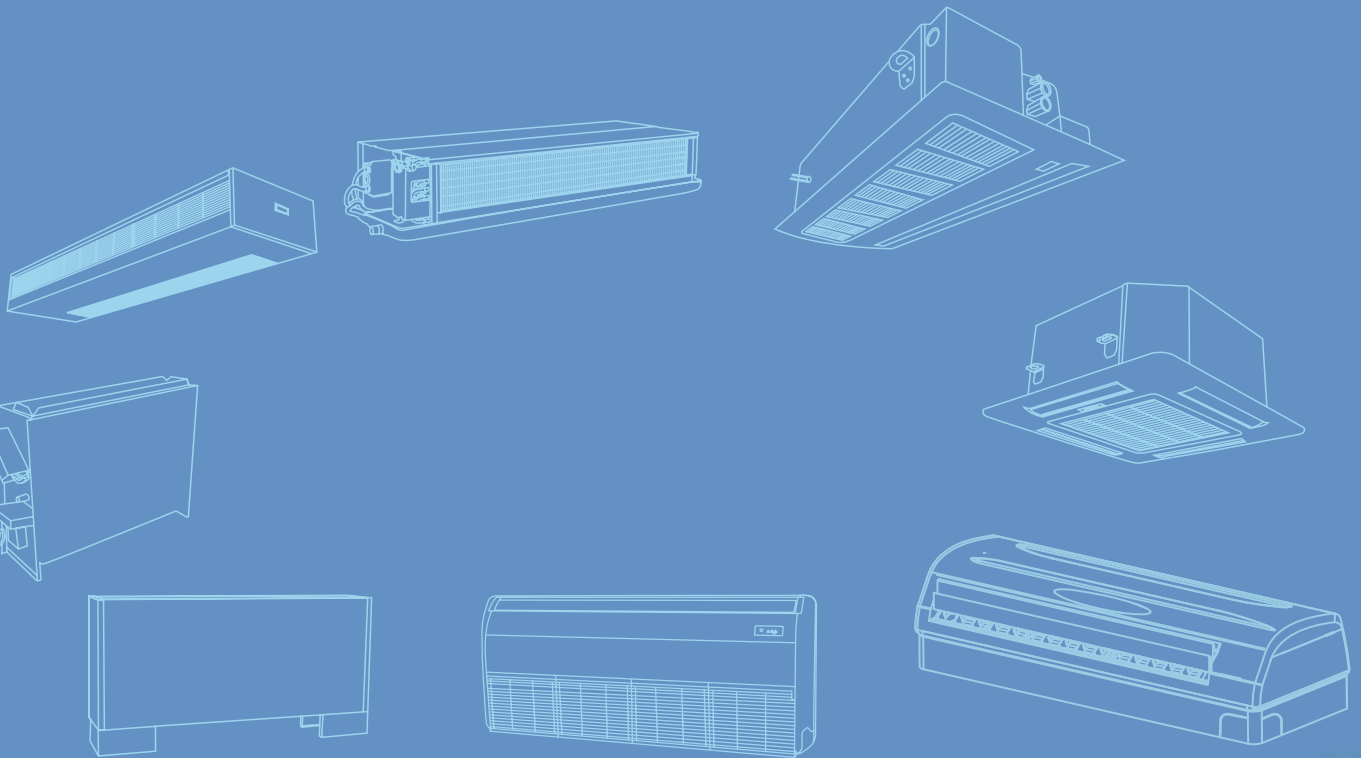


Fan coil Unit

Air flow: 170m³/h-2380m³/h



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Manufactured in an ISO Certified Facility

Information covers EuroKlimat products at the time of publication
and we reserve the right to make changes in design and construction at anytime without prior notice.

EUROKLIMAT Air Conditioner, Environmental & Energy-saving Technology from Europe.



EK Italy Headquarters

EUROKLIMAT (EK) was established in 1963 in Italy. For the past half a century, it has become famous as an energy-saving air-conditioning manufacturer in Italy and globally. Continuous innovation, new product development and top manufacturing quality are the driving force behind this growth.

EUROKLIMAT (EK) pursues the ideals of protecting the environment, providing physical comfort and adopting energy-saving into the whole process of product R&D, manufacturing and service. Our products covering residential, commercial and close control air-conditioner are manufactured according to the global generally accepted standards.



Overview and Product Series

Overview

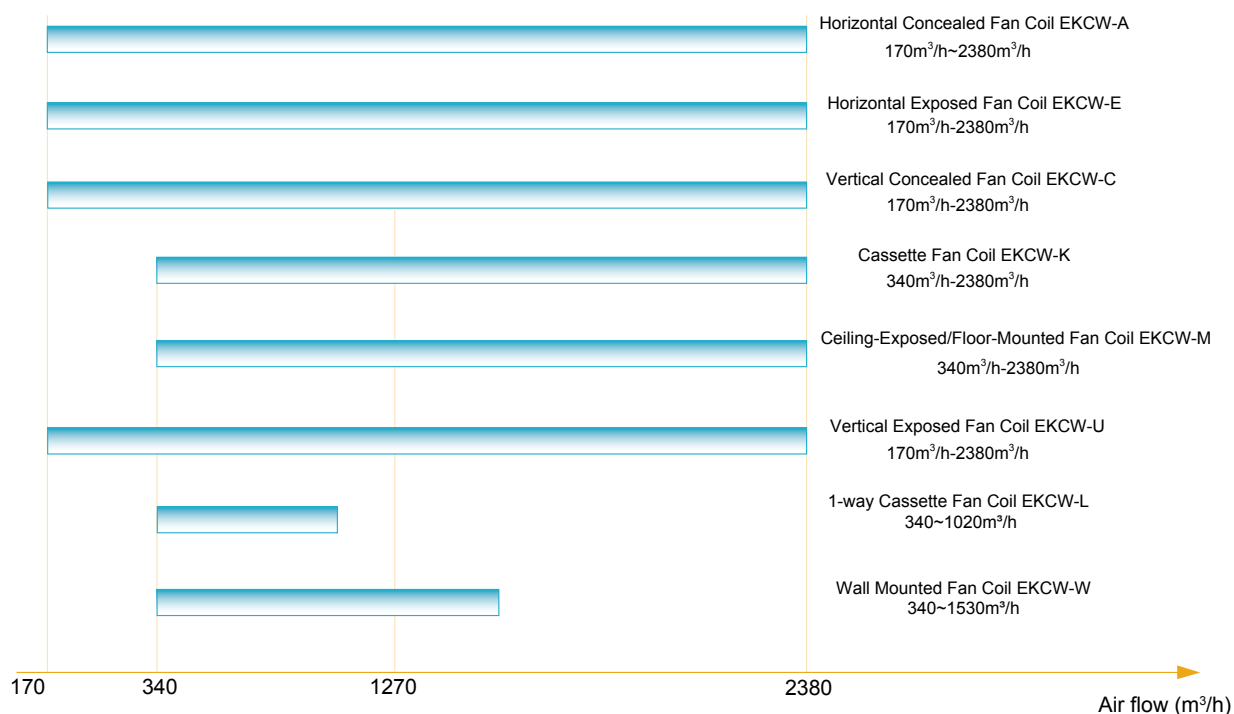
Since its establishment in 1963, EuroKlimat has been providing high-quality air handling systems to the market, and has achieved remarkable performances in various products it provides.

EK series air conditioning fan coils are cost-effective products customized for the Chinese Market. The products feature leading-edge manufacturing processes of EK. They are compact, easy to installed and maintain, efficient, and produce little noise.

Currently, EK provides fan coils of nearly ten thousand models in five series, including horizontal concealed fan coils, vertical concealed fan coils, horizontal exposed fan coils, card fan coils, and ceiling-exposed/floor-mounted fan coils.

EK fan coils feature lead-edge air processing technologies and outstanding quality of EuroKlimat, and are the most favored terminals for central air-conditioning systems.

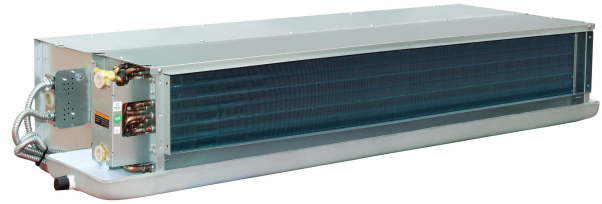
Product Series



Horizontal Concealed Fan Coil EKCW-A

Compact Exterior

With a compact, graceful and robust design, this super-thin unit can be concealed in a small space inside the ceiling.



