,62	3,58	3,63	3,53
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
Price	HUF	5.957.916,-	6.543.220,-	7.264.200,-	7.923.569,-	8.359.434,-	9.197.737,-	9.892.499,-
Commissioning by DAIKIN service (net price)	HUF	99.148,-	99.148,-	99.148,-	99.148,-	99.148,-	99.148,-	99.148,-

Optional accessories for chiller:

Code	Type of unit	EWYQ-G-XS	075	085	100	110	120	140	160
Mechanical									
20	Evaporator victaulic kit	HUF							
29	20mm evaporator insulation	HUF				Standard			
49	Alucoat fins coil	HUF							
03	Partial heat recovery	HUF	298.551,-	298.551,-	298.551,-	304.451,-	304.451,-	356.230,-	356.230,-
08	Brine version	HUF	126.499,-	126.499,-	126.499,-	126.499,-	126.499,-	126.499,-	126.499,-
126	Discharge and suction line shut-off valve	HUF	211.379,-	211.379,-	211.379,-	211.379,-	211.379,-	211.379,-	211.379,-
127	High and low pressure side manometers	HUF	68.821,-	68.821,-	68.821,-	68.821,-	68.821,-	68.821,-	68.821,-
138	Condenser coil guard	HUF	126.499,-	126.499,-	126.499,-	137.642,-	137.642,-	172.707,-	172.707,-
78	One centrifugal pump (low lift)	HUF	620.043,-	620.043,-	620.043,-	647.571,-	647.571,-	716.392,-	716.392,-
79	One centrifugal pump (high lift)	HUF	757.684,-	757.684,-	757.684,-	785.213,-	785.213,-	836.008,-	836.008,-
80	Two centrifugal pump (low lift)	HUF	1.025.431,-	1.025.431,-	1.025.431,-	1.025.431,-	1.025.431,-	1.097.528,-	1.097.528,-
81	Two centrifugal pump (high lift)	HUF	1.203.381,-	1.203.381,-	1.203.381,-	1.226.321,-	1.226.321,-	1.261.060,-	1.261.060,-
134	One centrifugal pump (low lift) + tank	HUF	976.273,-	976.273,-	976.273,-	1.090.974,-	1.090.974,-	1.160.123,-	1.160.123,-
135	One centrifugal pump (high lift) + tank	HUF	1.113.914,-	1.113.914,-	1.113.914,-	1.230.909,-	1.230.909,-	1.281.378,-	1.281.378,-
136	Two centrifugal pump (low lift) + tank	HUF	1.520.284,-	1.520.284,-	1.520.284,-	1.538.637,-	1.538.637,-	1.591.727,-	1.591.727,-
137	Two centrifugal pump (high lift) + tank	HUF	1.661.203,-	1.661.203,-	1.661.203,-	1.684.144,-	1.684.144,-	1.733.957,-	1.733.957,-
91	Double pressure relief valve with diverter	HUF	252.671,-	252.671,-	252.671,-	252.671,-	252.671,-	252.671,-	252.671,-
115	Water filter	HUF	132.398,-	132.398,-	132.398,-	132.398,-	132.398,-	132.398,-	132.398,-
114	Nordic kit	HUF	252.671,-	252.671,-	252.671,-	298.551,-	298.551,-	344.432,-	344.432,-
Electrical / Control									
04	Direct on line starter (dol)	HUF							
10	Double setpoint	HUF							
57	Evaporator electric heater	HUF							
60	Electronic expansion valve	HUF							
67	Ambient outside temperature sensor and setpoint reset	HUF				Standard			
68	Hour run meter	HUF							
69	General fault contactor	HUF							
97	Main switch interlock door	HUF							
128	Master/Slave	HUF							
06	Soft starter	HUF	455.855,-	455.855,-	455.855,-	455.855,-	471.586,-	509.929,-	547.945,-
15a	Control expansion pack including (under / over voltage control, setpoint reset, demand limit, alarm from external device, expansion card pol965)	HUF	103.559,-	103.559,-	103.559,-	103.559,-	103.559,-	103.559,-	103.559,-
17	Capacitors for power factor correction	HUF	175.984,-	175.984,-	175.984,-	175.984,-	175.984,-	195.648,-	229.730,-
58	Evaporator flow switch	HUF	59.645,-	59.645,-	59.645,-	59.645,-	59.645,-	59.645,-	59.645,-
95	Compressors circuit breakers	HUF	80.618,-	83.896,-	87.173,-	87.173,-	87.173,-	98.971,-	110.114,-
96	Fans circuit breakers	HUF	45.881,-	45.881,-	45.881,-	45.881,-	45.881,-	45.881,-	45.881,-
Installation									
75	Rubber anti vibration mounts	HUF	104.215,-	104.215,-	104.215,-	104.215,-	104.215,-	104.215,-	104.215,-
77	Spring anti vibration mounts	HUF	327.390,-	327.390,-	327.390,-	327.390,-	327.390,-	327.390,-	327.390,-
83	External tank without cabinet (500 l)	HUF	806.842,-	806.842,-	806.842,-	806.842,-	806.842,-	806.842,-	806.842,-
84	External tank without cabinet (1000 l)	HUF	1.077.209,-	1.077.209,-	1.077.209,-	1.077.209,-	1.077.209,-	1.077.209,-	1.077.209,-
87	External tank with cabinet (500 l)	HUF	1.187.650,-	1.187.650,-	1.187.650,-	1.187.650,-	1.187.650,-	1.187.650,-	1.187.650,-
88	External tank with cabinet (1000 l)	HUF	1.521.595,-	1.521.595,-	1.521.595,-	1.521.595,-	1.521.595,-	1.521.595,-	1.521.595,-
Communication cards / Accessories									
EKCM200J	BMS card (ModBUS-RTU)	HUF	100.445,-	100.445,-	100.445,-	100.445,-	100.445,-	100.445,-	100.445,-
EKCM200J	BMS card (BacNet/ MSTP)	HUF	120.012,-	120.012,-	120.012,-	120.012,-	120.012,-	120.012,-	120.012,-
EKCM200J	BMS card (LonWorks)	HUF	116.751,-	116.751,-	116.751,-	116.751,-	116.751,-	116.751,-	116.751,-

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	
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	2826 x 1195 x 1800			3426 x 1195 x 1800		4026 x 1195 x 1800		
Weight of unit / Operating weight			kg	880/888	942/951	1107/1118	1233/1224	1243/1254	1363/1374	1424/1441	
	Space heating	Average climate water outlet 35°C	ηs (Seasonal space heating efficiency SCOP)	%	131	129	142	140	142	138	140
					3,35	3,31	3,62	3,58	3,63	3,53	3,58
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	
Price			HUF	6.297.759,-	6.910.592,-	7.666.310,-	8.340.099,-	8.796.937,-	9.689.314,-	10.384.076,-	
Commissioning by DAIKIN service (net price)			HUF	99.148,-	99.148,-	99.148,-	99.148,-	99.148,-	99.148,-	99.148,-	

Optional accessories for chiller:

Code	Type of unit	EWYQ-G-XR	075	085	100	110	120	140	160
Mechanical									
20	Evaporator victaulic kit	HUF							
29	20mm evaporator insulation	HUF				Standard			
49	Alucoat fins coil	HUF							
03	Partial heat recovery	HUF	298.551,-	298.551,-	298.551,-	304.451,-	304.451,-	356.230,-	356.230,-
08	Brine version	HUF	126.499,-	126.499,-	126.499,-	126.499,-	126.499,-	126.499,-	126.499,-
126	Discharge and suction line shut-off valve	HUF	211.379,-	211.379,-	211.379,-	211.379,-	211.379,-	211.379,-	211.379,-
127	High and low pressure side manometers	HUF	68.821,-	68.821,-	68.821,-	68.821,-	68.821,-	68.821,-	68.821,-
138	Condenser coil guard	HUF	126.499,-	126.499,-	126.499,-	137.642,-	137.642,-	172.707,-	172.707,-
78	One centrifugal pump (low lift)	HUF	620.043,-	620.043,-	620.043,-	647.571,-	647.571,-	716.392,-	716.392,-
79	One centrifugal pump (high lift)	HUF	757.684,-	757.684,-	757.684,-	785.213,-	785.213,-	836.008,-	836.008,-
80	Two centrifugal pump (low lift)	HUF	1.025.431,-	1.025.431,-	1.025.431,-	1.025.431,-	1.025.431,-	1.097.528,-	1.097.528,-
81	Two centrifugal pump (high lift)	HUF	1.203.381,-	1.203.381,-	1.203.381,-	1.226.321,-	1.226.321,-	1.261.060,-	1.261.060,-
134	One centrifugal pump (low lift) + tank	HUF	976.273,-	976.273,-	976.273,-	1.090.974,-	1.090.974,-	1.160.123,-	1.160.123,-
135	One centrifugal pump (high lift) + tank	HUF	1.113.914,-	1.113.914,-	1.113.914,-	1.230.909,-	1.230.909,-	1.281.378,-	1.281.378,-
136	Two centrifugal pump (low lift) + tank	HUF	1.520.284,-	1.520.284,-	1.520.284,-	1.538.637,-	1.538.637,-	1.591.727,-	1.591.727,-
137	Two centrifugal pump (high lift) + tank	HUF	1.661.203,-	1.661.203,-	1.661.203,-	1.684.144,-	1.684.144,-	1.733.957,-	1.733.957,-
91	Double pressure relief valve with diverter	HUF	252.671,-	252.671,-	252.671,-	252.671,-	252.671,-	252.671,-	252.671,-
115	Water filter	HUF	132.398,-	132.398,-	132.398,-	132.398,-	132.398,-	132.398,-	132.398,-
114	Nordic kit	HUF	252.671,-	252.671,-	252.671,-	298.551,-	298.551,-	344.432,-	344.432,-
Electrical / Control									
04	Direct on line starter (dol)	HUF							
10	Double setpoint	HUF							
57	Evaporator electric heater	HUF							
60	Electronic expansion valve	HUF							
67	Ambient outside temperature sensor and setpoint reset	HUF				Standard			
68	Hour run meter	HUF							
69	General fault contactor	HUF							
97	Main switch interlock door	HUF							
128	Master/Slave	HUF							
06	Soft starter	HUF	455.855,-	455.855,-	455.855,-	455.855,-	471.586,-	509.929,-	547.945,-
15a	Control expansion pack including (under / over voltage control, setpoint reset, demand limit, alarm from external device, expansion card pol965)	HUF	103.559,-	103.559,-	103.559,-	103.559,-	103.559,-	103.559,-	103.559,-
17	Capacitors for power factor correction	HUF	175.984,-	175.984,-	175.984,-	175.984,-	175.984,-	195.648,-	229.730,-
58	Evaporator flow switch	HUF	59.645,-	59.645,-	59.645,-	59.645,-	59.645,-	59.645,-	59.645,-
95	Compressors circuit breakers	HUF	80.618,-	83.896,-	87.173,-	87.173,-	87.173,-	98.971,-	110.114,-
96	Fans circuit breakers	HUF	45.881,-	45.881,-	45.881,-	45.881,-	45.881,-	45.881,-	45.881,-
Installation									
75	Rubber anti vibration mounts	HUF	104.215,-	104.215,-	104.215,-	104.215,-	104.215,-	104.215,-	104.215,-
77	Spring anti vibration mounts	HUF	327.390,-	327.390,-	327.390,-	327.390,-	327.390,-	327.390,-	327.390,-
83	External tank without cabinet (500 l)	HUF	806.842,-	806.842,-	806.842,-	806.842,-	806.842,-	806.842,-	806.842,-
84	External tank without cabinet (1000 l)	HUF	1.077.209,-	1.077.209,-	1.077.209,-	1.077.209,-	1.077.209,-	1.077.209,-	1.077.209,-
87	External tank with cabinet (500 l)	HUF	1.187.650,-	1.187.650,-	1.187.650,-	1.187.650,-	1.187.650,-	1.187.650,-	1.187.650,-
88	External tank with cabinet (1000 l)	HUF	1.521.595,-	1.521.595,-	1.521.595,-	1.521.595,-	1.521.595,-	1.521.595,-	1.521.595,-
Communication cards / Accessories									
EKCM200J	BMS card (ModBUS-RTU)	HUF	100.445,-	100.445,-	100.445,-	100.445,-	100.445,-	100.445,-	100.445,-
EKCM200JSTP	BMS card (BacNet/ MSTP)	HUF	120.012,-	120.012,-	120.012,-	120.012,-	120.012,-	120.012,-	120.012,-
EKCM100J	BMS card (LonWorks)	HUF	116.751,-	116.751,-	116.751,-	116.751,-	116.751,-	116.751,-	116.751,-

EWWQ-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



NEW

Unit size				EWWQ014KBW1N	EWWQ025KBW1N	EWWQ033KBW1N	EWWQ049KBW1N
Price		HUF		1.286.158,-	1.726.318,-	1.998.895,-	2.725.766,-
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	HUF		64.610,-	64.610,-	64.610,-	64.610,-
OPZL	glycol application to -10 °C LWE	HUF		64.610,-	64.610,-	64.610,-	64.610,-
Kit							
EKLS1	low noise kit 5 HP	HUF		1.371.601,-	-	-	-
EKLS2	low noise kit 8/10/12 HP	HUF		-	1.811.761,-	2.084.338,-	2.811.209,-
EKAC10C ⁽³⁾	BMS address card	HUF		1.334.750,-	1.774.910,-	2.047.487,-	2.774.358,-
EKRUMCA	remote user interface	HUF		1.376.167,-	1.816.327,-	2.088.904,-	2.815.775,-

Unit size				EWWQ064KBW1N	EWWQ049KAW1M*	EWWQ064KAW1M*
Price		HUF		3.230.537,-	2.241.185,-	2.745.957,-
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	HUF		64.610,-	64.610,-	64.610,-	64.610,-
OPZL	glycol application to -10 °C LWE	HUF		64.610,-	64.610,-	64.610,-	64.610,-
Kit							
EKLS2	low noise kit 8/10/12 HP (2 pcs.)	HUF		3.315.980,-	2.326.628,-	2.831.400,-	
EKAC10C ⁽³⁾	BMS address card	HUF		3.279.129,-	2.289.777,-	2.794.549,-	
EKRUMCA ⁽³⁾	remote user interface	HUF		3.320.546,-	2.331.194,-	2.835.966,-	

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



NEW

Capacity index		098	113	128
Basic model		EWWQ049KAW1M	EWWQ049KAW1M	EWWQ064KAW1M
		EWWQ049KAW1M	EWWQ064KAW1M	EWWQ064KAW1M
Control box		ECB2MUAW	ECB2MUAW	ECB2MUAW
Price	HUF	5.409.206,-	5.913.978,-	6.418.750,-
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	HUF	5.473.816,-	5.978.588,-
OPZL	glycol application to -10°C LWE	HUF	5.473.816,-	5.978.588,-