Low Noise

The unit features a forward-pitched low-speed centrifugal fan with wide impellers. The fan has a good dynamic balance and a stable performance, and minimizes the operation sound while ensuring enough air flow and the static pressure of outlet air by using efficient sound-dampening and heat-insulation material.

Efficient and Energy Saving

To maximize heat transfer and exchange efficiency, the unit features heat exchange coils made of quality copper tubes, efficient hyperbolic aluminum shutter fins, precise mechanic tube expansion and a fan with wide impellers and a high air supply capacity.

Easy and Flexible Installation

The unit features a symmetric design and can be easily installed. The left and right connection pipes are exchangeable. For units with a return air plenum, the air return mode can be customized.

Safe and Leakage-proof

The condensate water collector are molded as a whole (no welding line or dots) and entirely coated with fireproof material to prevent leakage. A specially designed pitch on the collector also helps ensure smooth discharge of condensate water.

Easy Maintenance

The unit features a single-phase capacitive motor with a low operation sound and a long service life thanks to a quality precision ball bear that is hermetic, fully lubricated, rustproof and durable. All wires leading out of the motor are protected against damage using flexible metal tubes.

Horizontal Concealed Fan Coil EKCW-A

Nomenclature

EKCW 200 A C 3 R C X - A 0 A C
 1 2 3 4 5 6 7 8 9 10 11 12

1. EKAC EK Fan Coil Unit
2. 200 Rated air flow
3. A Horizontal concealed fan coil
4. C Coil type T-2C0H C-3C0H F-4C0H M-2C1H N-2C2H H-3C1H
 D-3C0H (units for large temperature drop and small flow)
 A-4C0H (units for large temperature drop and small flow)
 (note: C—chilled water coil; H—heating water coil)
5. 3 Outlet static pressure: 1 - 12 Pa 3 - 30 Pa 5 - 50 Pa
6. R Orientation of connection pipe: R - Right (toward air outlet)
 L - Left (toward air outlet)
7. C Code for return air plenum: C - no return air plenum (standard);
 B - backward air return plenum
 D - downward return air plenum
8. X X - no filter; F - nylon filtering screen with aluminum alloy frame
9. A Code for water collector (see Table for Water Collector Codes)
10. 0 Code for built-in electric heater:
 0 - no electric heater; 1 - electric heater of 1.0 kW (so on and so forth)
11. A Power supply: A-220V~/50Hz K-208-230V~/60Hz,
 N-115V~/60Hz W-265-277V~/60Hz
12. C Market code: C - Mainland China;
 D - Hong Kong and Macao, China;
 E - Other regions

Table for Water Collector Codes

Code	Material	Heat preservation	Length
A	Common cold-rolled sheet	7 mm thick (made of PE)	Standard length
B	Common cold-rolled sheet	7 mm thick (made of PE)	Water collector extended by 100 mm
C	Common cold-rolled sheet	7 mm thick (made of PE)	Water collector extended by 200 mm
D	Common cold-rolled sheet	7 mm thick (made of PE)	Water collector extended by 300 mm
E	Stainless steel	7 mm thick (made of PE)	Standard length
F	Stainless steel	7 mm thick (made of PE)	Water collector extended by 100 mm
G	Stainless steel	7 mm thick (made of PE)	Water collector extended by 200 mm
H	Stainless steel	7 mm thick (made of PE)	Water collector extended by 300 mm
I	Common cold-rolled sheet	6 mm thick (Grade 1 made by Armaflex 1)	Standard length
J	Stainless steel	6 mm thick (Grade 1 made by Armaflex 1)	Standard length
K	Common cold-rolled sheet	6 mm thick (Grade 1 made by Armaflex 0)	Standard length
L	Stainless steel	6 mm thick (Grade 1 made by Armaflex 0)	Standard length
M	Common cold-rolled sheet	6 mm thick (Grade 1 made by Armaflex 1)	Water collector extended by 100 mm
N	Stainless steel	6 mm thick (Grade 1 made by Armaflex 1)	Water collector extended by 100 mm
P	Common cold-rolled sheet	6 mm thick (Grade 1 made by Armaflex 0)	Water collector extended by 100 mm
Q	Stainless steel	6 mm thick (Grade 1 made by Armaflex 0)	Water collector extended by 100 mm
R	Common cold-rolled sheet	6 mm thick (Grade 1 made by Armaflex 1)	Water collector extended by 200 mm
S	Stainless steel	6 mm thick (Grade 1 made by Armaflex 1)	Water collector extended by 200 mm
T	Common cold-rolled sheet	6 mm thick (Grade 1 made by Armaflex 0)	Water collector extended by 200 mm
U	Stainless steel	6 mm thick (Grade 1 made by Armaflex 0)	Water collector extended by 200 mm
V	Common cold-rolled sheet	6 mm thick (Grade 1 made by Armaflex 1)	Water collector extended by 300 mm
W	Stainless steel	6 mm thick (Grade 1 made by Armaflex 1)	Water collector extended by 300 mm
X	Common cold-rolled sheet	6 mm thick (Grade 1 made by Armaflex 0)	Water collector extended by 300 mm
Y	Stainless steel	6 mm thick (Grade 1 made by Armaflex 0)	Water collector extended by 300 mm

Note: cold-rolled sheets are painted with epoxy resin; stainless steel water collectors are made of 304 stainless steel.

Horizontal Concealed Fan Coil EKCW-A

Specifications (Dual Pipe with 4 Rows of Coils and Large Temperature Drop)

Performance		Model	EKCW 200AA	EKCW 300AA	EKCW 400AA	EKCW 500AA	EKCW 600AA	EKCW 800AA	EKCW 1000AA	EKCW 1200AA	EKCW 1400AA	
Rated air flow (m ³ /h; under static pressure of 12 Pa, 30 Pa, and 50 Pa)	H		340	510	680	850	1020	1360	1700	2040	2380	
	M		279	418	558	697	836	1115	1394	1673	1952	
	L		170	255	340	425	510	680	850	1020	1190	
Rated cooling capacity (W)	Total heating/cooling capacity	H	2125	3385	4390	4902	6207	8096	10165	11066	13744	
	Sensible heating/cooling capacity	H	1233	2059	2848	3353	4179	5572	7125	7961	9770	
Rated heating capacity (W)		H	3576	5427	6915	8335	12238	13216	16587	18339	22160	
Rated input power (W)	Static pressure of 12 Pa	H	32	46	56	73	93	133	164	188	229	
	Static pressure of 30 Pa	H	41	53	72	86	107	142	183	217	239	
	Static pressure of 50 Pa	H	46	65	77	90	115	162	187	227	279	
Working current (A)	Static pressure of 12 Pa	H	0.15	0.21	0.26	0.33	0.42	0.61	0.74	0.85	1.04	
	Static pressure of 30 Pa	H	0.20	0.24	0.33	0.39	0.48	0.65	0.83	0.99	1.09	
	Static pressure of 50 Pa	H	0.21	0.29	0.35	0.41	0.52	0.74	0.85	1.03	1.27	
Sound dB(A)	Static pressure of 12 Pa	H	33.5	32.5	38.5	41.5	44.5	45.0	48.0	49.0	51.0	
	Static pressure of 30 Pa	H	39.5	40.0	43.0	44.0	46.0	46.0	50.5	50.5	51.5	
	Static pressure of 50 Pa	H	42.0	43.0	45.0	46.0	47.5	48.5	50.5	52.5	53.0	
Water flow (m ³ /h)			0.21	0.33	0.43	0.48	0.60	0.79	0.99	1.07	1.32	
Water resistance (cooling) (kPa)			5	13	22	10	16	16	25	20	29	
Water resistance (heating) (kPa)			4	9	18	8	13	13	20	17	24	
Coil	Type	Mechanically expanded quality copper tubes specially designed for air conditioners with shutter-type hyperbolic aluminum fins										
	Working pressure	1.6MPa										
	Test pressure	Airtightness test under pressurized water: 3.3 MPa										
Fan	Type	Forward-pitched multi-wing centrifugal fan with double-suction impellers made from zinc-plated steel plates										
	Qty.	1	2	2	2	2	3	4	4	4	4	
Motor	Type	Single-phase ball-bearing capacitive motor with a high precision and low operation sound										
	Qty.	1	1	1	1	1	2	2	2	2	2	
	Power supply	220V~/50Hz										
	Protection grade	IP20										
	Insulation grade	B										
Inlet/outlet water pipe	Pipe diameter	Rc3/4 taper pipe with internal thread										
Condensate water pipe	Pipe diameter	Diameter R 3/4 taper pipe with external threads										
Net weight (no electric heater)	No return air plenum	kg	11.8	14.3	16.8	17.9	19.1	28.4	31.4	34.3	41.3	
	With return air plenum	kg	14.8	17.9	20.8	22.2	23.7	34.4	37.8	41.5	49.5	
Electric heater (optional)	Power supply		220V~/50Hz					380V/3N~/50Hz				
	Electric heating capacity	kW	1.0/2.0	1.0/2.0/3.0	2.0/3.0/4.0	2.0/3.0/4.0	2.0/3.0/4.0	3.0/4.0/5.0	3.0/4.0/5.0	4.0/5.0/6.0	5.0/6.0/7.0	
Net weight (with electric heater)	No return air plenum	kg	14.9	17.5	20.5	21.8	23.2	33.4	36.6	40.1	47.8	
	With return air plenum	kg	17.9	21.1	24.5	26.1	27.8	39.4	43.0	47.3	56.0	

Note:

- Working conditions for cooling: inlet air temperature - dry/wet bulb 27°C/19.5°C; temperature of inlet/outlet water - 5°C/15°C.
- Working conditions for heating: inlet air temperature - dry bulb 21°C; inlet water temperature 60°C; water flow - equal to that for cooling operation.
- Rated air flow is measured under standard atmosphere using dry coils (dry bulb 20°C).
- Sound pressure grade and sound level are measured in a semi-silent room as per GB/T 19232-2003.
- H, M and L represent high, medium and low fan speed respectively.
- Static pressure refers to outlet static pressure.
- All performance parameters in the above table are measure with a power supply of 220V~/50Hz.
- The right/left orientation of connection pipes are exchangeable on site (cooling/heating capacity needs to be multiplied by a correction factor of 0.93 after exchange).

Horizontal Concealed Fan Coil EKCW-A

Specifications (Dual Pipe with 2 Rows of Coils)

Performance		Model	EKCW 200AT	EKCW 300AT	EKCW 400AT	EKCW 500AT	EKCW 600AT	EKCW 800AT	EKCW 1000AT	EKCW 1200AT	EKCW 1400AT	
Rated air flow (m ³ /h; under static pressure of 12 Pa, 30 Pa, and 50 Pa)	H		340	510	680	850	1020	1360	1700	2040	2380	
	M		279	418	558	697	836	1115	1394	1673	1952	
	L		170	255	340	425	510	680	850	1020	1190	
Rated cooling capacity (W)	Total heating/cooling capacity	H	1770	2955	3920	4635	5115	7610	8680	10495	11620	
	Sensible heating/cooling capacity	H	1140	1980	2570	3205	3735	5535	6680	7765	8955	
Rated heating capacity (W)		H	3280	5120	6450	7560	9095	12830	15865	18485	20770	
Rated input power (W)	Static pressure of 12 Pa	H	32	46	56	73	93	133	164	188	229	
	Static pressure of 30 Pa	H	39	53	72	86	107	142	183	217	239	
	Static pressure of 50 Pa	H	46	65	77	90	115	162	187	227	279	
Working current (A)	Static pressure of 12 Pa	H	0.15	0.21	0.26	0.33	0.42	0.61	0.74	0.85	1.04	
	Static pressure of 30 Pa	H	0.18	0.24	0.33	0.39	0.48	0.65	0.83	0.99	1.09	
	Static pressure of 50 Pa	H	0.21	0.29	0.35	0.41	0.52	0.74	0.85	1.03	1.27	
Sound dB(A)	Static pressure of 12 Pa	H	34.5	34.5	37.5	41.0	45.0	44.5	48.0	49.0	52.0	
	Static pressure of 30 Pa	H	37.0	40.0	42.5	44.0	45.5	46.5	49.5	49.5	53.0	
	Static pressure of 50 Pa	H	41.0	43.0	45.0	46.0	47.5	48.0	50.0	51.0	53.5	
Water flow (m ³ /h)			0.32	0.51	0.67	0.80	0.88	1.31	1.47	1.81	2.01	
Water resistance (cooling) (kPa)			5	14	26	36	18	40	28	40	34	
Water resistance (heating) (kPa)			4	12	21	30	14	34	23	34	28	
Coil	Type	Mechanically expanded quality copper tubes specially designed for air conditioners with shutter-type hyperbolic aluminum fins										
	Working pressure	1.6MPa										
	Test pressure	Airtightness test under pressurized water: 3.3 MPa										
Fan	Type	Forward-pitched multi-wing centrifugal fan with double-suction impellers made from zinc-plated steel plates										
	Qty.	1	2	2	2	2	3	4	4	4	4	
Motor	Type	Single-phase ball-bearing capacitive motor with a high precision and low operation sound										
	Qty.	1	1	1	1	1	2	2	2	2	2	
	Power supply	220V~/50Hz										
	Protection grade	IP20										
	Insulation grade	B										
Inlet/outlet water pipe	Pipe diameter	Rc3/4 taper pipe with internal thread										
Condensate water pipe	Pipe diameter	Diameter R 3/4 taper pipe with external threads										
Net weight (no electric heater)	No return air plenum	kg	10.4	12.3	14.6	15.4	16.2	24.4	27.1	29.4	35.5	
	With return air plenum	kg	13.4	15.9	18.6	19.7	20.8	30.4	33.5	36.6	43.7	
Electric heater (optional)	Power supply		220V~/50Hz					380V/3N~/50Hz				
	Electric heating capacity	kW	1.0/2.0	1.0/2.0/3.0	2.0/3.0/4.0	2.0/3.0/4.0	2.0/3.0/4.0	3.0/4.0/5.0	3.0/4.0/5.0	4.0/5.0/6.0	5.0/6.0/7.0	
Net weight (with electric heater)	No return air plenum	kg	13.5	15.6	18.3	19.3	20.4	29.5	32.4	35.2	42.0	
	With return air plenum	kg	16.5	19.2	22.3	23.6	25.0	35.5	38.8	42.4	50.2	

Note:

- Working conditions for cooling: inlet air temperature - dry/wet bulb 27°C/19.5°C; temperature of inlet/outlet water - 7°C/12 °C.
- Working conditions for heating: inlet air temperature - dry bulb 21°C; inlet water temperature 60°C; water flow - equal to that for cooling operation.
- Rated air flow is measured under standard atmosphere using dry coils (dry bulb 20°C).
- Sound pressure grade and sound level are measured in a semi-silent room as per GB/T 19232-2003.
- H, M and L represent high, medium and low fan speed respectively.
- Static pressure refers to outlet static pressure.
- All performance parameters in the above table are measure with a power supply of 220V~/50Hz.
- The right/left orientation of connection pipes are exchangeable on site (cooling/heating capacity needs to be multiplied by a correction factor of 0.93 after exchange).

Horizontal Concealed Fan Coil EKCW-A

Specifications (Dual Pipe with 3 Rows of Coils)