Capacity index		147	162	177	192
Basic model		EWWQ049KAW1M	EWWQ049KAW1M	EWWQ049KAW1M	EWWQ064KAW1M
		EWWQ049KAW1M	EWWQ049KAW1M	EWWQ064KAW1M	EWWQ064KAW1M
		EWWQ049KAW1M	EWWQ064KAW1M	EWWQ064KAW1M	EWWQ064KAW1M
Control box		ECB3MUAW	ECB3MUAW	ECB3MUAW	ECB3MUAW
Price	HUF	7.650.391,-	8.155.163,-	8.659.935,-	9.164.707,-
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	HUF	7.715.001,-	8.219.773,-	8.724.545,-
OPZL	glycol application to -10°C LWE	HUF	7.715.001,-	8.219.773,-	8.724.545,-

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

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



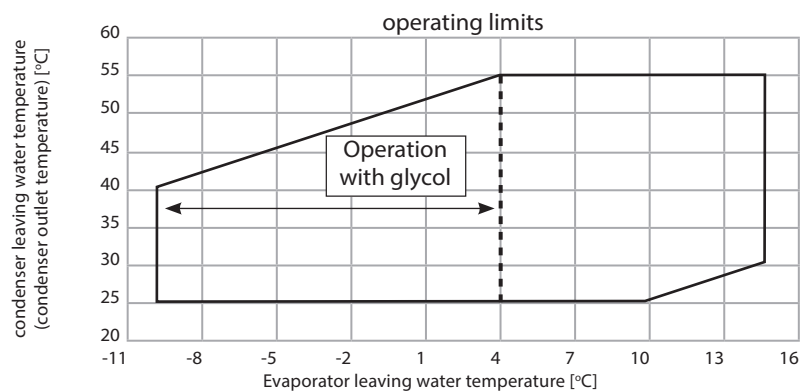
Standard equipment

- › 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
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	ns (Seasonal space heating efficiency) SCOP	%	163	163	165	168	168	167	164	162	166
				4,28	4,28	4,33	4,40	4,39	4,40	4,38	4,29	4,25
				4,28	4,28	4,33	4,40	4,39	4,40	4,38	4,29	4,25
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
Price	RON	4.916.815,-	5.244.257,-	5.598.958,-	5.976.377,-	6.323.290,-	6.937.932,-	7.486.372,-	7.655.123,-	8.184.741,-	9.901.456,-	11.287.810,-
Commissioning by DAIKIN service (net price)	RON	98.181,-	98.181,-	98.181,-	98.181,-	98.181,-	98.181,-	98.181,-	98.181,-	98.181,-	98.181,-	98.181,-

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	HUF	Standard										
29	20Mm evaporator insulation	HUF											
60	Electronic expansion valve	HUF											
07a	Heat pump version (with reversibility on water side)	HUF	84.376,-	84.376,-	84.376,-	84.376,-	84.376,-	84.376,-	84.376,-	84.376,-	84.376,-	84.376,-	84.376,-
133	Stacked installation	HUF	456.601,-	456.601,-	456.601,-	456.601,-	456.601,-	456.601,-	456.601,-	456.601,-	456.601,-	456.601,-	456.601,-
08	Brine version	HUF	132.405,-	132.405,-	132.405,-	132.405,-	132.405,-	132.405,-	132.405,-	132.405,-	132.405,-	132.405,-	132.405,-
03	Partial heat recovery	HUF	312.513,-	312.513,-	312.513,-	317.057,-	319.004,-	372.874,-	383.909,-	408.572,-	483.212,-	511.445,-	544.546,-
33	20Mm condenser insulation	HUF	48.029,-	48.029,-	48.029,-	48.029,-	48.029,-	48.029,-	48.029,-	48.029,-	48.029,-	48.029,-	48.029,-
126	Discharge and suction line shut-off valve	HUF	220.999,-	220.999,-	220.999,-	220.999,-	220.999,-	220.999,-	220.999,-	220.999,-	220.999,-	220.999,-	220.999,-
127	High and low pressure side manometers	HUF	72.044,-	72.044,-	72.044,-	72.044,-	72.044,-	72.044,-	72.044,-	72.044,-	72.044,-	72.044,-	72.044,-
76-c	Sound proof system (compressors jacket)	HUF	253.451,-	229.437,-	206.720,-	206.720,-	206.720,-	206.720,-	206.720,-	Not available			
76-b	Sound proof system (compressor)	HUF	833.045,-	833.045,-	833.045,-	833.045,-	833.045,-	833.045,-	833.045,-	833.045,-	833.045,-	833.045,-	833.045,-
91	Double pressure relief valve with diverter	HUF	264.485,-	264.485,-	264.485,-	264.485,-	264.485,-	264.485,-	264.485,-	264.485,-	264.485,-	264.485,-	264.485,-
115	Water filter	HUF	138.246,-	138.246,-	138.246,-	138.246,-	138.246,-	138.246,-	138.246,-	138.246,-	138.246,-	138.246,-	217.753,-
122	Evaporator single pump (low lift)	HUF	322.898,-	322.898,-	343.668,-	343.668,-	343.668,-	569.859,-	569.859,-	569.859,-	569.859,-	569.859,-	528.969,-
123	Evaporator single pump (high lift)	HUF	370.928,-	370.928,-	394.942,-	394.942,-	394.942,-	655.533,-	655.533,-	655.533,-	655.533,-	655.533,-	608.152,-
124	Condenser single pump (low lift)	HUF	387.153,-	387.153,-	411.817,-	411.817,-	411.817,-	684.090,-	684.090,-	684.090,-	684.090,-	684.090,-	634.763,-
125	Condenser single pump (high lift)	HUF	445.567,-	445.567,-	473.476,-	473.476,-	473.476,-	786.638,-	786.638,-	786.638,-	786.638,-	786.638,-	729.523,-
Electrical / Control													
04	Dol starter	HUF	Standard									Not available	
132	Part winding start	HUF	Not available									Standard	
10	Double setpoint	HUF	Standard									Not available	
68	Hour run meter	HUF										Standard	
69	General fault contactor	HUF											
97	Main switch interlock door	HUF											
128	Master/Slave	HUF											
06	Soft starter	HUF	750.942,-	684.090,-	617.887,-	662.023,-	706.158,-	758.081,-	810.005,-	861.603,-	883.022,-	Not available	
15a	Control expansion pack including (under / over voltage control, setpoint reset, demand limit, alarm from external device, expansion card pol965)	HUF	108.390,-	108.390,-	108.390,-	108.390,-	108.390,-	108.390,-	108.390,-	108.390,-	108.390,-	108.390,-	108.390,-
17	Capacitors for power factor correction	HUF	201.527,-	201.527,-	201.527,-	201.527,-	201.527,-	201.527,-	355.999,-	355.999,-	355.999,-	497.815,-	497.815,-
58	Evaporator flow switch	HUF	62.308,-	62.308,-	62.308,-	62.308,-	62.308,-	62.308,-	62.308,-	62.308,-	62.308,-	62.308,-	62.308,-
59	Condenser flow switch	HUF	62.308,-	62.308,-	62.308,-	62.308,-	62.308,-	62.308,-	62.308,-	62.308,-	62.308,-	62.308,-	62.308,-
95	Compressors circuit breakers	HUF	84.376,-	87.621,-	91.514,-	91.514,-	91.514,-	103.198,-	115.529,-	120.072,-	124.616,-	424.149,-	723.682,-
102	Ground fault relay	HUF	209.316,-	209.316,-	209.316,-	209.316,-	209.316,-	209.316,-	209.316,-	209.316,-	209.316,-	209.316,-	209.316,-
Installation													
75	Rubber anti vibration mounts	HUF	52.572,-	52.572,-	52.572,-	52.572,-	52.572,-	52.572,-	52.572,-	52.572,-	52.572,-	52.572,-	52.572,-
Communication cards / Accessories													
EKCM200J	BMS card (ModBUS-RTU)	HUF	100.445,-	100.445,-	100.445,-	100.445,-	100.445,-	100.445,-	100.445,-	100.445,-	100.445,-	100.445,-	100.445,-
EKCM200J	BMS card (BacNet/ MSTP)	HUF	120.012,-	120.012,-	120.012,-	120.012,-	120.012,-	120.012,-	120.012,-	120.012,-	120.012,-	120.012,-	120.012,-
EKCM200J	BMS card (LonWorks)	HUF	116.751,-	116.751,-	116.751,-	116.751,-	116.751,-	116.751,-	116.751,-	116.751,-	116.751,-	116.751,-	116.751,-

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
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	ηs (Seasonal space heating efficiency) SCOP	%	155	155	158	162	161	161	167	166	158	-
			4,08	4,08	4,14	4,24	4,23	4,23	4,22	4,37	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
Price	HUF	5.555.473,-	5.926.400,-	6.327.183,-	6.752.955,-	7.145.301,-	7.839.776,-	7.962.120,-	8.650.429,-	9.249.169,-	11.189.480,-	12.755.293,-
Commissioning by DAIKIN service personnel (net price)	HUF	98.181,-	98.181,-	98.181,-	98.181,-	98.181,-	98.181,-	98.181,-	98.181,-	98.181,-	98.181,-	98.181,-

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	HUF	Standard										
29	20Mm evaporator insulation	HUF											
33	20Mm condenser insulation	HUF											
60	Electronic expansion valve	HUF											
133	Stacked installation	HUF	456.601,-	456.601,-	456.601,-	456.601,-	456.601,-	456.601,-	456.601,-	456.601,-	456.601,-	456.601,-	456.601,-
08	Brine version	HUF	132.405,-	132.405,-	132.405,-	132.405,-	132.405,-	132.405,-	132.405,-	132.405,-	132.405,-	132.405,-	132.405,-
03	Partial heat recovery	HUF	312.513,-	312.513,-	312.513,-	317.057,-	319.004,-	372.874,-	383.909,-	408.572,-	483.212,-	511.445,-	544.546,-
129	Liquid line dishut of valve	HUF	72.044,-	72.044,-	72.044,-	72.044,-	72.044,-	84.376,-	84.376,-	84.376,-	84.376,-	96.059,-	96.059,-
126	Discharge and suction line shut-off valve	HUF	220.999,-	220.999,-	220.999,-	220.999,-	220.999,-	220.999,-	220.999,-	220.999,-	220.999,-	220.999,-	220.999,-
127	High and low pressure side manometers	HUF	72.044,-	72.044,-	72.044,-	72.044,-	72.044,-	72.044,-	72.044,-	72.044,-	72.044,-	72.044,-	72.044,-
76-c	Sound proof system (compressors jacket)	HUF	253.451,-	229.437,-	206.720,-	206.720,-	206.720,-	206.720,-	206.720,-	Not available			
76-b	Sound proof system (compressor)	HUF	833.045,-	833.045,-	833.045,-	833.045,-	833.045,-	833.045,-	833.045,-	833.045,-	833.045,-	833.045,-	833.045,-
91	Double pressure relief valve with diverter	HUF	264.485,-	264.485,-	264.485,-	264.485,-	264.485,-	264.485,-	264.485,-	264.485,-	264.485,-	264.485,-	264.485,-
115	Water filter	HUF	138.246,-	138.246,-	138.246,-	138.246,-	138.246,-	138.246,-	138.246,-	138.246,-	138.246,-	138.246,-	217.753,-
122	Evaporator single pump (low lift)	HUF	322.898,-	322.898,-	343.668,-	343.668,-	343.668,-	569.859,-	569.859,-	569.859,-	569.859,-	569.859,-	528.969,-
123	Evaporator single pump (high lift)	HUF	370.928,-	370.928,-	394.942,-	394.942,-	394.942,-	655.533,-	655.533,-	655.533,-	655.533,-	655.533,-	608.152,-
124	Condenser single pump (low lift)	HUF	322.898,-	322.898,-	343.668,-	343.668,-	343.668,-	569.859,-	569.859,-	569.859,-	569.859,-	569.859,-	528.969,-
125	Condenser single pump (high lift)	HUF	370.928,-	370.928,-	394.942,-	394.942,-	394.942,-	655.533,-	655.533,-	655.533,-	655.533,-	655.533,-	608.152,-
Electrical / Control													
04	Dol starter	HUF	Standard									Not available	
132	Part winidng start	HUF	Not available										
10	Double setpoint	HUF	Standard										
68	Hour run meter	HUF											
69	General fault contactor	HUF											
97	Main switch interlock door	HUF											
128	Master/Slave	HUF	Not available										
06	Soft starter	HUF											
15a	Control expansion pack including (under / over voltage control, setpoint reset, demand limit, alarm from external device, expansion card pol965)	HUF	108.390,-	108.390,-	108.390,-	108.390,-	108.390,-	108.390,-	108.390,-	108.390,-	108.390,-	108.390,-	108.390,-
17	Capacitors for power factor correction	HUF	201.527,-	201.527,-	201.527,-	201.527,-	201.527,-	201.527,-	355.999,-	355.999,-	355.999,-	497.815,-	497.815,-
58	Evaporator flow switch	HUF	62.308,-	62.308,-	62.308,-	62.308,-	62.308,-	62.308,-	62.308,-	62.308,-	62.308,-	62.308,-	62.308,-
59	Condenser flow switch	HUF	62.308,-	62.308,-	62.308,-	62.308,-	62.308,-	62.308,-	62.308,-	62.308,-	62.308,-	62.308,-	62.308,-
95	Compressors circuit breakers	HUF	84.376,-	87.621,-	91.514,-	91.514,-	91.514,-	103.198,-	115.529,-	120.072,-	124.616,-	424.149,-	723.682,-
102	Ground fault relay	HUF	209.316,-	209.316,-	209.316,-	209.316,-	209.316,-	209.316,-	209.316,-	209.316,-	209.316,-	209.316,-	209.316,-
Installation													
75	Rubber anti vibration mounts	HUF	52.572,-	52.572,-	52.572,-	52.572,-	52.572,-	52.572,-	52.572,-	52.572,-	52.572,-	52.572,-	52.572,-
Communication cards / Accessories													
EKCM200J	BMS card (ModBUS-RTU)	HUF	100.445,-	100.445,-	100.445,-	100.445,-	100.445,-	100.445,-	100.445,-	100.445,-	100.445,-	100.445,-	100.445,-
EKCM200JSTP	BMS card (BacNet/ MSTP)	HUF	120.012,-	120.012,-	120.012,-	120.012,-	120.012,-	120.012,-	120.012,-	120.012,-	120.012,-	120.012,-	120.012,-
EKCLM10N	BMS card (LonWorks)	HUF	116.751,-	116.751,-	116.751,-	116.751,-	116.751,-	116.751,-	116.751,-	116.751,-	116.751,-	116.751,-	116.751,-