Performance		Model	EKCW 200AC	EKCW 300AC	EKCW 400AC	EKCW 500AC	EKCW 600AC	EKCW 800AC	EKCW 1000AC	EKCW 1200AC	EKCW 1400AC	
Rated air flow (m ³ /h; under static pressure of 12 Pa, 30 Pa, and 50 Pa)	H		340	510	680	850	1020	1360	1700	2040	2380	
	M		279	418	558	697	836	1115	1394	1673	1952	
	L		170	255	340	425	510	680	850	1020	1190	
Rated cooling capacity (W)	Total heating/cooling capacity	H	2260	3480	4490	5140	6450	8490	10030	11540	13600	
	Sensible heating/cooling capacity	H	1490	2170	2870	3600	4370	6080	7110	8500	9920	
Rated heating capacity (W)		H	3610	5480	7050	7900	9770	13210	16230	18160	21810	
Rated input power (W)	Static pressure of 12 Pa	H	32	46	56	73	93	133	164	188	229	
	Static pressure of 30 Pa	H	39	53	72	83	107	142	183	217	239	
	Static pressure of 50 Pa	H	46	65	77	90	115	162	187	227	279	
Working current (A)	Static pressure of 12 Pa	H	0.15	0.21	0.26	0.33	0.42	0.61	0.74	0.85	1.04	
	Static pressure of 30 Pa	H	0.18	0.24	0.33	0.38	0.48	0.65	0.83	0.99	1.09	
	Static pressure of 50 Pa	H	0.21	0.29	0.35	0.41	0.52	0.74	0.85	1.03	1.27	
Sound dB(A)	Static pressure of 12 Pa	H	34.5	35.0	36.5	41.5	44.5	44.5	47.5	48.5	51.5	
	Static pressure of 30 Pa	H	37.0	39.0	42.0	43.0	46.0	45.5	50.0	50.0	52.0	
	Static pressure of 50 Pa	H	39.5	42.5	44.0	45.5	46.5	48.0	50.0	51.0	53.5	
Water flow (m ³ /h)			0.44	0.61	0.74	0.96	1.10	1.54	1.75	2.10	2.47	
Water resistance (cooling) (kPa)			13	30	17	24	36	36	29	40	42	
Water resistance (heating) (kPa)			11	23	13	20	29	31	22	37	35	
Coil	Type	Mechanically expanded quality copper tubes specially designed for air conditioners with shutter-type hyperbolic aluminum fins										
	Working pressure	1.6MPa										
	Test pressure	Airtightness test under pressurized water: 3.3 MPa										
Fan	Type	Forward-pitched multi-wing centrifugal fan with double-suction impellers made from zinc-plated steel plates										
	Qty.	1	2	2	2	2	3	4	4	4	4	
Motor	Type	Single-phase ball-bearing capacitive motor with a high precision and low operation sound										
	Qty.	1	1	1	1	1	2	2	2	2	2	
	Power supply	220V~/50Hz										
	Protection grade	IP20										
	Insulation grade	B										
Inlet/outlet water pipe	Pipe diameter	Rc3/4 taper pipe with internal thread										
Condensate water pipe	Pipe diameter	Diameter R 3/4 taper pipe with external threads										
Net weight (no electric heater)	No return air plenum	kg	11.1	13.3	15.7	16.6	17.6	26.4	29.2	31.8	38.4	
	With return air plenum	kg	14.1	16.9	19.7	20.9	22.2	32.4	35.6	39.0	46.6	
Electric heater (optional)	Power supply		220V~/50Hz					380V/3N~/50Hz				
	Electric heating capacity	kW	1.0/2.0	1.0/2.0/3.0	2.0/3.0/4.0	2.0/3.0/4.0	2.0/3.0/4.0	3.0/4.0/5.0	3.0/4.0/5.0	4.0/5.0/6.0	5.0/6.0/7.0	
Net weight (with electric heater)	No return air plenum	kg	14.2	16.6	19.4	20.5	21.8	31.4	34.5	37.6	44.9	
	With return air plenum	kg	17.2	20.2	23.4	24.8	26.4	37.4	40.9	44.8	53.1	

Note:

- Working conditions for cooling: inlet air temperature - dry/wet bulb 27°C/19.5°C; temperature of inlet/outlet water - 7°C/12°C.
- Working conditions for heating: inlet air temperature - dry bulb 21°C; inlet water temperature 60°C; water flow - equal to that for cooling operation.
- Rated air flow is measured under standard atmosphere using dry coils (dry bulb 20°C).
- Sound pressure grade and sound level are measured in a semi-silent room as per GB/T 19232-2003.
- H, M and L represent high, medium and low fan speed respectively.
- Static pressure refers to outlet static pressure.
- All performance parameters in the above table are measure with a power supply of 220V~/50Hz.
- The right/left orientation of connection pipes are exchangeable on site (cooling/heating capacity needs to be multiplied by a correction factor of 0.93 after exchange).

Horizontal Concealed Fan Coil EKCW-A

Specifications (Dual Pipe with 3 Rows of Coils and Large Temperature Drop)

Performance		Model	EKCW 200AD	EKCW 300AD	EKCW 400AD	EKCW 500AD	EKCW 600AD	EKCW 800AD	EKCW 1000AD	EKCW 1200AD	EKCW 1400AD	
Rated air flow (m ³ /h; under static pressure of 12 Pa, 30 Pa, and 50 Pa)	H		340	510	680	850	1020	1360	1700	2040	2380	
	M		279	418	558	697	836	1115	1394	1673	1952	
	L		170	255	340	425	510	680	850	1020	1190	
Rated cooling capacity (W)	Total heating/cooling capacity	H	2430	3090	4035	4985	6115	7900	9840	10975	13300	
	Sensible heating/cooling capacity	H	1365	1975	2595	3315	4165	5425	6970	7985	9620	
Rated heating capacity (W)		H	3765	5025	6640	8086	9965	12810	15075	17830	21235	
Rated input power (W)	Static pressure of 12 Pa	H	32	46	56	73	93	133	164	188	229	
	Static pressure of 30 Pa	H	39	53	72	83	107	142	183	217	239	
	Static pressure of 50 Pa	H	46	65	77	90	115	162	187	227	279	
Working current (A)	Static pressure of 12 Pa	H	0.15	0.21	0.26	0.33	0.42	0.61	0.74	0.85	1.04	
	Static pressure of 30 Pa	H	0.18	0.24	0.33	0.38	0.48	0.65	0.83	0.99	1.09	
	Static pressure of 50 Pa	H	0.21	0.29	0.35	0.41	0.52	0.74	0.85	1.03	1.27	
Sound dB(A)	Static pressure of 12 Pa	H	34.5	35.0	36.5	41.5	44.5	44.5	47.5	48.5	51.5	
	Static pressure of 30 Pa	H	37.0	39.0	42.0	43.0	46.0	45.5	50.0	50.0	52.0	
	Static pressure of 50 Pa	H	39.5	42.5	44.0	45.5	46.5	48.0	50.0	51.0	53.5	
Water flow (m ³ /h)			0.21	0.27	0.34	0.43	0.51	0.68	0.83	0.93	1.11	
Water resistance (cooling) (kPa)			23	7	11	18	16	19	28	18	28	
Water resistance (heating) (kPa)			18	5	9	15	22	16	23	15	23	
Coil	Type	Mechanically expanded quality copper tubes specially designed for air conditioners with shutter-type hyperbolic aluminum fins										
	Working pressure	1.6MPa										
	Test pressure	Airtightness test under pressurized water: 3.3 MPa										
Fan	Type	Forward-pitched multi-wing centrifugal fan with double-suction impellers made from zinc-plated steel plates										
	Qty.	1	2	2	2	2	3	4	4	4	4	
Motor	Type	Single-phase ball-bearing capacitive motor with a high precision and low operation sound										
	Qty.	1	1	1	1	1	2	2	2	2	2	
	Power supply	220V~/50Hz										
	Protection grade	IP20										
	Insulation grade	B										
Inlet/outlet water pipe	Pipe diameter	Rc3/4 taper pipe with internal thread										
Condensate water pipe	Pipe diameter	Diameter R 3/4 taper pipe with external threads										
Net weight (no electric heater)	No return air plenum	kg	11.1	13.3	15.7	16.6	17.6	26.4	29.2	31.8	38.4	
	With return air plenum	kg	4.1	16.9	19.7	20.9	22.2	32.4	35.6	39.0	46.6	
Electric heater (optional)	Power supply		220V~/50Hz					380V/3N~/50Hz				
	Electric heating capacity	kW	1.0/2.0	1.0/2.0/3.0	2.0/3.0/4.0	2.0/3.0/4.0	2.0/3.0/4.0	3.0/4.0/5.0	3.0/4.0/5.0	4.0/5.0/6.0	5.0/6.0/7.0	
Net weight (with electric heater)	No return air plenum	kg	14.2	16.6	19.4	20.5	21.8	31.4	34.5	37.6	44.9	
	With return air plenum	kg	17.2	20.2	23.4	24.8	26.4	37.4	40.9	44.8	53.1	

Note:

- Working conditions for cooling: inlet air temperature - dry/wet bulb 27°C/19.5°C; temperature of inlet/outlet water - 5°C/15°C.
- Working conditions for heating: inlet air temperature - dry bulb 21°C; inlet water temperature 60°C; water flow - equal to that for cooling operation.
- Rated air flow is measured under standard atmosphere using dry coils (dry bulb 20°C).
- Sound pressure grade and sound level are measured in a semi-silent room as per GB/T 19232-2003.
- H, M and L represent high, medium and low fan speed respectively.
- Static pressure refers to outlet static pressure.
- All performance parameters in the above table are measure with a power supply of 220V~/50Hz.
- The right/left orientation of connection pipes are exchangeable on site (cooling/heating capacity needs to be multiplied by a correction factor of 0.93 after exchange).