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
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	η _s (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
Price	HUF		9.305.636,-	9.381.899,-	10.062.419,-	10.717.951,-	11.452.341,-	12.387.935,-
Commissioning by DAIKIN service personnel (net price)	HUF		142.789,-	142.789,-	142.789,-	142.789,-	142.789,-	142.789,-

Optional accessories for chiller:

Code	Type of unit		180	205	230	260	290	330
Mechanical								
130	Evaporator and condenser victaulic kit	HUF	Standard					
29	20Mm evaporator insulation	HUF						
60	Electronic expansion valve	HUF						
07a	Heat pump version with reversibility on water side (including pursuit mode)	HUF	84.376,-	84.376,-	84.376,-	84.376,-	84.376,-	84.376,-
08	Brine version	HUF	264.485,-	264.485,-	264.485,-	264.485,-	264.485,-	264.485,-
03	Partial heat recovery	HUF	640.604,-	640.604,-	640.604,-	640.604,-	649.690,-	768.466,-
33	20Mm condenser insulation	HUF	96.059,-	96.059,-	96.059,-	96.059,-	96.059,-	96.059,-
126	Discharge and suction line shut-off valve	HUF	442.322,-	442.322,-	442.322,-	442.322,-	442.322,-	442.322,-
127	High and low pressure side manometers	HUF	144.087,-	144.087,-	144.087,-	144.087,-	144.087,-	144.087,-
76-c	Sound proof system (compressors jacket)	HUF	591.277,-	536.109,-	480.616,-	480.616,-	480.616,-	480.616,-
76-b	Sound proof system (compressor)	HUF	1.665.765,-	1.665.765,-	1.665.765,-	1.665.765,-	1.665.765,-	1.665.765,-
91	Double pressure relief valve with diverter	HUF	395.591,-	395.591,-	395.591,-	395.591,-	395.591,-	395.591,-
115	Water filter	HUF	138.246,-	138.246,-	138.246,-	138.246,-	138.246,-	217.753,-
122	Evaporator single pump (low lift)	HUF	Contact Factory					
123	Evaporator single pump (high lift)	HUF						
Electrical / Control								
04	Dol starter	HUF	Standard					
10	Double setpoint	HUF						
68	Hour run meter	HUF						
69	General fault contactor	HUF						
97	Main switch interlock door	HUF						
128	Master/Slave	HUF						
132	Part winidng start	HUF	Not available					
06	Soft starter	HUF						
15a	Control expansion pack including (under / over voltage control, setpoint reset, demand limit, alarm from external device, expansion card pol965)	HUF	1.620.333,-	1.484.683,-	1.350.007,-	1.442.171,-	1.535.308,-	1.641.751,-
17	Capacitors for power factor correction	HUF	108.390,-	108.390,-	108.390,-	108.390,-	108.390,-	108.390,-
58	Evaporator flow switch	HUF	369.630,-	369.630,-	369.630,-	369.630,-	369.630,-	369.630,-
59	Condenser flow switch	HUF	62.308,-	62.308,-	62.308,-	62.308,-	62.308,-	62.308,-
95	Compressors circuit breakers	HUF	62.308,-	62.308,-	62.308,-	62.308,-	62.308,-	62.308,-
102	Ground fault relay	HUF	167.128,-	174.267,-	181.407,-	181.407,-	181.407,-	205.422,-
		HUF	209.316,-	209.316,-	209.316,-	209.316,-	209.316,-	209.316,-
Installation								
75	Rubber anti vibration mounts	HUF	74.640,-	74.640,-	74.640,-	74.640,-	74.640,-	74.640,-
Communication cards / Accessories								
EKCM200J	BMS card (ModBUS-RTU)	HUF	100.445,-	100.445,-	100.445,-	100.445,-	100.445,-	100.445,-
EKCM8ACHMSTP	BMS card (BacNet/ MSTP)	HUF	120.012,-	120.012,-	120.012,-	120.012,-	120.012,-	120.012,-
EKCM1LON	BMS card (LonWorks)	HUF	116.751,-	116.751,-	116.751,-	116.751,-	116.751,-	116.751,-

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



NEW	Unit size		EWLQ014KBW1N	EWLQ025KBW1N	EWLQ033KBW1N	EWLQ049KBW1N	EWLQ064KBW1N
	Price	HUF	1.144.389,-	1.535.947,-	1.778.238,-	2.423.985,-	2.872.871,-
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	HUF	69.225,-	69.225,-	69.225,-	69.225,-	69.225,-
OPZL	glycol application to -10°C LWE	HUF	69.225,-	69.225,-	69.225,-	69.225,-	69.225,-
Kit							
EKLS1	low noise kit 5 HP	HUF	1.229.832,-	-	-	-	-
EKLS2	low noise kit 8/10/12 HP	HUF	-	1.621.390,-	1.863.681,-	2.509.428,-	2.958.314,-
EKAC10C ⁽²⁾	BMS address card	HUF	1.192.981,-	1.584.539,-	1.826.830,-	2.472.577,-	2.921.463,-
EKRUMCA ⁽²⁾	remote user interface	HUF	1.234.398,-	1.625.956,-	1.868.247,-	2.513.994,-	2.962.880,-

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
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
Price	HUF	4.480.626,-	4.779.569,-	5.102.811,-	5.446.515,-	5.762.723,-	6.322.882,-	6.821.972,-	6.976.080,-	7.459.504,-	9.023.918,-	10.287.152,-
Commissioning by DAIKIN service (net price)	HUF	96.730,-	96.730,-	96.730,-	96.730,-	96.730,-	96.730,-	96.730,-	96.730,-	96.730,-	96.730,-	96.730,-

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	HUF	Standard										
29	20mm evaporator insulation	HUF											
60	Electronic expansion valve	HUF											
133	Stacked installation	HUF	449.853,-	449.853,-	449.853,-	449.853,-	449.853,-	449.853,-	449.853,-	449.853,-	449.853,-	449.853,-	449.853,-
08	Brine version	HUF	130.448,-	130.448,-	130.448,-	130.448,-	130.448,-	130.448,-	130.448,-	130.448,-	130.448,-	130.448,-	130.448,-
03	Partial heat recovery	HUF	Not available										
126	Discharge and suction line shut-off valve	HUF	217.733,-	217.733,-	217.733,-	217.733,-	217.733,-	217.733,-	217.733,-	217.733,-	217.733,-	217.733,-	217.733,-
127	High and low pressure side manometers	HUF	70.979,-	70.979,-	70.979,-	70.979,-	70.979,-	70.979,-	70.979,-	70.979,-	70.979,-	70.979,-	70.979,-
76-c	Sound proof system (compressors jacket)	HUF	249.705,-	226.046,-	203.665,-	203.665,-	203.665,-	203.665,-	203.665,-	Not available			
76-b	Sound proof system (compressor)	HUF	820.734,-	820.734,-	820.734,-	820.734,-	820.734,-	820.734,-	820.734,-	820.734,-	820.734,-	820.734,-	820.734,-
91	Double pressure relief valve with diverter	HUF	260.576,-	260.576,-	260.576,-	260.576,-	260.576,-	260.576,-	260.576,-	260.576,-	260.576,-	260.576,-	260.576,-
115	Water filter	HUF	136.203,-	136.203,-	136.203,-	136.203,-	136.203,-	136.203,-	136.203,-	136.203,-	136.203,-	136.203,-	214.535,-
122	Evaporator single pump (low lift)	HUF	318.126,-	318.126,-	338.589,-	338.589,-	338.589,-	561.437,-	561.437,-	561.437,-	561.437,-	561.437,-	521.152,-
123	Evaporator single pump (high lift)	HUF	365.446,-	365.446,-	389.105,-	389.105,-	389.105,-	645.845,-	645.845,-	645.845,-	645.845,-	645.845,-	599.165,-
Electrical / Control													
04	Dol starter	HUF	Standard									Not available	
132	Part winidng start	HUF	Not available									Standard	
10	Double setpoint	HUF	Standard										
68	Hour run meter	HUF											
69	General fault contactor	HUF											
97	Main switch interlock door	HUF											
128	Master/Slave	HUF											
06	Soft starter	HUF											
15a	Control expansion pack including (under / over voltage control, setpoint reset, demand limit, alarm from external device, expansion card pol965)	HUF	106.788,-	106.788,-	106.788,-	106.788,-	106.788,-	106.788,-	106.788,-	106.788,-	106.788,-	106.788,-	106.788,-
17	Capacitors for power factor correction	HUF	198.549,-	198.549,-	198.549,-	198.549,-	198.549,-	198.549,-	350.738,-	350.738,-	350.738,-	490.458,-	490.458,-
58	Evaporator flow switch	HUF	61.387,-	61.387,-	61.387,-	61.387,-	61.387,-	61.387,-	61.387,-	61.387,-	61.387,-	61.387,-	61.387,-
95	Compressors circuit breakers	HUF	83.129,-	86.326,-	90.162,-	90.162,-	90.162,-	101.673,-	113.822,-	118.298,-	122.774,-	417.881,-	712.987,-
102	Ground fault relay	HUF	206.223,-	206.223,-	206.223,-	206.223,-	206.223,-	206.223,-	206.223,-	206.223,-	206.223,-	206.223,-	206.223,-
Installation													
75	Rubber anti vibration mounts	HUF	51.795,-	51.795,-	51.795,-	51.795,-	51.795,-	51.795,-	51.795,-	51.795,-	51.795,-	51.795,-	51.795,-
Communication cards / Accessories													
EKCM200J	BMS card (ModBUS-RTU)	HUF	100.445,-	100.445,-	100.445,-	100.445,-	100.445,-	100.445,-	100.445,-	100.445,-	100.445,-	100.445,-	100.445,-
EKCMBA01MSTP	BMS card (BacNet/ MSTP)	HUF	120.012,-	120.012,-	120.012,-	120.012,-	120.012,-	120.012,-	120.012,-	120.012,-	120.012,-	120.012,-	120.012,-
EKCMML0N	BMS card (LonWorks)	HUF	116.751,-	116.751,-	116.751,-	116.751,-	116.751,-	116.751,-	116.751,-	116.751,-	116.751,-	116.751,-	116.751,-

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
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
Price	HUF	8.292.388,-	8.360.489,-	8.967.327,-	9.551.145,-	10.205.302,-	11.039.145,-
Commissioning by DAIKIN service personnel (net price)	HUF	140.679,-	140.679,-	140.679,-	140.679,-	140.679,-	140.679,-

Optional accessories for chiller:

Code	Type of unit	EWLQ-L-SS	180	205	230	260	290	330
Mechanical								
20	Evaporator victaulic kit	HUF	Standard					
29	20mm evaporator insulation	HUF						
60	Electronic expansion valve	HUF						
08	Brine version	HUF	260.576,-	260.576,-	260.576,-	260.576,-	260.576,-	260.576,-
126	Discharge and suction line shut-off valve	HUF	435.785,-	435.785,-	435.785,-	435.785,-	435.785,-	435.785,-
127	High and low pressure side manometers	HUF	141.958,-	141.958,-	141.958,-	141.958,-	141.958,-	141.958,-
76-c	Sound proof system (compressors jacket)	HUF	582.539,-	528.186,-	473.513,-	473.513,-	473.513,-	473.513,-
76-b	Sound proof system (compressor)	HUF	1.641.148,-	1.641.148,-	1.641.148,-	1.641.148,-	1.641.148,-	1.641.148,-
91	Double pressure relief valve with diverter	HUF	389.745,-	389.745,-	389.745,-	389.745,-	389.745,-	389.745,-
115	Water filter	HUF	136.203,-	136.203,-	136.203,-	136.203,-	136.203,-	214.535,-
122	Evaporator single pump (low lift)	HUF	Contact Factory					
123	Evaporator single pump (high lift)	HUF						
Electrical / Control								
04	Dol starter	HUF	Standard					
10	Double setpoint	HUF						
68	Hour run meter	HUF						
69	General fault contactor	HUF						
97	Main switch interlock door	HUF						
128	Master/Slave	HUF	Not available					
132	Part winidng start	HUF						
06	Soft starter	HUF	1.596.387,-	1.462.742,-	1.330.056,-	1.420.858,-	1.512.619,-	1.617.489,-
15a	Control expansion pack including (under / over voltage control, setpoint reset, demand limit, alarm from external device, expansion card POL965)	HUF	106.788,-	106.788,-	106.788,-	106.788,-	106.788,-	106.788,-
17	Capacitors for power factor correction	HUF	364.167,-	364.167,-	364.167,-	364.167,-	364.167,-	364.167,-
58	Evaporator flow switch	HUF	61.387,-	61.387,-	61.387,-	61.387,-	61.387,-	61.387,-
95	Compressors circuit breakers	HUF	164.658,-	171.692,-	178.726,-	178.726,-	178.726,-	202.386,-
102	Ground fault relay	HUF	206.223,-	206.223,-	206.223,-	206.223,-	206.223,-	206.223,-
Installation								
75	Rubber anti vibration mounts	HUF	73.537,-	73.537,-	73.537,-	73.537,-	73.537,-	73.537,-
Communication cards / Accessories								
EKCM200J	BMS card (ModBUS-RTU)	HUF	100.445,-	100.445,-	100.445,-	100.445,-	100.445,-	100.445,-
EKCM200JSTP	BMS card (BacNet/ MSTP)	HUF	120.012,-	120.012,-	120.012,-	120.012,-	120.012,-	120.012,-
EKCM10LON	BMS card (LonWorks)	HUF	116.751,-	116.751,-	116.751,-	116.751,-	116.751,-	116.751,-

iCM is available in two versions:

Standard



(Configuration)



(Basic)

(≤4 MT3 chillers)



(Light/Full)

(≤4/≤8 MT3 chillers & peripherals)

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)

Customised version

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

Standard FULL
Standard LIGHT
Standard BASIC

NEW

intelligent Chiller Manager

iCM Basic⁽¹⁾

only the chiller (without peripheral device) manageable

HUF

EKDICMPAB
1.609.140,-

iCM Light⁽¹⁾, for air/water-cooled chillers

up to 4 primary pumps and up to 4 evaporator shut-off valves manageable

HUF

EKDICMPAL
3.892.872,-

iCM Full⁽¹⁾, for air/water-cooled chillers

up to 8 primary pumps and up to 8 evaporator shut-off valves manageable

HUF

EKDICMPAF
5.797.715,-

iCM Light, for water-cooled chillers

up to 4 chillers plus condenser and evaporator shut-off valves and 4 evaporator pumps and 4 condenser pumps manageable

HUF

EKDICMPWL
on request

iCM Full, for water-cooled chillers

up to 4 chillers plus condenser and evaporator shut-off valves and 8 evaporator pumps and 8 condenser pumps manageable

HUF

EKDICMPWF
on request

iCM Customised

based on *ad hoc* specifications

HUF

on request

Scope and type of equipment which can be controlled by iCM

	Air-cooled	Water-cooled
Chiller (Dedicated/Manifolded)	≤8	≤8
Operating mode	Cooling	Cooling
Evaporator pumps (CSD/VFD) & (Dedicated/Manifolded)	≤8	≤8
Shut-off valves (evaporator side)	≤8	≤8
Bypass valve (evaporator side)	✓	✓
Condenser pumps (CSD/VFD)	-	≤8
Shut-off valves (condenser side)	-	≤8
Bypass valve (condenser side)	-	✓
Cooling tower fans (CSD/VFD)	-	≤(8x3) - Coming soon

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

Notes:

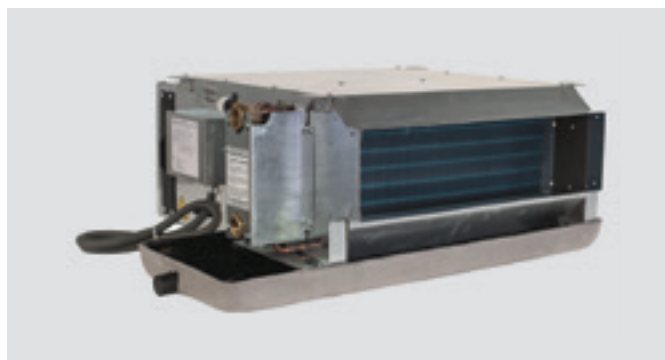
(1)The iCM option is available for the following chiller series: EWAD~TZ (&B), EWAD~T- (B), EWAD~E-, EWAD~D-, EWAQ~G-, EWAQ~E (single), EWAQ~F (dual), EWAD~C-, EWAD~CZ, EWAD~CF, EW_Q-G, EW_Q-L, EWWD~G-, EWLD~G-, EWWD~I-, EWLD~I-, EWWD~J-, EWLD~J-, EWWQ~B-, EWWD~VZ A, EWWD~FZ, DWSC & DWDC;

(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	HUF	71.938,-	81.530,-	88.564,-	115.101,-	124.693,-	145.475,-	174.890,-
FWE**CTV , 2 pipe unit, with 3-ways 230V on/off valve, factory mounted	HUF	124.693,-	133.965,-	140.999,-	167.856,-	177.128,-	197.910,-	227.644,-
FWE**CTT , 2 pipe unit, with 2-ways 230V on/off valve, factory mounted	HUF	101.673,-	111.584,-	117.979,-	145.475,-	154.107,-	174.890,-	204.624,-
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	1195	1559	1753	2177
Sound power level	dB(A)	51	61	58	62	62	64	65
FWE**CF- , 4 pipe unit, standard, without valves	HUF	84.407,-	94.958,-	102.951,-	132.366,-	141.958,-	166.257,-	195.991,-
FWE**CFV , 4 pipe unit, with 3-ways 230V on/off valves, factory mounted	HUF	175.849,-	187.359,-	195.032,-	224.767,-	233.399,-	257.698,-	287.433,-
FWE**CFT , 4 pipe unit, with 2-ways 230V on/off valves, factory mounted	HUF	142.597,-	153.468,-	161.461,-	190.876,-	200.148,-	224.767,-	254.181,-
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	1193	1548	1742	2166
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						
	HUF	30.655,-						
 2 pipes 2-ways on/off 230V valve kit On / Off function, including piping unit		EK2MV2B10C5						
	HUF	22.829,-						
 4 pipes 3-ways on/off 230V valve kit On / Off function, including piping unit		EK4MV3B10C5						
	HUF	52.506,-						
 4 pipes 2-ways on/off 230V valve kit On / Off function, including piping unit		EK4MV2B10C5						
		44.678,-						

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-wire 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	HUF	139.080,-	147.713,-	156.346,-	189.277,-	195.991,-	213.896,-	258.658,-	273.045,-	290.950,-
FWB**BTV , 2 pipe unit, with 3-ways 230V on/off valve, factory mounted	HUF	182.883,-	192.155,-	200.787,-	233.399,-	240.433,-	258.658,-	305.337,-	319.725,-	337.630,-
FWB**BTNE , 2 pipe unit, without valves and electric heater, factory mounted	HUF	223.168,-	232.440,-	242.032,-	282.957,-	290.310,-	308.215,-	359.371,-	373.759,-	391.663,-
FWB**BTVE , 2 pipe unit, with 3-ways 230V on/off valve and electric heater, factory mounted	HUF	267.930,-	276.562,-	285.834,-	327.718,-	334.113,-	352.976,-	406.051,-	420.438,-	438.663,-
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		
	HUF	48.592,-			56.418,-			76.638,-		
	3-way valve add. h/e Actuator 230V included	E2MV307A6						E2MV310A6		
	HUF	50.223,-						50.223,-		
	2-way valve add. h/e Actuator 230V included	E2MV207A6						E2MV210A6		
	HUF	28.046,-						28.046,-		
	Fan stop thermostat Nedeed with controller FWEC1A	YFSTA6								
		5.544,-								

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

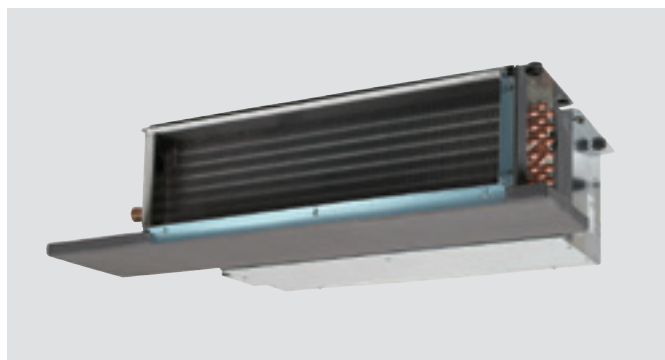
FWE-C, FWB-B

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	FWEC1A								
	HUF	31.308,-								
	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								
	HUF	45.331,-								
	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								
	HUF	61.963,-								
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								
	HUF	46.961,-								
	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								
	HUF	35.221,-								
	Wall mounting kit (spacing collar) for FWEC1A /2A and 3A	FWFCKA								
	HUF	3.914,-								
	Temperature sensor kit for FWEC1A /2A and 3A; with 1.5 meters of cable	FWTSKA								
	HUF	3.914,-								
	Relative humidity sensor kit for FWEC2A and FWEC3A; with 1.5 meters of cable	FWHska								
	HUF	7.175,-								
	Master/Slave interface for connection of max. 4 devices to a remote control; max. 3.2 Amp. operating current per device connection	EPIMSA6								
	HUF	45.625,-								

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-wire 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	HUF	197.910,-	206.542,-	214.535,-	251.304,-	254.181,-	271.447,-
FWP**ATV , 2 pipe unit, with 3-ways 230V on/off valve, factory mounted	HUF	242.032,-	250.664,-	258.658,-	296.065,-	298.943,-	316.208,-
FWP**ATNE , 2 pipe unit, without valves and electric heater, factory mounted	HUF	282.957,-	291.589,-	299.582,-	345.623,-	348.500,-	365.765,-
FWP**ATVE , 2 pipe unit, with 3-ways 230V on/off valve and electric heater, factory mounted	HUF	327.079,-	335.711,-	343.385,-	390.384,-	393.262,-	410.527,-
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)	m³/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		
	HUF		48.592,-		56.418,-		
	3-way valve add. h/e Actuator 230V included		E2MV307A6				
	HUF		50.223,-				
	2-way valve add. h/e Actuator 230V included		E2MV207A6				
	HUF		28.046,-				

Notes:

(1) Cooling: indoor temp. 27°CDB, 19°CWB; entering water temp. 7°C, water temperature rise 5K.

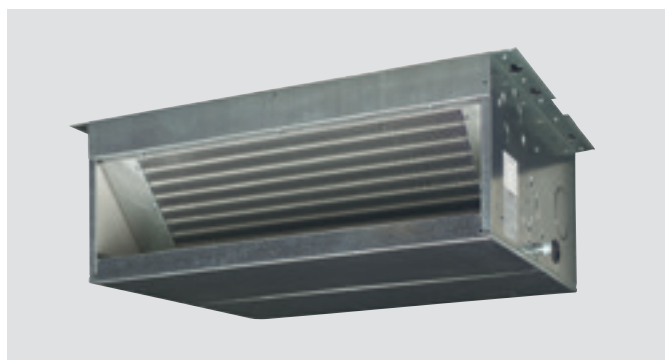
(2) Heating: indoor temp. 20°CDB, 15°CWB; entering water temp. 45°C, water temperature drop 5K.

(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	HUF	224.130,-	240.250,-	401.450,-	424.700,-	438.960,-	459.110,-
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	HUF	252.340,-	275.590,-	435.550,-	456.940,-	479.570,-	506.230,-
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	kW	2,0	3,0		4,5	
	Price	HUF	94.141,-	162.899,-		162.899,-	
	Electric heater high capacity	EDEH04A6		EDEHB06A6		EDEHB10A6	
	Capacity	kW	2,0	6,0		9,0	
	Price	HUF	94.141,-	162.899,-		162.899,-	
	2-pipe 3-way valve	ED2MV04A6		ED2MV10A6			
	Actuator 230V included	HUF	69.789,-	69.789,-			
	4-pipe 3-way valve	ED4MV04A6		ED4MV10A6			
	Actuator 230V included	HUF	134.035,-	134.035,-			
	Vertical drainpan	EDDPV10A6					
		HUF	5.544,-				
	Horizontal drainpan	EDDPH10A6					
		HUF	5.544,-				
	Fresh air intake	EDMFA04A6		EDMFA06A6		EDMFA10A6	
	Servomotor 24V ~ Incl. Positioner 0 ... 100%	HUF	315.031,-	318.945,-		326.771,-	

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

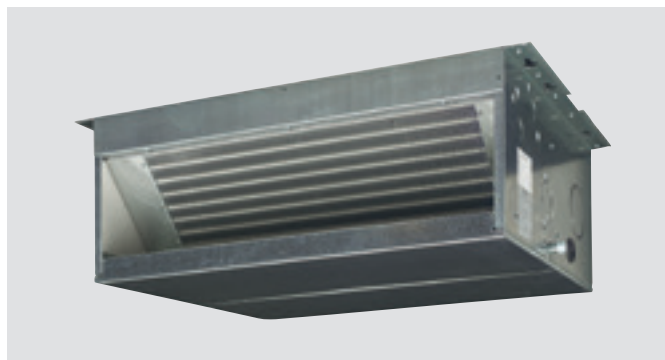
FWP-A, FWN-A

FWP-A		02	03	04	05	06	07		
FWN-A				04	05	06	07	08	010
	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								
	HUF								
	Split type electronic controller 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								
	HUF								
	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								
	HUF								
	Wall mounting kit (spacing collar) for FWEC1A /2A and 3A								
	HUF								
	Temperature sensor kit for FWEC1A /2A and 3A; with 1.5 meters of cable								
	HUF								
	Relative humidity sensor kit for FWEC2A and FWEC3A; with 1.5 meters of cable								
	HUF								

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	HUF	166.257,-	219.012,-	256.419,-	285.195,-	354.255,-	454.329,-	499.730,-
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	1250	1600	1600	2200	3000	3000
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	HUF	195.032,-	254.821,-	297.344,-	329.956,-	415.643,-	526.267,-	576.784,-
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	1250	1600	1600	2200	3000	3000
Sound power level	dB(A)	66	69	72	72	74	78	78

Accessories for FWD		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
		HUF	94.141,-	162.899,-	162.899,-	162.899,-	162.899,-	183.784,-	183.784,-
	Electric heater high capacity	EDEH04A6	EDEHB06A6	EDEHB10A6		EDEHB12A6	EDEHB18A6		
		kW	2,0	6,0	9,0	9,0	9,0	12,0	12,0
		HUF	94.141,-	162.899,-	162.899,-	162.899,-	162.899,-	183.784,-	183.784,-
	2-pipe 3-way valve Actuator 230V included	ED2MV04A6	ED2MV10A6			ED2MV12A6	ED2MV18A6		
		HUF	69.789,-	69.789,-			69.789,-	72.072,-	
		ED4MV04A6	ED4MV10A6			2 x ED2MV12A6	2 x ED2MV18A6		
	4-pipe 3-way valve Actuator 230V included	HUF	134.035,-	134.035,-		139.578,- (2 pcs)	144.144,- (2 pcs)		
			Vertical drainpan		EDDPV10A6			EDDPV18A6	
				HUF	5.544,-			7.175,-	
	Horizontal drainpan		EDDPH10A6			EDDPH18A6			
		HUF	5.544,-			7.175,-			
			Fan stop thermostat		YFSTA6				
HUF	5.544,-								
	Fresh air intake Servomotor 24V ~ Incl. Positioner 0 ... 100%			EDMFA04A6	EDMFA06A6	EDMFA10A6		EDMFA12A6	EDMFA18A6
		HUF	315.031,-	318.945,-	326.771,-		343.078,-	351.883,-	

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	HUF	FWEC1A			FWEC1A EPIB6 requested		
			31.308,-			31.308,-		
	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)	HUF	FWEC2A			FWEC2A EPIB6 requested		
			45.331,-			45.331,-		
	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	HUF	FWEC3A			FWEC3A EPIB6 requested		
			61.963,-			61.963,-		
Split type electronic controller		FWEC3AP+FWEC3AC						
	FWEC3AP 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	HUF	FWEC3AP					
			46.961,-					
	FWEC3AC 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		FWEC3AC					
			35.221,-					
	Wall mounting kit (spacing collar) for FWEC 1A /2A and 3A	HUF	FWFCKA					
			3.914,-					
	Temperature sensor kit for FWEC*A; with 1.5 meters of cable	HUF	FWTSKA					
			3.914,-					
	Relative humidity sensor kit for FWEC2A and FWEC3A; with 1.5 meters of cable	HUF	FWHSKA					
			7.175,-					
	Master/Slave interface for connection of max. 4 devices to a remote control; max. 3.2 Amp. operating current per device connection	HUF	EPIMSA6					
			45.625,-					
	Power interface for using electronic remote controller FWEC(1,2,3)A + new split controller FWEC3A	HUF	-			EPIB6		
						46.309,-		

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-wire device
- › 3-stage fan motor
- › System pressure max. 16 bar
- › Water temperature from + 5 ° C to + 50 ° C (2-wire 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,	HUF	151.230,-	170.733,-	172.971,-
incl. condensate pump, without valves				
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⁾		DCP600TC		
Incl. wireless controller	HUF		49.896,-	
 Standard wired remote control	HUF		MERCA	
			40.113,-	
 Simplified wired remote control			SRC-COA	
(cooling only)	HUF		21.198,-	
 Simplified wired remote control			SRC-HPA	
(heating only)	HUF		21.198,-	
 Wireless control	HUF		WRC-HPC	
			7.826,-	
 2-pipe 3-way valve			MCKCW2T3VN	
Actuator 230V and assembling kit included	HUF		45.331,-	

FWT-C

Fan coil

- › 2-wire 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,	HUF	97.836,-	101.673,-	116.700,-	140.359,-	150.590,-
without valves						
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	1053
Sound power level	dB(A)	45	48	55	55	59

Accessories FWT-C		02	03	04	05	06
 Standard wired remote control	HUF			MERCA		
				40.113,-		
 Simplified wired remote control				SRC-COA		
(cooling only)	HUF			21.198,-		
 Simplified wired remote control				SRC-HPA		
(heating only)	HUF			21.198,-		
 Wireless control	HUF			WRC-HPC		
				7.826,-		

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-wire or 4-wire device
- › System pressure max. 16 bar
- › Water temperature from + 5°C to + 50°C for 2-wire devices
- › Water temperature from + 5°C to + 70°C for 4-wire 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	HUF	300.861,-	329.956,-	349.140,-
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	m³/h	1053	1512	1800
Sound power level	dB(A)	46	57	59
FWG**AF 4 pipe unit , incl, condensate pump, without valves	HUF	328.997,-	359.371,-	377.915,-
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	m³/h	1053	1512	1800
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	HUF	DCP900BTA 51.853,-		
 Decoration Panel / FWG AF 4 pipes include GS02 wireless controller	HUF	DCP900BFA 51.853,-		
 Wired controller	HUF	BRC51A61 31.308,-		
Wireless controller Decoration panel already include	HUF	Type GS02 Decoration panel already included		
 Valve kit 3-ways ON/OFF 230 V 2 pipe version	HUF	VKFWGA012T3V 37.503,-	VKFWGA022T3V 40.765,-	
 Valve kit 3-ways ON/OFF 230 V 4 pipe version	HUF	VKFWGA014T3V 76.638,-	VKFWGA024T3V 79.900,-	

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-wire devices
- › Water temperature from + 5°C to + 70°C for 4-wire 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	HUF	194.393,-	207.502,-	219.012,-	230.522,-
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	HUF	211.658,-	226.046,-	236.277,-	246.188,-
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 39.