Horizontal Concealed Fan Coil EKCW-A

Specifications (Quad Pipe with 2 + 1 Rows of Coils)

Performance		Model	EKCW 200AM	EKCW 300AM	EKCW 500AM	EKCW 400AM	EKCW 600AM	EKCW 800AM	EKCW 1000AM	EKCW 1200AM	EKCW 1400AM	
Rated air flow (m ³ /h; under static pressure of 12 Pa, 30 Pa, and 50 Pa)	H		340	510	680	850	1020	1360	1700	2040	2380	
	M		279	418	558	697	836	1115	1394	1673	1952	
	L		170	255	340	425	510	680	850	1020	1190	
Rated cooling capacity (W) (chilled water coil)	Total heating/cooling capacity	H	1687	2642	3413	4105	4690	6620	7712	9350	10296	
	Sensible heating/cooling capacity	H	1112	1843	2496	3071	3676	5002	6162	7254	8346	
Rated heating capacity (W) (chilled water coil)		H	3081	4505	5889	7283	8590	11437	14186	16653	18769	
Rated heating capacity ① (W) (hot water coil)		H	2360	3393	4397	5216	6182	7985	9672	11174	13436	
Rated heating capacity ② (W) (hot water coil)		H	3286	4856	6279	7391	8726	11242	13640	15834	19081	
Rated input power (W)	Static pressure of 12 Pa	H	32	46	56	73	93	133	164	188	229	
	Static pressure of 30 Pa	H	39	53	72	83	107	142	183	217	239	
	Static pressure of 50 Pa	H	46	65	77	90	115	162	187	227	279	
Working current (A)	Static pressure of 12 Pa	H	0.15	0.21	0.26	0.33	0.42	0.61	0.74	0.85	1.04	
	Static pressure of 30 Pa	H	0.18	0.24	0.33	0.38	0.48	0.65	0.83	0.99	1.09	
	Static pressure of 50 Pa	H	0.21	0.29	0.35	0.41	0.52	0.74	0.85	1.03	1.27	
Sound dB(A)	Static pressure of 12 Pa	H	34.5	35.0	36.5	41.5	44.5	44.5	47.5	48.5	51.5	
	Static pressure of 30 Pa	H	37.0	39.0	42.0	43.0	46.0	45.5	50.0	50.0	52.0	
	Static pressure of 50 Pa	H	39.5	42.5	44.0	45.5	46.5	48.0	50.0	51.0	53.5	
ACooling water coil	Water flow (m ³ /h)		1.33	1.50	1.63	1.75	1.85	2.18	2.36	2.67	2.83	
	Water resistance (cooling) (kPa)		5	12	19	29	14	31	22	36	25	
	Water resistance (heating) (kPa)		4	10	16	24	11	26	18	29	21	
Heating water coil	Water flow ① (m ³ /h)		0.21	0.30	0.39	0.46	0.55	0.71	0.85	0.98	1.17	
	Water resistance (heating) ① (kPa)		7	14	25	35	52	17	26	37	54	
	Water flow ② (m ³ /h)		0.13	0.20	0.25	0.30	0.36	0.46	0.55	0.64	0.76	
	Water resistance (heating) ② (kPa)		3	7	11	16	23	8	11	17	24	
Coil	Type	Mechanically expanded quality copper tubes specially designed for air conditioners with shutter-type hyperbolic aluminum fins										
	Working pressure	1.6MPa										
	Test pressure	Airtightness test under pressurized water: 3.3 MPa										
Fan	Type	Forward-pitched multi-wing centrifugal fan with double-suction impellers made from zinc-plated steel plates										
	Qty.	1	2	2	2	2	3	4	4	4	4	
Motor	Type	Single-phase ball-bearing capacitive motor with a high precision and low operation sound										
	Qty.	1	1	1	1	1	2	2	2	2	2	
	Power supply	220V~/50Hz										
	Protection grade	IP20										
	Insulation grade	B										
Inlet/outlet water pipe	Pipe diameter	Rc3/4 taper pipe with internal thread										
Condensate water pipe	Pipe diameter	Diameter R 3/4 taper pipe with external threads										
Net weight (no electric heater)	No return air plenum	kg	11.1	13.3	15.7	16.6	17.6	26.4	29.2	31.8	38.4	
	With return air plenum	kg	14.1	16.9	19.7	20.9	22.2	32.4	35.6	39.0	46.6	
Electric heater (optional)	Power supply		220V~/50Hz					380V/3N~/50Hz				
	Electric heating capacity	kW	1.0/2.0	1.0/2.0/3.0	2.0/3.0/4.0	2.0/3.0/4.0	2.0/3.0/4.0	3.0/4.0/5.0	3.0/4.0/5.0	4.0/5.0/6.0	5.0/6.0/7.0	
Net weight (with electric heater)	No return air plenum	kg	14.2	16.6	19.4	20.5	21.8	31.4	34.5	37.6	44.9	
	With return air plenum	kg	17.2	20.2	23.4	24.8	26.4	37.4	40.9	44.8	53.1	

Note:

- Working conditions for cooling: inlet air temperature - dry/wet bulb 27°C/19.5°C; temperature of inlet/outlet water - 7°C/12°C.
- Working conditions for heating: inlet air temperature - dry bulb 21°C; inlet water temperature 60°C; water flow - equal to that for cooling operation.
- Working conditions for heating ① (heating water coil): temperature of inlet air - dry bulb 21°C; inlet water 60°C; outlet water 50°C.
- Working conditions for heating ② (heating water coil): temperature of inlet air - dry bulb 21°C; inlet water 82.2°C; outlet water 60°C.
- Rated air flow is measured under standard atmosphere using dry coils (dry bulb 20°C).
- Sound pressure grade and sound level are measured in a semi-silent room as per GB/T 19232-2003.
- H, M and L represent high, medium and low fan speed respectively.
- Static pressure refers to outlet static pressure.
- All performance parameters in the above table are measured with a power supply of 220V~/50Hz.

Horizontal Concealed Fan Coil EKCW-A

Specifications (Quad Pipe with 3 + 1 Rows of Coils)

Performance		Model	EKCW 200AH	EKCW 300AH	EKCW 400AH	EKCW 500AH	EKCW 600AH	EKCW 800AH	EKCW 1000AH	EKCW 1200AH
Rated air flow (m ³ /h; under static pressure of 12 Pa, 30 Pa, and 50 Pa)	H		340	510	680	850	1020	1360	1700	2040
	M		279	418	558	697	836	1115	1394	1673
	L		170	255	340	425	510	680	850	1020
Rated cooling capacity (W) (chilled water coil)	Total heating/cooling capacity	H	2530	3310	4240	5000	5890	8040	9290	11820
	Sensible heating/cooling capacity	H	1490	2100	2850	3350	4040	5520	6730	8300
Rated heating capacity (W) (chilled water coil)		H	4180	5300	7030	7920	9890	13120	16120	20150
Rated heating capacity ① (W) (hot water coil)		H	2450	3170	4090	4470	5690	7290	8790	11610
Rated heating capacity ② (W) (hot water coil)		H	3330	4240	5800	6670	7970	10200	12270	16420
Rated input power (W)	Static pressure of 12 Pa	H	32	46	56	73	93	133	164	188
	Static pressure of 30 Pa	H	41	53	72	86	107	142	183	217
	Static pressure of 50 Pa	H	46	65	77	90	115	162	187	227
Working current (A)	Static pressure of 12 Pa	H	0.15	0.21	0.26	0.33	0.42	0.61	0.74	0.85
	Static pressure of 30 Pa	H	0.20	0.24	0.33	0.39	0.48	0.65	0.83	0.99
	Static pressure of 50 Pa	H	0.22	0.29	0.35	0.41	0.52	0.74	0.85	1.03
Sound dB(A)	Static pressure of 12 Pa	H	33.5	32.5	38.5	41.5	44.5	45.0	48.0	49.0
	Static pressure of 30 Pa	H	39.5	40.0	43.0	44.0	46.0	46.0	50.5	50.5
	Static pressure of 50 Pa	H	42.0	43.0	45.0	46.0	47.5	48.5	50.5	52.5
ACooling water coil	Water flow (m ³ /h)		0.44	0.57	0.73	0.88	1.03	1.41	1.62	2.04
	Water resistance (cooling) (kPa)		14	29	17	24	33	34	26	44
	Water resistance (heating) (kPa)		11	21	13	21	26	27	21	36
Heating water coil	Water flow ① (m ³ /h)		0.21	0.27	0.35	0.38	0.49	0.63	0.75	0.97
	Water resistance (heating) ① (kPa)		7	14	22	28	54	15	21	40
	Water flow ② (m ³ /h)		0.13	0.17	0.23	0.26	0.31	0.40	0.48	0.63
	Water resistance (heating) ② (kPa)		3	6	10	14	20	7	10	18
Coil	Type	Mechanically expanded quality copper tubes specially designed for air conditioners with shutter-type hyperbolic aluminum fins								
	Working pressure	1.6MPa								
	Test pressure	Airtightness test under pressurized water: 3.3 MPa								
Fan	Type	Forward-pitched multi-wing centrifugal fan with double-suction impellers made from zinc-plated steel plates								
	Qty.	1	2	2	2	2	3	4	4	
Motor	Type	Single-phase ball-bearing capacitive motor with a high precision and low operation sound								
	Qty.	1	1	1	1	1	2	2	2	
	Power supply	220V~/50Hz								
	Protection grade	IP20								
	Insulation grade	B								
Inlet/outlet water pipe	Pipe diameter	Rc3/4 taper pipe with internal thread								
Condensate water pipe	Pipe diameter	Diameter R 3/4 taper pipe with external threads								
Net weight (no electric heater)	No return air plenum	kg	11.8	14.3	16.8	17.9	19.1	28.4	31.4	34.3
	With return air plenum	kg	14.8	17.9	20.8	22.2	23.7	34.4	37.8	41.5
Electric heater (optional)	Power supply		220V~/50Hz				380V/3N~/50Hz			
	Electric heating capacity	kW	1.0/2.0	1.0/2.0/3.0	2.0/3.0/4.0	2.0/3.0/4.0	2.0/3.0/4.0	3.0/4.0/5.0	3.0/4.0/5.0	4.0/5.0/6.0
Net weight (with electric heater)	No return air plenum	kg	14.9	17.5	20.5	21.8	23.2	33.4	36.6	40.1
	With return air plenum	kg	17.9	21.1	24.5	26.1	27.8	39.4	43.0	47.3

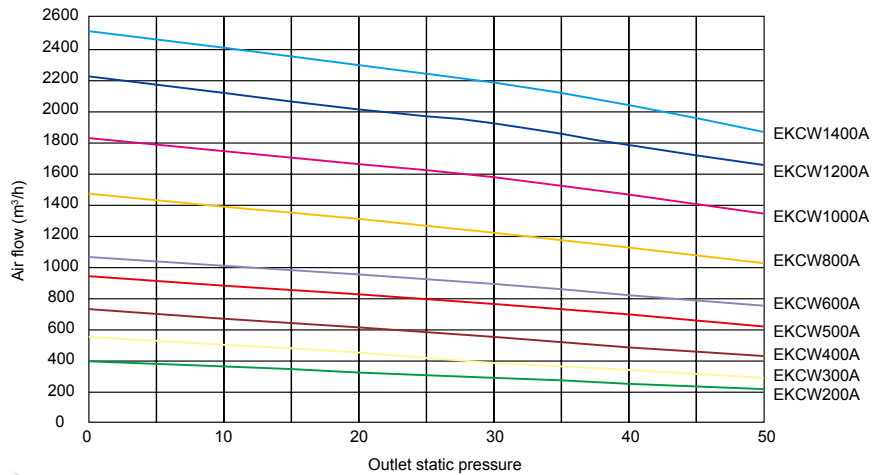
Note:

- Working conditions for cooling: inlet air temperature - dry/wet bulb 27°C/19.5°C; temperature of inlet/outlet water - 7°C/12°C.
- Working conditions for heating: inlet air temperature - dry bulb 21°C; inlet water temperature 60°C; water flow - equal to that for cooling operation.
- Working conditions for heating ① (heating water coil): temperature of inlet air - dry bulb 21°C; inlet water 60°C; outlet water 50°C.
- Working conditions for heating ② (heating water coil): temperature of inlet air - dry bulb 21°C; inlet water 82.2°C; outlet water 60°C.
- Rated air flow is measured under standard atmosphere using dry coils (dry bulb 20°C).
- Sound pressure grade and sound level are measured in a semi-silent room as per GB/T 19232-2003.
- H, M and L represent high, medium and low fan speed respectively.
- Static pressure refers to outlet static pressure.
- All performance parameters in the above table are measured with a power supply of 220V~/50Hz.

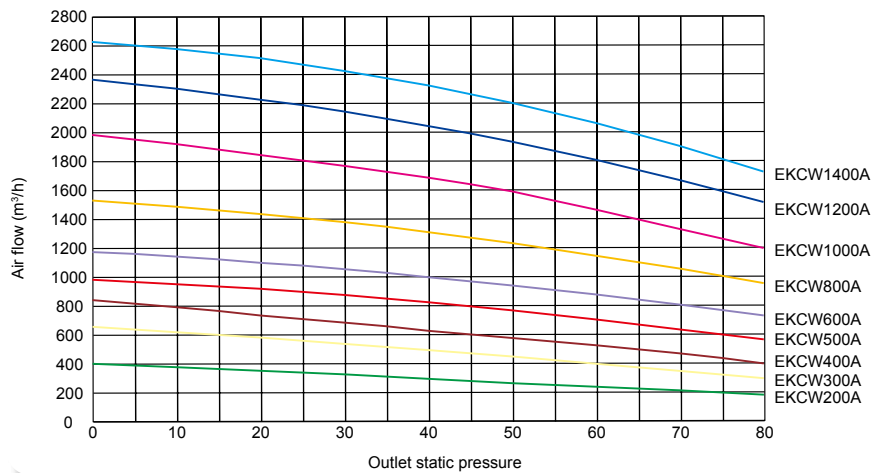
Horizontal Concealed Fan Coil EKCW-A

Air Flow Properties (for All EKCW-A Series Units)