(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-wire devices
- › Water temperature from + 5°C to + 70°C for 4-wire 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	HUF	277.841,-	296.705,-	313.331,-	329.956,-
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	1062	1236	1518	1776
Sound power level	dB(A)	43	47	53	57
FWC**BF , 4 pipe unit, incl. condensate pump, without valves	HUF	347.861,-	371.520,-	388.786,-	405.411,-
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	1032	1200	1476	1746
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 39.

FWC-B, FWF-B

Accessories

Options		FWC-B	FWF-B
	Decoration Panel Round Flow Standard	BYCQ140C	-
	HUF	79.681,-	
	Decoration Panel 4-way blow	-	BYFQ60B3
	HUF		77.153,-
	Sealing member of air discharge outlet	KDBHQ55C140	KDBH44BA60
	HUF	31.851,-	41.091,-
	Long-life filter	KAFP551K160	KAFQ441BA60
	HUF	29.090,-	on request
	Panel spacer	-	KDBQ44B60
	HUF		158.732,-
	Fresh air intake kit	CE.KDDQ55C140	KDDQ44XA60
	HUF	136.552,-	49.643,-
	Remote Control Wired	BRC315D ⁽¹⁾	
	HUF	35.221,-	
	Central remote control Up to 64 groups can be controlled with a maximum of 128 devices per group	DCS302C51 ⁽²⁾	
	HUF	526.473,-	
	Electrical box with earth terminal (3 blocks)	KJB311A	
	HUF	24.024,-	
	Unified on/off control Up to 16 device groups can be controlled; operating indication given by LED	DCS301B51 ⁽⁵⁾	
	HUF	277.307,-	
	Electrical box with earth terminal (2 blocks)	KJB212A	
	HUF	23.372,-	
	Schedule timer 2 programmable on/off times per day; power reserve 48 hours	DST301B51 ⁽⁵⁾⁽⁸⁾	
	HUF	277.307,-	
	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.	KRP2A52 ⁽⁴⁾⁽⁸⁾	
	HUF	115.097,-	
	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.	KRP4A53 ⁽⁴⁾⁽⁸⁾	
	HUF	52.489,-	
	Remote control Infrared H/P	BRC7F532F ⁽¹¹⁾	BRC7E530 ⁽¹¹⁾
	HUF	55.876,-	56.201,-
	Remote control Infrared C/O	BRC7F533F ⁽¹¹⁾	BRC7E531 ⁽¹¹⁾
	HUF	39.786,-	92.618,-

FWC-B, FWF-B

Accessories

Options		FWC-B	FWF-B
	Installation box for adapter PCB	KRP1H98 ⁽⁹⁾	KRP1BA101 ⁽⁹⁾
	HUF	16.126,-	22.134,-
	Remote Sensor with 12 meters of cable	KRCS01-4	KRCS01-1
		24.664,-	24.664,-
	Intelligent touch controller Up to 2 device groups can be controlled with a maximum of 64 devices per group	DCS601CS1 ⁽³⁾⁽⁷⁾	
	HUF	584.654,-	
	Electrical installation box	KJB411A	
	HUF	41.634,-	
	Optional PCB for MOD-bus connection	EKFCMBCB ⁽⁴⁾⁽⁸⁾	
	HUF	29.025,-	
	2-way valve - On/Off Actuator 230V and piping unit included	EKMV2C09B ⁽⁴⁾⁽⁶⁾⁽¹⁰⁾	
	HUF	24.133,-	
	3-way valve - On/Off Actuator 230V and piping unit included	EKMV3C09B ⁽⁴⁾⁽⁶⁾⁽¹⁰⁾	
	HUF	27.394,-	
	Valve control PCB	EKRP1C11	
	HUF	25.928,-	
	Remote "On/Off" and "forced off" kit	-	EKRORO ⁽¹²⁾
	HUF		8.806,-
	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	
	HUF	114.781,-	
	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	
	HUF	86.006,-	
	Modbus Interface DIII External control via the building management system; connection to maximum 64 devices	EKMBOXA	
	HUF	785.441,-	

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 KRP1H98 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 KRP1H98 box can be mounted on the unit.
Max. 2 PCB's can be mounted in 1 KRP1H98 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 KRP1H98 + 1 x valve control PCB EKRP1C11
FWC-B - 4-pipe unit: 2 x valve kit + 1 x installation box for PCB KRP1H98 + 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-wire and 4-wire 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	HUF	93.040,-	96.557,-	102.312,-	109.346,-	112.223,-	123.094,-	128.849,-	139.720,-	185.121,-	210.379,-
FWV**DTV , 2 pipe unit, with 3-way on/off 230V valve, factory mounted	HUF	156.985,-	161.461,-	166.257,-	173.611,-	177.128,-	187.998,-	195.032,-	205.903,-	257.059,-	282.317,-
FWV**DATD6V3--- , 2 pipe unit, with simplified 3-way on/off 230V valve, factory mounted	HUF	125.972,-	129.489,-	135.244,-	142.597,-	145.475,-	156.346,-	164.339,-	174.890,-	221.889,-	247.147,-
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	1011	1393
Sound power level	dB(A)	47	49	50	48	48	52	53	56	61	67
FWV**DFN , 4 pipe unit, standard, without valves	HUF	107.428,-	112.223,-	117.339,-	125.972,-	130.448,-	140.359,-	151.230,-	162.740,-	212.297,-	236.916,-
FWV**DFV , 4 pipe unit, with 3-way on/off 230V valves, factory mounted	HUF	223.168,-	228.923,-	234.039,-	242.032,-	247.147,-	257.059,-	267.930,-	278.800,-	334.752,-	360.010,-
FWV**DAFD6V3--- , 4 pipe unit, with simplified 3-way on/off 230V valves, factory mounted	HUF	173.611,-	179.366,-	183.522,-	192.155,-	196.631,-	207.502,-	220.930,-	231.801,-	285.195,-	310.453,-
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	1362
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	HUF	on request									
3-way proportional on/off valves	HUF	on request									
2-way on/off 230V valve	HUF	on request									
2-way on/off 24V valves	HUF	on request									
2-way proportional on/off valve	HUF	on request									
4-rows coil (for 2 pipe unit only)	HUF	on request									
6-speeds fan motor	HUF	-				on request				-	on r.
Electric heater (for 2 pipe unit only)	HUF	on request									

Factory mounted options		01	15	02	25	03	35	04	06	08	10
FWEC1A Standard version	HUF	on request									
FWEC2A Advanced version	HUF	on request									
FWEC3A Advanced Plus version	HUF	on request									
FWEC3AP Power control board	HUF	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 44.

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-wire and 4-wire 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	HUF	97.196,-	102.312,-	108.707,-	113.183,-	120.217,-	129.489,-	136.842,-	146.754,-	197.910,-	223.808,-
FWL**DTV , 2 pipe unit, with 3-way on/off 230V valve, factory mounted	HUF	160.502,-	165.618,-	171.373,-	176.488,-	183.522,-	193.753,-	202.386,-	212.297,-	268.569,-	294.467,-
FWL**DATD6V3--- , 2 pipe unit, with simplified 3-way on/off 230V valve, factory mounted	HUF	129.489,-	134.604,-	140.999,-	146.114,-	153.468,-	162.740,-	171.373,-	181.604,-	234.039,-	259.297,-
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	1011	1393
Sound power level	dB(A)	47	49	50	48	48	52	53	56	61	67
FWL**DFN , 4 pipe unit, standard, without valves	HUF	113.183,-	118.938,-	122.455,-	131.727,-	136.842,-	151.230,-	159.223,-	170.094,-	226.046,-	250.664,-
FWL**DFV , 4 pipe unit, with 3-way on/off 230V valves, factory mounted	HUF	227.644,-	232.440,-	236.916,-	246.188,-	251.304,-	265.691,-	273.685,-	283.596,-	346.262,-	370.881,-
FWL**DAFD6V3--- , 4 pipe unit, with simplified 3-way on/off 230V valves, factory mounted	HUF	178.726,-	183.522,-	187.998,-	197.270,-	202.386,-	216.774,-	227.644,-	238.195,-	297.344,-	321.963,-
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	1362
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	HUF	on request									
3-way proportional on/off valves	HUF	on request									
2-way on/off 230V valve	HUF	on request									
2-way on/off 24V valves	HUF	on request									
2-way proportional on/off valve	HUF	on request									
4-rows coil (for 2 pipe unit only)	HUF	on request									
6-speeds fan motor	HUF	-				on request				-	on r.
Electric heater (for 2 pipe unit only)	HUF	on request									

Factory mounted options		01	15	02	25	03	35	04	06	08	10
FWEC1A Standard version	HUF	on request									
FWEC2A Advanced version	HUF	on request									
FWEC3A Advanced Plus version	HUF	on request									
FWEC3AP Power control board	HUF	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 44.

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-wire and 4-wire 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	HUF	78.333,-	83.448,-	86.326,-	93.040,-	95.918,-	102.951,-	107.428,-	117.339,-	154.747,-	175.849,-
FWM**DTV , 2 pipe unit, with 3-way on/off 230V valve, factory mounted	HUF	142.597,-	147.713,-	150.590,-	156.985,-	159.863,-	168.495,-	173.611,-	184.481,-	226.685,-	247.787,-
FWM**DATD6V3--- , 2 pipe unit, with simplified 3-way on/off 230V valve, factory mounted	HUF	111.584,-	116.700,-	119.577,-	125.972,-	128.849,-	136.203,-	142.597,-	152.509,-	191.515,-	212.297,-
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	m³/h	319	344	344	442	442	640	706	785	1011	1393
Sound power level	dB(A)	47	49	50	48	48	52	53	56	61	67
FWM**DFN , 4 pipe unit, standard, without valves	HUF	93.679,-	97.836,-	100.713,-	110.305,-	113.822,-	123.094,-	130.448,-	139.720,-	182.243,-	203.665,-
FWM**DFV , 4 pipe unit, with 3-way on/off 230V valves, factory mounted	HUF	210.379,-	214.535,-	217.413,-	226.685,-	229.563,-	239.154,-	247.147,-	255.780,-	305.337,-	327.079,-
FWM**DAFD6V3--- , 4 pipe unit, with simplified 3-way on/off 230V valves, factory mounted	HUF	159.863,-	164.339,-	167.856,-	177.128,-	180.005,-	189.277,-	200.148,-	208.780,-	254.821,-	276.562,-
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	m³/h	307	330	327	432	431	628	690	763	998	1362
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	HUF	on request									
3-way proportional on/off valves	HUF	on request									
2-way on/off 230V valve	HUF	on request									
2-way on/off 24V valves	HUF	on request									
2-way proportional on/off valve	HUF	on request									
4-rows coil (for 2 pipe unit only)	HUF	on request									
6-speeds fan motor	HUF	-				on request			-		on r.
Electric heater (for 2 pipe unit only)	HUF	on request									
FWEC3AP - power control board	HUF	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 44.

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.

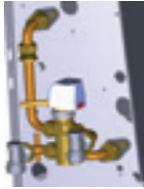
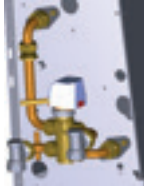
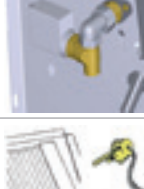
Controller FWEC3A is necessary for proportional valve.

Cooling capacity is related to High Speed, standard unit.