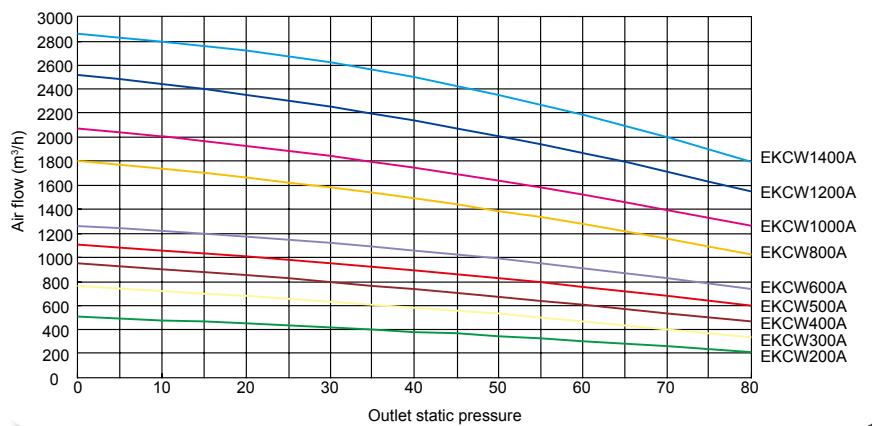
Outlet static pressure: 12Pa



Outlet static pressure: 30Pa



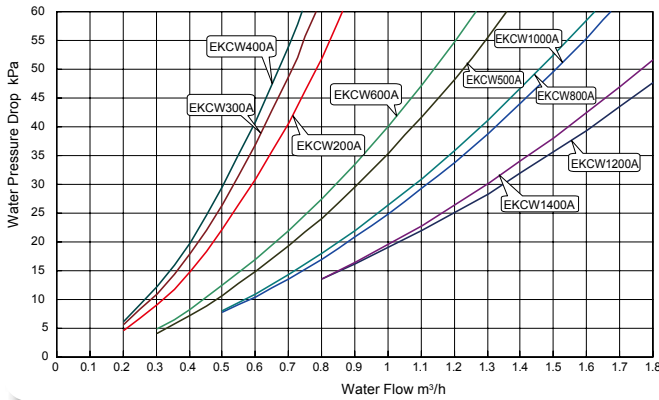
Outlet static pressure: 50Pa



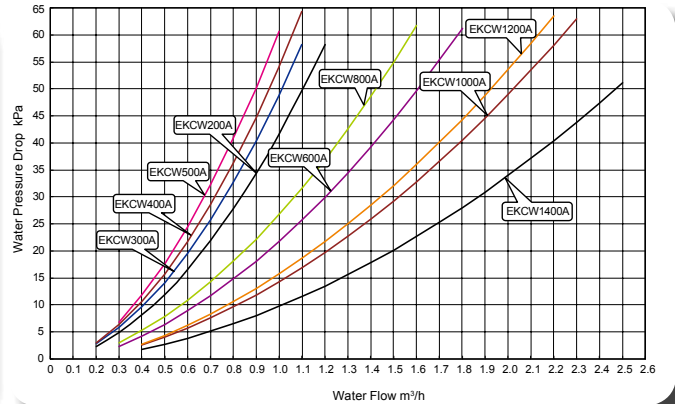
Horizontal Concealed Fan Coil EKCW-A

Curve for Water Pressure Drop

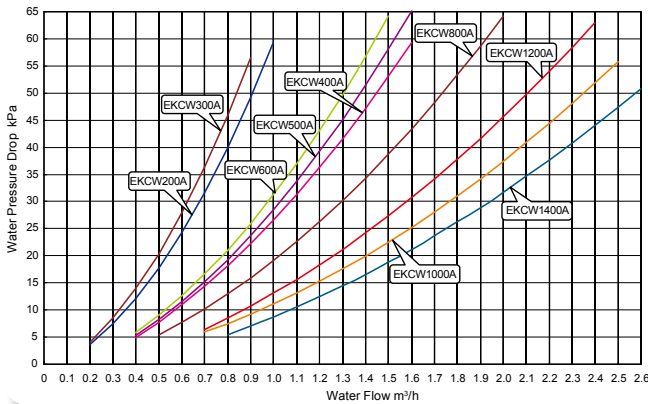
EKCW-AA



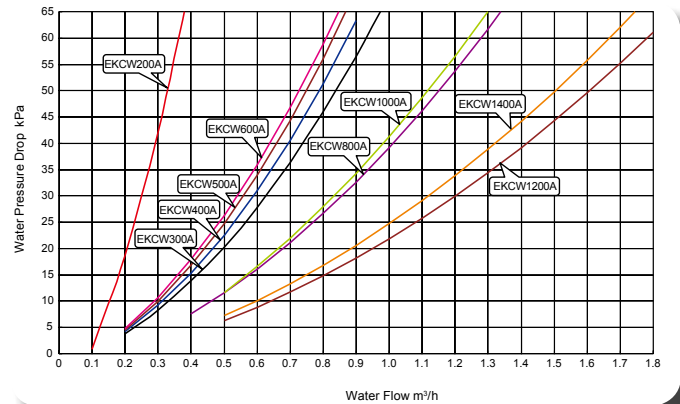
EKCW-AT



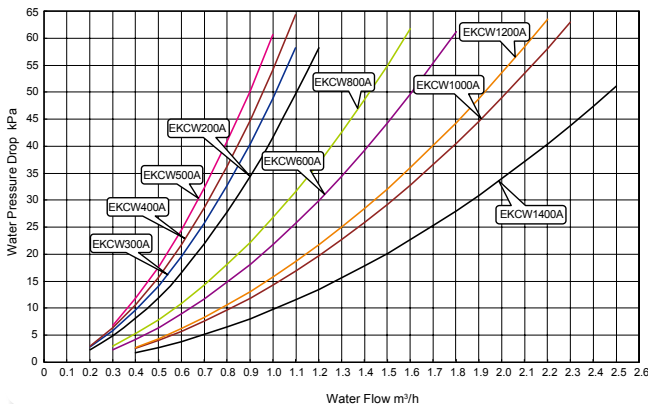
EKCW-AC



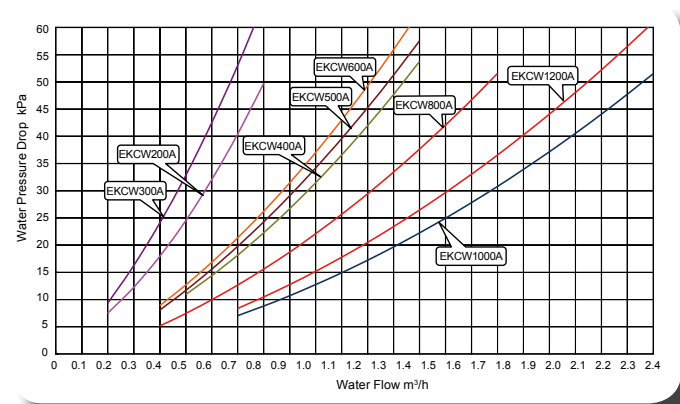
EKCW-AD



EKCW-AM (chilled water coil)



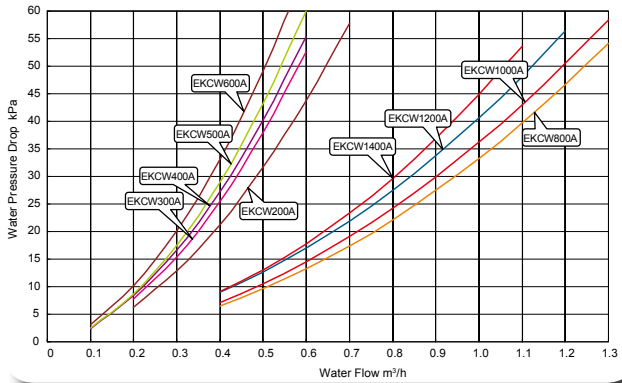
EKCW-AH (chilled water coil)



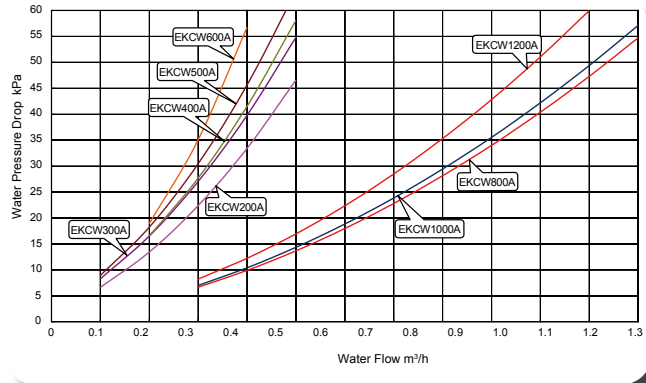
Horizontal Concealed Fan Coil EKCW-A

Curve for Water Pressure Drop

EKCW-AM (hot water coil)



EKCW-AH (hot water coil)



Capacity correction factor (for All EKCW-A Series Units)

Cooling capacity correction factor

Model		EKCW 200A	EKCW 300A	EKCW 400A	EKCW 500A	EKCW 600A	EKCW 800A	EKCW 1000A	EKCW 1200A	EKCW 1400A
Medium	Total heat	0.92	0.92	0.90	0.90	0.90	0.93	0.94	0.92	0.92
	Sensible heat	0.89	0.88	0.86	0.88	0.87	0.90	0.92	0.89	0.89
Low	Total heat	0.69	0.68	0.70	0.68	0.72	0.74	0.75	0.76	0.75
	Sensible heat	0.63	0.64	0.60	0.58	0.64	0.67	0.68	0.69	0.68

Heating capacity correction factor

Model	EKCW 200A	EKCW 300A	EKCW 400A	EKCW 500A	EKCW 600A	EKCW 800A	EKCW 1000A	EKCW 1200A	EKCW 1400A
Medium	0.88	0.88	0.86	0.85	0.86	0.89	0.90	0.88	0.86
Low	0.62	0.63	0.60	0.57	0.61	0.65	0.64	0.63	0.63

Horizontal Concealed Fan Coil EKCW-A

Unit Operation Sound Level (Dual Pipe with 3 Rows of Coils EKCW-AC/EKCW-AD; Quad Pipe with 3 Rows of Coils EKCW-AM)