Accessories as a kit 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			
		HUF	20.219,-		24.133,-		26.741,-		35.221,-				
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										
HUF	82.182,-		82.182,-		87.074,-		92.292,-		95.553,-				
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			
		HUF	65.876,-				65.876,-		69.789,-				
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			
		HUF	119.034,-				119.034,-		125.229,-				
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					
		HUF	28.046,-				28.046,-						
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									
		HUF	28.046,-										
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			
		HUF	38.483,-				39.134,-		40.113,-				
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			
		HUF	71.420,-				72.725,-		73.703,-				
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			
		HUF	65.876,-				65.876,-		69.789,-				

FWV – FWL – FWM

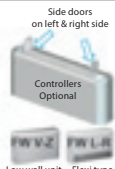
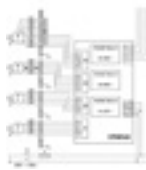
Accessories

Accessories as a kit 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	
	HUF			119.034,-				119.034,-		125.229,-	
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	
	HUF			105.010,-				102.727,-		105.663,-	
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	
	HUF			192.084,-				193.389,-		195.020,-	
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	
	HUF			28.046,-						28.046,-	
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							
	HUF			28.046,-							
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	
	HUF			72.725,-						72.725,-	
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							
	HUF			72.725,-							
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							
	HUF			5.544,-							
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	
	HUF			56.418,-		68.159,-		88.378,-		105.010,-	

Accessories as a kit for FWV/FWL/FWM					01	15	02	25	03	35	04	06	08	10			
Supporting feet		Kit contains:															
			ESFV	ESFVG	FWV	FWM	ESFV06A6								ESFV10A6		
			2	2	✓	✓											
Supporting feet & grille			2	2	✓	-	HUF								7.175,-	7.175,-	
			0	1	✓	-	ESFVG02A6								ESFVG03A6	ESFVG06A6	ESFVG10A6
			4,2 x 13 mm	4	8	✓	✓										
			2,9 x 9,5 mm	4	4	✓	✓	HUF								10.109,-	12.393,-
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	
					HUF								24.133,-	26.741,-	29.677,-	32.938,-	
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											ERP02A6	ERP03A6	ERP06A6	ERP10A6	
					HUF								12.393,-	13.371,-	16.306,-	20.219,-	
Plenum box with circular connections (only for FWM-D)		Unit size	Plenum box	Ø [mm] x n													
		Size 01-02	EPCC02A6	180 x 2									EPCC02A6	EPCC03A6	EPCC06A6	EPCC10A6	
		Size 25-03	EPCC03A6	180 x 2													
		Size 35-06	EPCC06A6	180 x 3													
		Size 08-10	EPCC10A6	180 x 4	HUF								29.025,-	31.960,-	40.765,-	55.766,-	
Vertical auxiliary drainpan		Install it to collect condensation. Used for vertical FCUs											EDPVB6				
					HUF								2.283,-				
Horizontal auxiliary drainpan		Install it to collect condensation. Used for horizontal FCUs											EDPHB6				
					HUF								2.283,-				
Controller electro-mechanical, Built in		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											ECFWMB6				
					HUF								45.625,-				
Wired remote controller, Standard version		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)											FWEC1A				
					HUF								31.308,-				
Wired remote controller, Advanced version		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											FWEC2A				
					HUF								45.331,-				
Wired remote controller, Advanced Plus version		All functionality of FWEC2A, but additionally: - Management of BLDC fan motor - Management of proportional valve - Weekly timer programmed operating mode - Configurable digital outputs											FWEC3A				
					HUF								61.963,-				

FWV – FWL – FWM

Accessories

Accessories as a kit for FWV/FWL/FWM		01	15	02	25	03	35	04	06	08	10
Split type controller		Power control board									
		HUF	FWECSAP 46.961,-								
		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)									
		HUF	FWECSAC 35.221,-								
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									
		HUF	FWECKA 5.544,-								
Wall mounting kit (spacing collar), for FWEC 1A /2A and 3A		Wall mounting kit (spacing collar), for FWEC 1A /2A and 3A									
		HUF	FWFCKA 3.914,-								
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 vlave installation)									
		HUF	FWTSKA 3.914,-								
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.									
		HUF	FWHСКА 7.175,-								
Master / Slave interface		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.									
		HUF	EPIMSA6 45.625,-								

FWZ-A

Fan coil with DC fan motor

- › 2-wire and 4-wire 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	HUF	153.468,-	162.101,-	187.998,-	234.678,-
FWZ**ATV , 2 pipe unit, with 3-way on/off 230V valve, factory mounted	HUF	216.774,-	225.406,-	252.902,-	305.337,-
FWZ**AATD6V3--- , 2 pipe unit, with simplified 3-way on/off 230V valve, factory mounted	HUF	185.760,-	195.032,-	222.529,-	270.807,-
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
FWZ**AFN , 4 pipe unit, standard, without valves	HUF	167.216,-	177.767,-	210.379,-	258.658,-
FWZ**AFV , 4 pipe unit, with 3-way on/off 230V valves, factory mounted	HUF	281.678,-	291.589,-	324.841,-	378.874,-
FWZ**AAFD6V3--- , 4 pipe unit, with simplified 3-way on/off 230V valves, factory mounted	HUF	232.440,-	242.671,-	278.800,-	329.956,-
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	1200	1660
Sound power level	dB(A)	62	70	64	71

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

Factory mounted options		02	03	06	08
FWEC3A Advanced Plus version	HUF	on request			
FWEC3AP power control board	HUF	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 51.

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-wire and 4-wire 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	HUF	159.863,-	173.611,-	200.148,-	255.780,-
FWR**ATV , 2 pipe unit, with 3-way on/off 230V valve, factory mounted	HUF	223.168,-	236.916,-	265.691,-	326.120,-
FWR**AATD6V3--- , 2 pipe unit, with simplified 3-way on/off 230V valve, factory mounted	HUF	193.114,-	205.903,-	234.678,-	291.589,-
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
FWR**AFN , 4 pipe unit, standard, without valves	HUF	175.849,-	188.638,-	221.889,-	282.317,-
FWR**AFV , 4 pipe unit, with 3-way on/off 230V valves, factory mounted	HUF	289.351,-	303.099,-	336.351,-	402.534,-
FWR**AAFD6V3--- , 4 pipe unit, with simplified 3-way on/off 230V valves, factory mounted	HUF	240.433,-	254.181,-	290.310,-	353.616,-
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	1200	1660
Sound power level	dB(A)	62	70	64	71

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

Factory mounted options		02	03	06	08
FWEC3A Advanced Plus version	HUF	on request			
FWEC3AP power control board	HUF	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 51.

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-wire and 4-wire 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	HUF	137.482,-	146.754,-	168.495,-	210.379,-
FWS**ATV , 2 pipe unit, with 3-way on/off 230V valve, factory mounted	HUF	200.787,-	209.420,-	234.039,-	280.719,-
FWS**AATD6V3--- , 2 pipe unit, with simplified 3-way on/off 230V valve, factory mounted	HUF	170.094,-	179.366,-	203.025,-	246.188,-
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	HUF	151.869,-	164.978,-	188.638,-	236.277,-
FWS**AFV , 4 pipe unit, with 3-way on/off 230V valves, factory mounted	HUF	265.691,-	278.800,-	303.099,-	356.493,-
FWS**AAFD6V3--- , 4 pipe unit, with simplified 3-way on/off 230V valves, factory mounted	HUF	216.774,-	229.563,-	257.059,-	307.575,-
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	1200	1660
Sound power level	dB(A)	62	70	64	71

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

Factory mounted options		02	03	06	08
FWEC3A Advanced Plus version	HUF	on request			
FWEC3AP power control board	HUF	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 51.

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

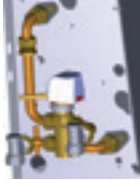
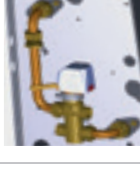
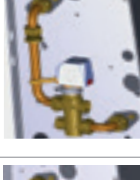
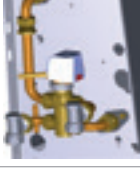
Independent power supply is necessary for 24 V valve. FWEC3A are not suitable to control 24 V valve.

Controller FWEC3A is necessary to control DC fan motor.

Cooling capacity is related to High Speed, standard unit.

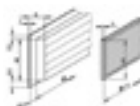
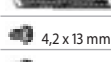
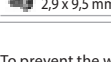
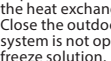
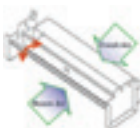
FWZ - FWR - FWS

Accessories

Accessories as a kit for FWZ/FWR/FWS				02	03	06	08
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	HUF	ESRH02A6	ESRH03A6	ESRH06A6	ESRH10A6
				20.219,-	24.133,-	26.741,-	35.221,-
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)	HUF	EEH02A6	EEH03A6	EEH06A6	EEH10A6
2-pipe 3-ways 230V on/off valve kit		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	HUF	E2MV03A6		E2MV06A6	E2MV10A6
4-pipe 3-ways 230V 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 230V - total opening time cca 4 minutes - NC (Normally Closed) 3/ Thermal insulation on pipes and valve 4/ 4pcs of lockshield valve	HUF	E4MV03A6		E4MV06A6	E4MV10A6
2-ways 230V 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 230V - total opening time cca 4 minutes - NC (Normally Closed) 3/ without thermal insulation 4/ NO lockshield /shut of valve in the kit	HUF	E2MV2B07A6			E2MV2B10A6
2-ways 230V 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 230V - total opening time cca 4 minutes - NC (Normally Closed) 3/ without thermal insulation 4/ NO lockshield /shut of valve in the kit	HUF	E2MV2B07A6			
2-pipe simplified 3-ways 230V on/off valve kit		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	HUF	E2MVD03A6		E2MVD06A6	E2MVD10A6
4-pipe simplified 3-ways 230V 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 230V - total opening time cca 4 minutes - NC (Normally Closed) 3/ without thermal insulation 4/ NO lockshield /shut of valve in the kit	HUF	E4MVD03A6		E4MVD06A6	E4MVD10A6
2-pipe 3-ways 24V on/off valve kit		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	HUF	E2M2V03A6		E2M2V06A6	E2M2V10A6

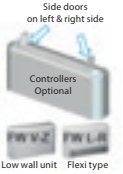
FWZ - FWR - FWS

Accessories

Accessories as a kit 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															
		HUF	119.034,-		119.034,-	125.229,-															
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																
		HUF	28.046,-		28.046,-																
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																		
		HUF	28.046,-																		
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															
		HUF	56.418,-	68.159,-	88.378,-	105.010,-															
Supporting feet		Kit contains: <table><tr><th></th><th>ESFV</th><th>ESFVG</th><th>FWZ</th><th>FWS</th></tr><tr><td></td><td>2</td><td>2</td><td>✓</td><td>✓</td></tr></table>		ESFV	ESFVG	FWZ	FWS		2	2	✓	✓	ESFV06A6		ESFV10A6						
			ESFV	ESFVG	FWZ	FWS															
	2	2	✓	✓																	
		HUF	7.175,-		7.175,-																
Supporting feet & grille			2	2	✓	-															
			0	1	✓	-															
			4,2 x 13 mm	4	8	✓	✓														
			2,9 x 9,5 mm	4	4	✓	✓														
		HUF	10.109,-	12.393,-	14.023,-	19.568,-															
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															
		HUF	24.133,-	26.741,-	29.677,-	32.938,-															
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	ERP02A6	ERP03A6	ERP06A6	ERP10A6															
		HUF	12.393,-	13.371,-	16.306,-	20.219,-															
Plenum box with circular connections (only for FWS-A)		<table><tr><th>Unit size</th><th>Plenum box</th><th>Ø [mm] x n</th></tr><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></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																			
	HUF	29.025,-	31.960,-	40.765,-	55.766,-																
Vertical auxiliary drainpan		Install it to collect condensation. Used for vertical FCUs	EDPVB6																		
		HUF	2.283,-																		
Horizontal auxiliary drainpan		Install it to collect condensation. Used for horizontal FCUs	EDPHB6																		
		HUF	2.283,-																		

FWZ - FWR - FWS

Accessories

Accessories as a kit for FWZ/FWR/FWS		02	03	06	08
Wired remote controller, Advanced Plus version 	All functionality of FWEC1A/2A (see page 30), but additionally: - Management of BLDC fan motor - Management of proportional valve - Weekly timer programmed operating mode - Configurable digital outputs			FWEC3A	
	HUF			61.963,-	
Split type controller 	Power control board			FWEC3AP	
	HUF			46.961,-	
	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	
	HUF			35.221,-	
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	
	HUF			5.544,-	
Wall mounting kit (spacing collar), for FWEC 1A /2A and 3A 	Wall mounting kit (spacing collar), for FWEC 1A /2A and 3A			FWFCKA	
	HUF			3.914,-	
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	
				3.914,-	
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	
	HUF			7.175,-	

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	HUF	1.035.400,-	1.127.470,-	1.448.940,-

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	HUF	1.293.940,-	1.797.690,-	2.096.220,-

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)	• (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	HUF207.743,-	231.458,-

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 HUF
	Minimum	Maximum	ERQ100-	ERQ125-	ERQ140-	ERQ200-	ERQ250-	
EKEXV63	6,3	7,8	•	•				49.960,-
EKEXV80	7,9	9,9	•	•	•			52.805,-
EKEXV100	10,0	12,3	•	•	•	•		55.335,-
EKEXV125	12,4	15,4	•	•	•	•	•	58.813,-
EKEXV140	15,5	17,6		•	•	•	•	60.394,-
EKEXV200	17,7	24,6				•	•	66.086,-
EKEXV250	24,7	30,8				•	•	69.880,-

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 HUF
BRC1D52	Basic wired remote controller with weekly timer	•	•	33.517,-
BRC1E53A	Standard wired remote controller with full-text interface and back-light with new energy saving, sound minimization & duty rotation functions for Austria		•	44.584,-
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		•	44.584,-
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		•	44.584,-
KRP4A51	Adaptor for external monitoring/control	•		52.489,-
RTD-20	Adaptor for external monitoring/control with 0-10VDC linear capacity control	•		137.547,-
KRC501-1	External room temperature sensor	•		24.664,-
KRC19-26	Mechanical cool/heat selector	•	•	18.023,-
KJB111A	Fixing box for cool/heat selector	•	•	8.221,-

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)	m3/h		2.200	2.700	3.200	3.600	4.100	4.700	5.500	6.200
Expansion valve kit	Type			EKEXV80	EKEXV100	EKEXV125	EKEXV125	EKEXV140	EKEXV200	EKEXV200	EKEXV250
Control box	Number						1				
	Type						EKEQFCBA				
	Number						1				
Outdoor unit	Type			ERQ100AV1		ERQ125AV1		ERQ140AV1		ERQ200AW1	ERQ250AW1
	Number						1				
Energy Rating	Eurovent Energy Class			A+		A		A+		A	
	ERP Compliance										
Heat Recovery Technology	Winter	Nom.	%								
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/(m3/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										
Dimensions	Unit	Height	mm		1.540				1740		
		Width	mm		2.500			2.620		2.780	
		Depth	mm		990			1.200		1.400	
Weight		Kg			549			659		840	
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⁾	m3/h		6.900	7.400	8.000	8.700	10.000	11.500	13.200	14.900
Expansion valve kit	Type			EKEXV250		EKEXV140		EKEXV200		EKEXV250	EKEXV250
	Number			1				2			
Control box	Type							EKEQFCBA			
	Number			1				2			
Outdoor unit	Type			ERQ250AW1		ERQ140AV1		ERQ200AW1		ERQ250AW1	
	Number			1		2		2		2	
Energy Rating	Eurovent Energy Class			A	A+		A		A+	A	A+
	ERP Compliance										
Heat Recovery Technology	Winter	Nom.	%								
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/(m3/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										
Dimensions	Unit	Height	mm		1920			2.180		2.460	2.570
		Width	mm	2.980		3.100		3.150		2.980	3.100
		Depth	mm	1.400		1.600			1940		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 aluminium 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 aluminium 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



Result sp65		Eurovent Classification according to EN1886				
D1	Casing strength class	D1	D2	D3		
	Max. relative deflection mm x m ⁻¹	4.00	10.00	EXCEEDING10		
L1	Casing air leakage class at -400 Pa	L1	L2	L3		
	Max. leakage rate (f ₄₀₀) l x s ⁻¹ x m ⁻²	0.15	0.44	1.32		
L1	Casing air leakage class	L1	L2	L3		
	Max. leakage rate (f ₇₀₀) l x s ⁻¹ x m ⁻²	0.22	0.63	1.90		
F9	Filterbypass 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) W/m ² x K	U ≤ 0.5	0.5 < U ≤ 1	1 < U ≤ 1.4	1.4 < U ≤ 2	No requirements
TB2	Thermal bridging factor	TB1	TB2	TB3	TB4	TB5
	(k _b) W x m ⁻² x K-1	0.75 < K _b ≤ 1	0.6 < K _b ≤ 0.75	0.45 < K _b ≤ 0.6	0.3 < K _b ≤ 0.45	No requirements

ALB-R/LB

Premium efficiency heat recovery ventilation unit

- › 6 Predefined sizes
- › Compliant with VDI 6022
- › Exceeding ERP 2018 requirement
- › Inverter driven with IE4 premium efficiency motor
- › Up to 700 Pa max. ESP, depending on the model size and airflow
- › Premium quality counter flow plate heat exchanger
- › High grade aluminum allowing high grade corrosion protection
- › Standard units below are provided with: Siemens (Microtech) controller, aluminium counterflow plate heat exchanger, F7 filter on supply air , M5 filter on return air, step panel 50 mm of thickness mineral wool insulated



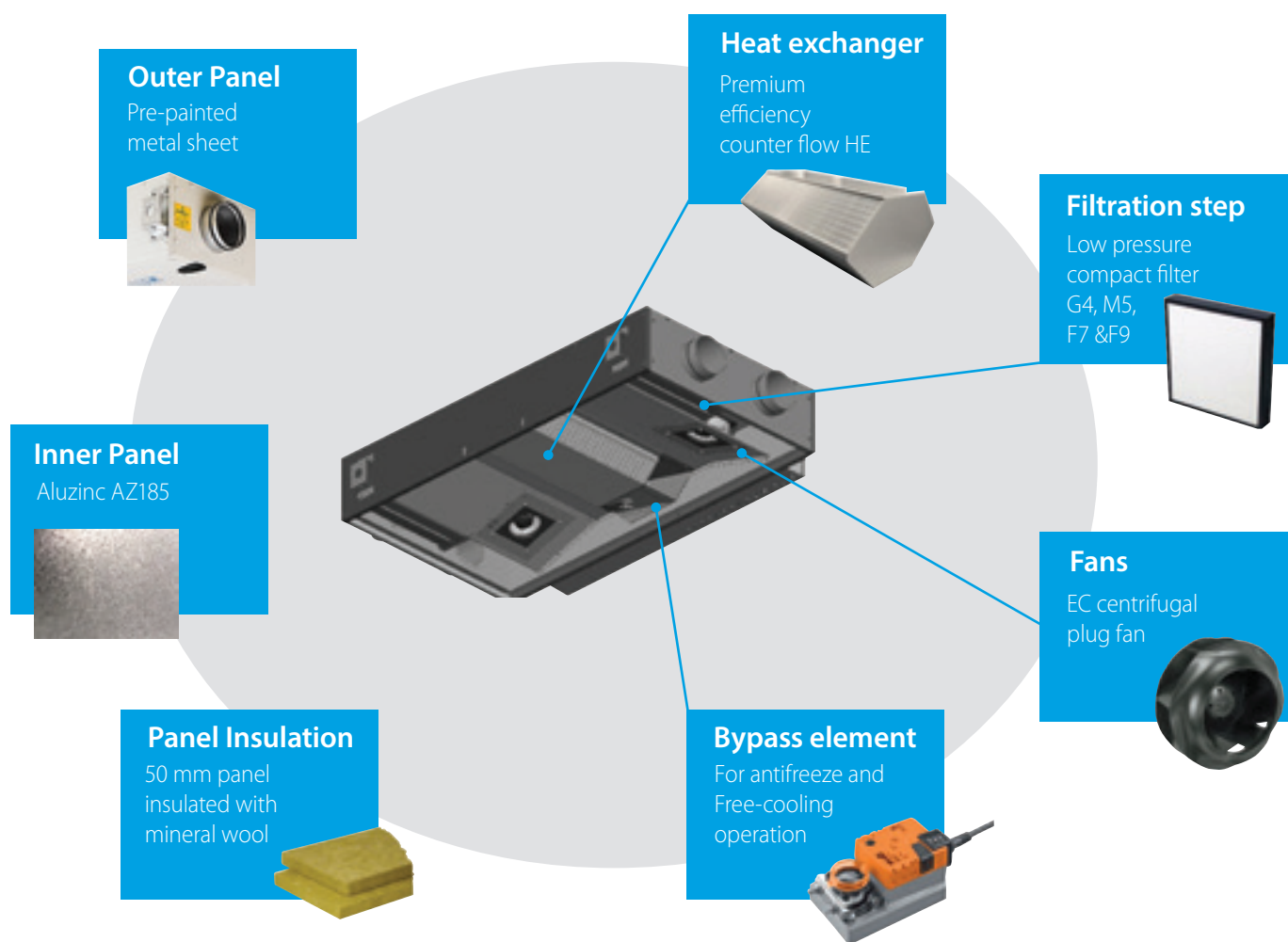
NEW

ALB-R/LB ⁽¹⁾			02	03	04	05	06	07
Price	HUF		1.821.870,-	2.148.610,-	2.819.450,-	3.149.600,-	4.032.170,-	4.291.330,-
Airflow	m³/h		300	600	1200	1500	2500	3000
Thermal efficiency	%		89	89	89	89	90	89
External static pressure	Nom. Pa		100	100	100	100	100	100
Current	Nom. A		0,49	1,09	2,17	2,72	5,28	6,52
Power input	Nom. kW		0,11	0,25	0,5	0,63	1,22	1,5
SFPv	kW/m³/s		1,35	1,5	1,5	1,5	1,75	1,8
Max ESP	Nom. Pa		300	700	500	350	550	450
Electrical supply	Phase	ph	1	1	1	1	1	1
	Frequency	Hz	50	50	50	50	50	50
	Voltage	V	230	230	230	230	230	230
Dimensions unit	Width	mm	920	1100	1600	1600	2000	2000
	Height	mm	280	350	415	415	500	500
	Length	mm	1660	1800	2000	2000	2000	2000
Weight unit	kg		125	180	270	280	355	360

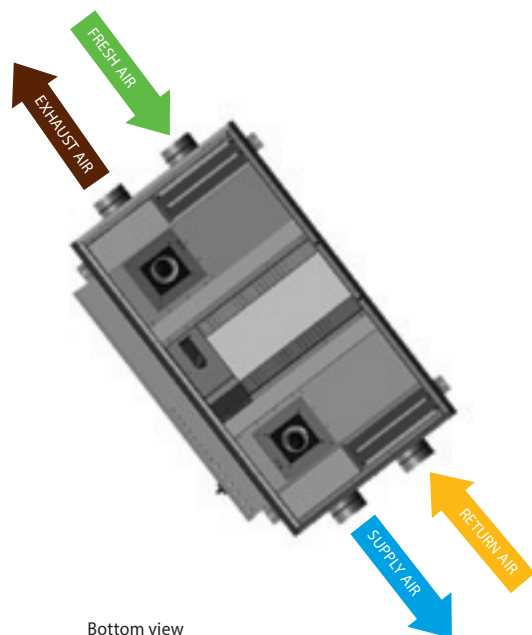
Accessories for ALB-R/LB			02	03	04	05	06	07
	Compact filter		ALF02G4A	ALF03G4A	ALF05G4A		ALF07G4A	
		HUF	8.370,-	9.920,-	12.400,-		13.640,-	
			ALF02M5A	ALF03M5A	ALF05M5A		ALF07M5A	
		HUF	25.110,-	34.410,-	47.430,-		57.350,-	
			ALF02F7A	ALF03F7A	ALF05F7A		ALF07F7A	
		HUF	26.040,-	36.890,-	48.360,-		58.280,-	
	Silencer 900 mm depth		ALF02F9A	ALF03F9A	ALF05F9A		ALF07F9A	
		HUF	28.210,-	39.060,-	51.150,-		59.830,-	
			ALS0290A	ALS0390A	ALS0590A		ALS0790A	
	Probes - CO2		ALP00COA					
		HUF	212.660,-					
	Probes - Humidity (%RH)		ALP00HUA					
		HUF	122.450,-					
	Probes - Temperature		ALP00TEA					
		HUF	25.110,-					
	Coil module - Electric pre - heating		ALD02HEFA	ALD03HEFA	ALD05HEFA		ALD07HEFA	
		HUF	566.370,-	590.860,-	787.710,-		1.031.680,-	
	Coil module - Electric post - heating		ALD02HESA	ALD03HESA	ALD05HESA		ALD07HESA	
		HUF	574.740,-	605.430,-	936.200,-		1.031.680,-	
	Coil module - Water cooling (post - heating)		ALD02CWSA	ALD03CWSA	ALD05CWSA		ALD07CWSA	
		HUF	377.270,-	436.170,-	526.690,-		721.060,-	
	Coil module - Water heating (pre/post - heating)		ALD02HWUA	ALD03HWUA	ALD05HWUA		ALD07HWUA	
		HUF	170.810,-	179.180,-	254.820,-		351.230,-	
	Rail		ALA02RLA	ALA03RLA	ALA05RLA		ALA07RLA	
		HUF	59.830,-	64.170,-	72.850,-		78.740,-	
	2-way valve water heating		ALV02HW2A	ALV03HW2A	ALV05HW2A		ALV07HW2A	
		HUF	22.940,-	25.110,-	33.790,-		36.890,-	
	3-way valve water heating		ALV02HW3A	ALV03HW3A	ALV05HW3A		ALV07HW3A	
		HUF	28.210,-	33.790,-	36.890,-		39.060,-	
	2-way valve water cooling		ALV02CW2A	ALV03CW2A	ALV05CW2A		ALV07CW2A	
		HUF	22.940,-	25.110,-	33.790,-		36.890,-	
	3-way valve water cooling		ALV02CW3A	ALV03CW3A	ALV05CW3A		ALV07CW3A	
		HUF	28.210,-	33.790,-	36.890,-		39.060,-	
	Modulating actuator		ALE00AMVA					
		HUF	On request					
	Module Bacnet Pol 908		ALC00908A					
		HUF	On request					
	Module Modbus Pol 902		ALC00902A					
		HUF	On request					
	Pol 822 Room unit		ALC00822A					
		HUF	On request					
	Module Pol 895 (Commissioning tool)		ALC00895A					
		HUF	on request					

Notes: (1) Preliminary data; R= right connection and L= left connection; nominal condition: Outdoor: -10°C,90% Indoor: 22°C,50%

Modular Light unique features



Accessories



Possible position of the element		FRESH AIR ↓	SUPPLY AIR ↑	EXHAUST AIR ↑	RETURN AIR ↓
	Compact filter	✓			✓
	Silencer	✓	✓	✓	✓
	CO2 sensor				✓
	Humidity sensor		✓		✓
	Electric coil	✓	✓		
	Water coil (2&3 way valve)	✓*	✓		

* Heating only

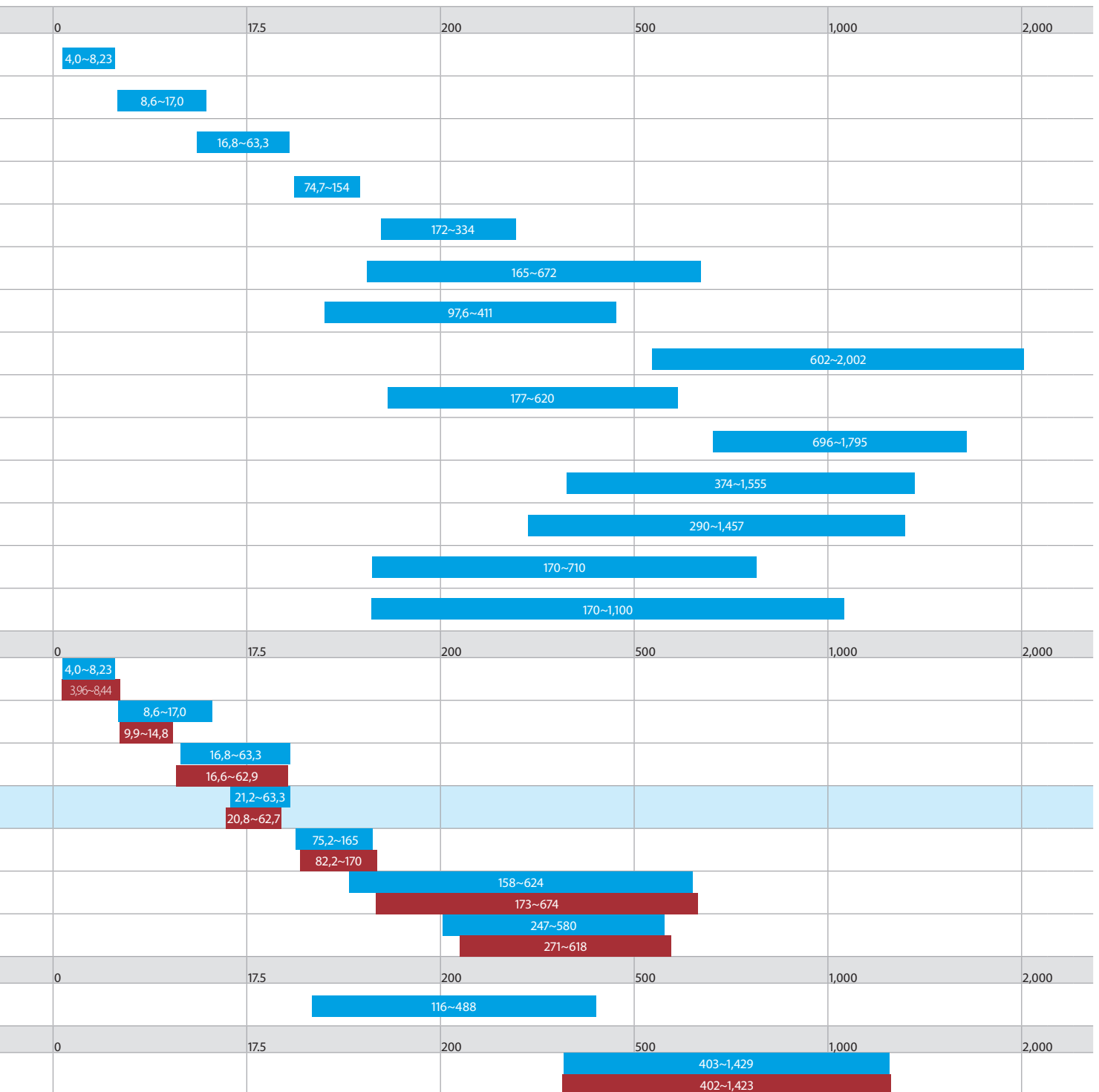
Products overview

	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	High ambient	Standard	Low	Reduced	Extra low			
Cooling only																				
EWAQ~BVP	NEW		R-410A	1																
EWAQ~ACV3/ACW1			R-410A	1																
EWAQ~CWN/P	NEW		R-410A	1-2																
EWAQ~G-			R-410A	1																
EWAQ~E-			R-410A	1																
EWAQ~F-			R-410A	2																
EWAD~E- (Not EU Compliant)			R-134a	1																
EWAD~C- (Not all models EU Compliant)			R-134a	2-3																
EWAD~D- (Not EU Compliant)			R-134a	2																
EWAD~CZ			R-134a	2-3																
EWAD~CF			R-134a	2																
EWAD~T-B	NEW		R-134a	2																
EWAD~TZ			R-134a	1-2																
EWAD-TZ B			R-134a	1-2																
Heat pump																				
EWYQ~BVP	NEW		R-410A	1																
EWYQ~ACV3/ACW1			R-410A	1																
EWYQ~CWN/P	NEW		R-410A	1-2																
SEHVX-BW SERHQ-BW1			R-410A	1																
EWYQ~G-			R-410A	1																
EWYQ~F-			R-410A	1-2																
EWYD~BZ			R-134a	2-3																
Condensing unit																				
ERAD~E-			R-134a	1																
Heat recovery																				
EWYD~4Z A	NEW		R-134a	2																

*Note: blue cells combination to be confirmed

Cooling capacity (kW)

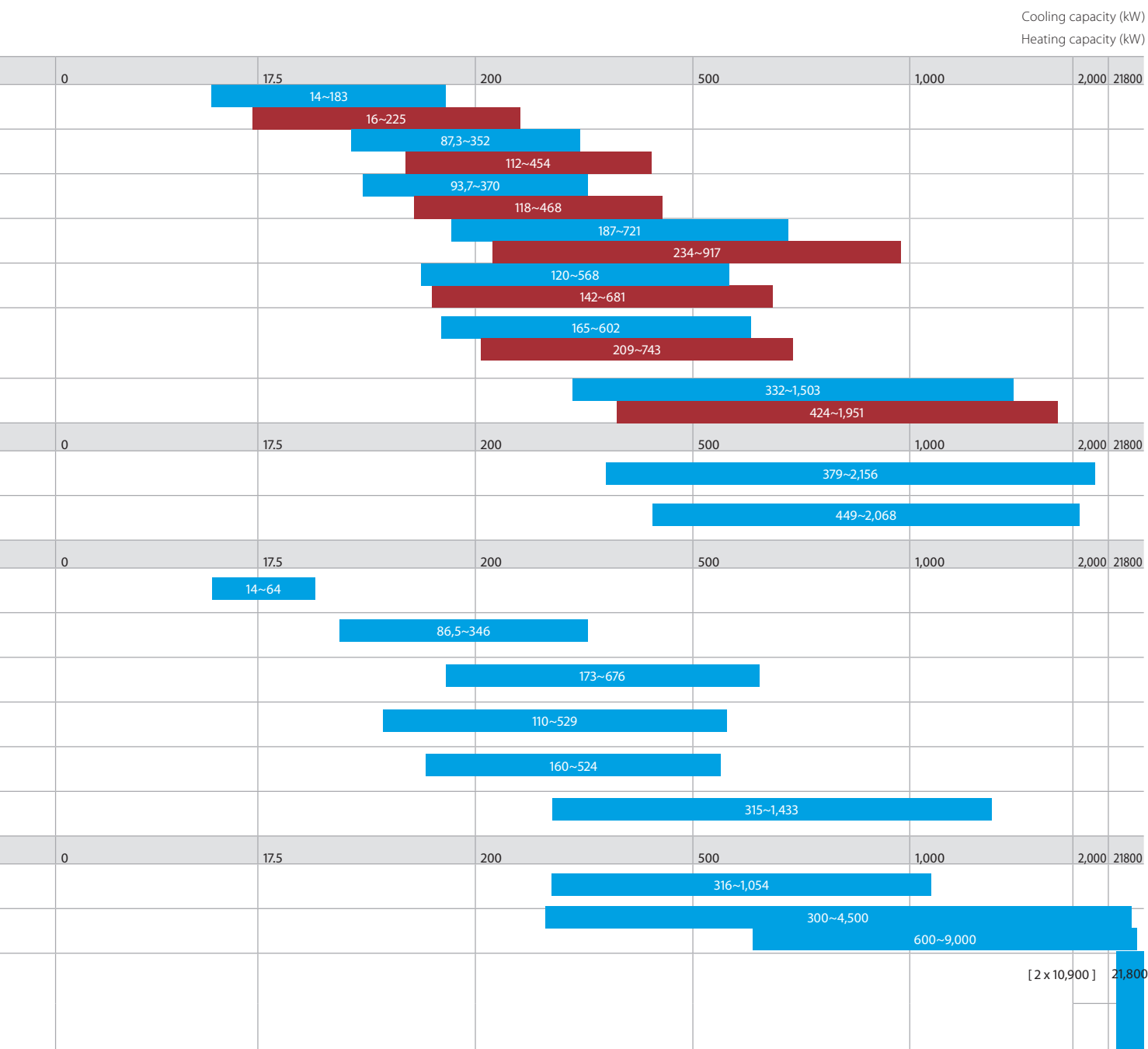
Heating capacity (kW)



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)														
EWWD~KBW1N 	R-410A	1-2-4-6												
EWHD~G- 	R-410A	1												
EWWD~G- 	R-410A	1												
EWWD~L- 	R-410A	2												
EWWD~J- (Not EU Compliant from 310 to 560) 	R-134a	1-2												
EWWD~G- (EWWD~G-SS not EU Compliant from 320 to 600; EWWD320G-XS not EU compliant) 	R-134a	1-2												
EWWD~I- (Not EU Compliant) 	R-134a	1-2-3												
Water cooled chillers (Cooling only)														
EWWD~B- (Not EU Compliant) 	R-410A	1-2												
EWWD~VZ 	R-134a	1							 Flooded					
Condenserless chillers														
EWLQ~KBW1N 	R-410A	1-2					 BPHE							
EWLQ~G- 	R-410A	1												
EWLQ~L- 	R-410A	2												
EWLD~J- 	R-134a	1-2												
EWLD~G- 	R-134a	1-2												
EWLD~I- 	R-134a	1-2-3												
Water cooled centrifugal chillers														
EWWD~FZ 	R-134a	1						 Flooded						
DWSC DWDC 	R-134a	1	optional					 Flooded						
6,000 RT CENTRIFUGAL 	R-134a	2 per chiller						 Flooded						

* (GWP): R-410A (2087.5); R-134a (1430); R-407C (1773.9) ** BPHE: Brazed plate heat exchanger



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
	Heat recovery	7 °C / 12 °C water	40°C / 45°C heat recovery	35 °C ambient temp
Condenserless units	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	on-coil temperature: 27 °CDB / 19 °CWB
	Heating:	condensing temperature: 46 °C	outdoor 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)		

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



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



Intelligent remote monitoring



Upgrading / optimisation

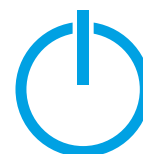
Keep the installation in top condition



Care Packages

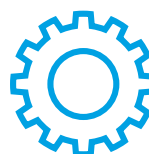


Installation support



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				Material Number	COMMISSIONING PRICE [HUF]
Type	Nr. of circuits	Nr. of compressors	Vompressor 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	13.950,-
Labour hour service engineer +50%	CE.S_LA_HOUR50	20.925,-
Labour hour service engineer +100%	CE.S_LA_HOUR100	27.900,-
Labour hour service foreman	CE.S_LA_FOR	20.150,-
Labour hour project design	CE.S_LA_PRO	20.150,-
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	220,-
Flat travel fee per case	CE.S_TR_CASE	1,-
Special travel cost (plane, ferry...)	CE.S_TR_SPEC	1,-
Travel zone 1	CE.S_TR_Z1	12.900,-
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	13.950,-
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	104.625,-

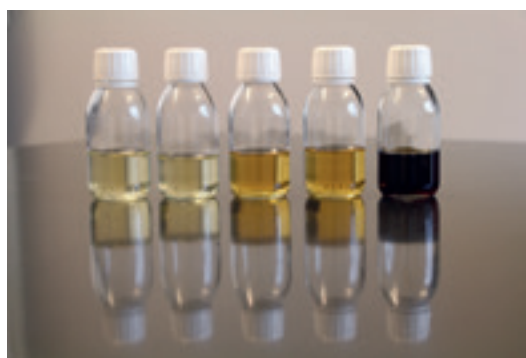
Maintenance

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 compressor	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 compressor	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)	780,-	1.000,-	2.220,-
Daikin on Site (DoS) - Air Handling Units (AHU)	780,-	1.000,-	2.220,-

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

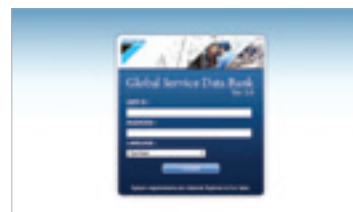
- Create access for you and your colleagues.
- Simply go to my.daikin.eu
 - download the registration form
 - fill it in
 - and email it back to your local Daikin office

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>



Daikin Academy

To ensure the quality and efficiency of the service we deliver, we continuously invest in the development of know-how and skills of our staff. We train and update them on the latest technical developments and service methods.

Daikin Central Europe also wants to support our partners and professionals to keep the service quality and efficiency at the highest possible level. Therefore we also provide various technical trainings and seminars to our partners and professionals.

Our trainings serve two different business needs and target groups:

Technical Service Product Trainings

These trainings are aimed for service technicians and engineers installing, commissioning, maintaining and servicing Daikin products. They are available only for Daikin direct customers (professional companies purchasing from Daikin).



Product Applications Seminars

These seminars are aimed at HVAC system designers and technical sales staff, transferring information on how to correctly design and apply systems with Daikin products

You want to learn more about how to keep your service at its best? Visit us on <http://www.daikin.at/xxx> to find out more about Daikin training offerings or contact us and let us know how we can help you!



Commercial terms and conditions (Last update: February 2018)

These commercial terms and conditions (hereinafter 'Terms') shall apply to all of our offers, deliveries and services to companies (B2B). 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 HUF 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 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.
- Unless specifically agreed, Goods branded as "Daikin Applied Systems", "Zanotti", "J&E Hall International for Daikin", "Tewis", "Hubbard" 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), fan coil units (FCU), Air handling units (AHU) / rooftop units, 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.
- For "Rotex" branded products generally a 24-month warranty period is valid except for following variations: 10 years for underfloor heating pipes and system plates, VA-piping and various safe oil storage tanks. 5 years for solar panels, various system and highcube oil tanks and various 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 of 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 HUF 100.00 per item and a maximum net value of HUF 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 e 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 personnel.
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.

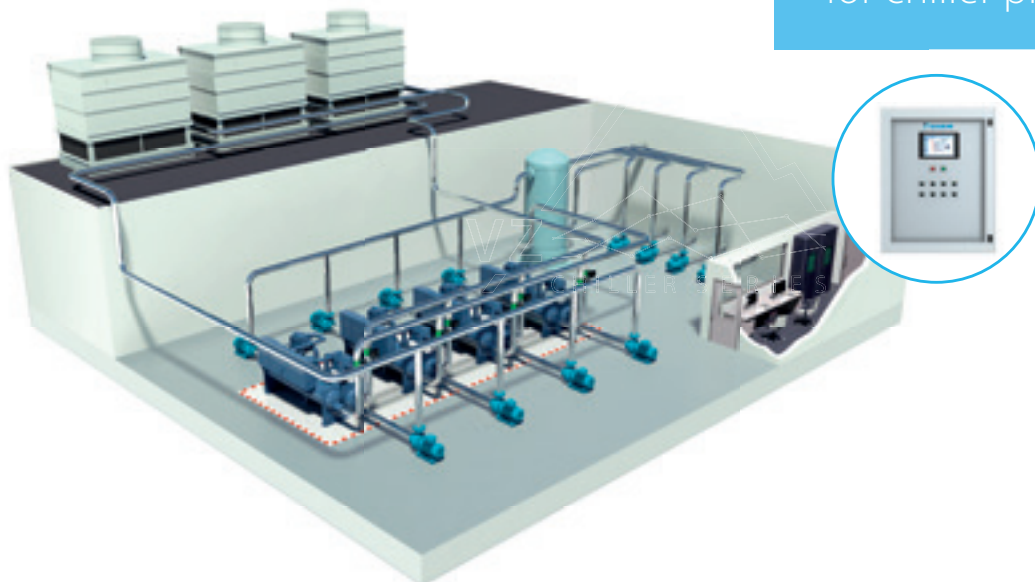
The Daikin Commercial terms and conditions are also available in the internet at www.daikin-ce.com

DAIKIN AIRCONDITIONING CENTRAL EUROPE HANDELSGMBH

Campus 21, Europaring F12 / 402 · A-2345 Brunn am Gebirge, Austria
phone +43 2236 32557, fax +43 2236 32557-900, office@daikin-ce.com, www.daikin-ce.com

iCM intelligent chiller manager

for chiller plant rooms



Factory-engineered system control to manage a chiller plant room



Availability

Determines whether chillers are available or not, based on:

- › Inputs from the chiller unit controllers
- › Modbus communication status
- › Pump status

Sequencing

Optimises the order in which available chillers are turned on and off depending on operating hours, energy efficiency, etc.

Staging

Calculates **energy-optimal stage-up/stage-down** of the chiller by determining the increased capacity demand by capacity control, compensation of temperature and rotation. This function aims at providing the most energy-efficient combination of chillers on a continuous basis.

Stopping Last Chiller/Recycling

Captures a rise in demand when the **last chiller is staged down**, by operating the pump dedicated to the next ON chiller at a minimum VFD frequency.

Min/Max Operating Chiller Setting

Ensures that the number of operating chillers always **stays within a certain range**, regardless of changes in demand.

Maximise reliability and lifetime Control and monitor your plant room remotely

DAIKIN AIRCONDITIONING CENTRAL EUROPE Handels GmbH

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

Daikin products are distributed by:



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

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

DACE Applied Systems Pricelist 2018-2019 | Version March 2018
We reserve the right for printing errors and model changes



Exam

Pricelist 2018-2019 Applied Systems