Model EKCW	Fan speed	Outlet static pressure: 12 Pa									Outlet static pressure: 30 Pa									Outlet static pressure: 50 Pa								
		1/1 of central frequency dB(A) ref 20 µPa								Integrated sound level dB(A)	1/1 of central frequency dB(A) ref 20 µPa								Integrated sound level dB(A)	1/1 of central frequency dB(A) ref 20 µPa								Integrated sound level dB(A)
		63	125	250	500	1000	2000	4000	8000		63	125	250	500	1000	2000	4000	8000		63	125	250	500	1000	2000	4000	8000	
200A	H	9	20	24	29	31	27	16	13	34.5	8	21	28	31	33	29	18	14	37.0	12	26	31	33	35	32	22	15	39.5
	M	9	20	23	25	27	25	15	13	31.7	7	17	25	26	29	25	15	11	32.8	9	24	27	29	31	28	16	12	35.0
	L	7	18	18	19	23	20	14	13	27.5	6	7	15	18	20	18	12	11	24.8	5	19	18	20	19	14	11	11	25.5
300A	H	12	21	26	30	31	26	16	11	35.0	13	24	30	33	35	31	21	15	39.0	16	28	33	36	39	35	25	17	42.5
	M	9	18	22	25	26	21	13	11	30.0	11	22	27	30	31	27	16	11	35.0	14	25	30	33	34	30	20	13	38.5
	L	7	14	11	11	10	10	11	10	20.0	9	15	18	19	18	14	11	10	25.0	13	18	22	25	25	19	12	11	29.5
400A	H	10	20	26	32	32	28	19	13	36.5	14	26	30	37	38	34	23	15	42.0	17	30	34	38	40	36	26	17	44.0
	M	10	18	22	28	27	23	14	13	32.0	12	23	25	30	30	26	16	13	34.5	16	28	31	36	36	32	22	14	40.5
	L	10	15	13	15	14	12	12	12	22.5	11	20	17	21	20	14	12	13	26.5	11	22	25	29	29	24	14	11	33.5
500A	H	12	24	31	36	38	34	25	17	41.5	16	27	32	37	39	35	26	18	43.0	17	30	36	39	42	38	29	21	45.5
	M	13	20	25	30	31	27	16	13	35.0	12	23	28	32	33	30	19	14	37.5	16	28	32	36	38	34	24	16	41.5
	L	10	14	16	19	17	13	12	13	24.0	16	15	17	19	19	14	12	13	25.5	12	23	24	28	27	23	13	11	32.5
600A	H	13	28	33	37	41	38	28	20	44.5	14	30	35	39	43	40	31	22	46.0	15	30	35	40	43	40	32	22	46.5
	M	12	23	28	33	34	31	20	13	38.0	13	27	31	36	38	35	25	16	42.0	14	28	32	36	39	36	27	17	42.5
	L	10	18	21	24	24	20	12	11	29.0	12	16	20	24	23	18	11	11	28.0	15	21	25	29	30	27	16	11	34.5
800A	H	15	28	34	38	41	38	28	18	44.5	15	29	35	39	41	39	29	19	45.5	18	32	38	40	44	41	33	24	48.0
	M	13	25	29	33	35	32	21	13	39.0	13	26	31	35	37	34	23	14	40.5	15	29	35	38	41	38	28	18	44.0
	L	11	21	22	26	25	20	12	11	30.5	10	20	21	25	24	19	12	11	29.5	12	22	27	30	31	28	16	11	35.5
1000A	H	15	32	37	41	44	41	32	25	47.5	17	34	39	42	46	43	35	28	50.0	18	35	40	42	47	43	34	29	50.0
	M	13	29	32	37	39	36	25	19	42.5	15	32	36	40	43	40	30	23	46.5	16	36	36	39	43	40	30	24	46.5
	L	9	27	24	28	29	24	15	13	34.0	10	25	26	30	31	27	16	13	35.5	12	32	27	31	32	28	17	14	37.0
1200A	H	17	33	38	41	45	42	32	24	48.5	18	33	39	43	46	43	33	26	50.0	20	36	41	44	48	44	35	28	51.0
	M	16	29	33	37	40	36	25	17	43.0	16	30	35	39	41	37	27	19	45.0	17	33	37	40	44	40	30	22	47.0
	L	13	22	26	30	30	25	14	13	34.5	9	22	24	28	28	22	12	11	33.5	18	28	32	36	37	33	21	15	41.0
1400A	H	18	34	40	44	48	45	39	28	51.5	19	35	41	45	48	45	38	27	52.0	21	36	43	47	49	47	40	31	53.5
	M	16	30	36	41	43	40	31	20	46.5	15	30	35	40	42	40	29	18	46.0	19	34	39	44	46	44	40	28	50.5
	L	13	22	27	32	31	28	16	13	36.0	9	23	26	31	30	26	15	13	35.0	14	29	34	39	40	38	31	20	44.0

Horizontal Concealed Fan Coil EKCW-A

Unit Operation Sound Level (Dual Pipe with 2 Rows of Coils EKCW-AT)

Model EKCW	Fan speed	Outlet static pressure: 12 Pa									Outlet static pressure: 30 Pa								Outlet static pressure: 50 Pa									
		1/1 of central frequency dB(A) ref 20 µPa								Integrated sound level dB(A)	1/1 of central frequency dB(A) ref 20 µPa								Integrated sound level dB(A)	1/1 of central frequency dB(A) ref 20 µPa								Integrated sound level dB(A)
		63	125	250	500	1000	2000	4000	8000		63	125	250	500	1000	2000	4000	8000		63	125	250	500	1000	2000	4000	8000	
200AT	H	12	17	23	29	30	28	16	13	34.5	13	20	26	30	34	29	18	14	37.0	14	27	31	33	37	34	28	17	41.0
	M	14	17	19	23	23	19	13	13	28.0	14	17	23	27	27	23	14	13	31.5	12	24	28	30	33	31	23	15	37.5
	L	13	12	10	10	10	11	12	13	20.5	15	13	12	13	12	11	13	13	22.0	11	17	19	21	21	20	13	13	27.5
300AT	H	14	20	23	28	30	27	16	13	34.5	14	24	29	34	36	33	25	15	40.0	17	26	32	36	39	36	26	18	43.0
	M	14	17	20	24	26	21	13	13	30.0	12	21	27	30	32	29	20	14	36.0	16	21	28	33	34	31	20	13	38.0
	L	17	15	14	11	11	12	12	13	22.5	11	15	18	21	20	16	13	13	26.0	15	15	19	23	23	18	11	11	28.0
400AT	H	14	22	27	32	34	30	19	14	37.5	14	27	31	36	38	36	26	16	42.5	16	29	34	38	41	39	29	19	45.0
	M	13	20	24	28	29	25	15	13	33.5	14	22	26	30	32	28	17	11	36.0	15	25	30	35	37	34	23	15	40.5
	L	15	17	16	18	16	13	13	13	24.5	11	18	19	22	22	16	12	11	27.5	12	19	23	28	28	25	14	13	32.5
500AT	H	15	25	30	34	37	34	24	16	41.0	17	29	33	37	40	37	29	19	44.0	17	30	35	38	42	39	30	21	46.0
	M	15	20	23	28	28	24	15	13	33.0	22	24	28	33	35	32	21	14	39.0	16	27	31	35	38	35	24	17	41.5
	L	13	15	16	18	16	13	13	13	24.0	18	16	18	22	21	16	13	13	27.5	15	19	23	28	28	23	15	13	32.5
600AT	H	19	29	34	38	41	39	31	23	45.0	15	30	35	38	42	39	31	24	45.5	17	32	37	40	43	41	36	25	47.5
	M	14	24	28	33	35	32	22	16	39.0	12	26	29	34	36	34	23	18	40.0	15	29	34	37	40	38	33	20	44.0
	L	15	17	21	25	25	21	14	13	30.0	10	15	18	23	21	18	13	13	27.0	13	23	27	31	32	30	20	14	36.5
800AT	H	15	29	35	38	40	38	28	20	44.5	17	31	36	40	42	39	30	24	46.5	18	31	38	41	44	41	35	26	48.0
	M	13	26	31	35	36	33	21	15	40.0	14	27	32	36	39	35	25	19	42.5	17	30	35	38	41	39	32	21	45.5
	L	11	20	23	26	26	23	13	13	31.5	12	19	24	28	27	23	14	13	32.5	12	25	29	32	33	31	23	14	38.0
1000AT	H	17	32	38	41	45	41	31	27	48.0	18	34	39	42	46	43	34	30	49.5	19	35	40	43	46	43	34	31	50.0
	M	15	27	33	37	40	36	24	20	43.5	15	31	35	39	42	39	29	25	45.9	19	36	40	43	46	40	30	26	46.5
	L	14	28	25	29	29	24	14	13	34.5	12	23	25	30	31	26	15	14	35.0	15	31	36	40	43	40	30	26	46.5
1200AT	H	18	33	38	42	45	42	33	26	49.0	17	34	38	42	46	43	35	28	49.5	20	35	40	43	47	44	36	28	51.0
	M	15	28	33	38	40	37	27	21	44.0	16	31	34	38	42	39	29	22	45.5	18	32	36	40	43	40	31	22	47.0
	L	12	21	25	30	31	27	21	19	35.5	12	21	24	29	30	25	15	13	34.0	7	20	25	31	32	28	18	10	36.0
1400AT	H	19	31	40	45	48	46	38	28	52.0	19	35	42	47	48	46	37	29	53.0	23	37	42	46	49	47	40	30	53.5
	M	17	32	36	41	44	41	31	21	47.5	17	32	38	40	42	40	28	20	46.5	21	37	39	43	46	44	37	26	50.5
	L	14	29	26	32	32	27	16	13	37.0	13	27	27	31	30	26	15	13	35.5	18	34	35	40	42	39	31	20	46.5

Horizontal Concealed Fan Coil EKCW-A

Unit Operation Sound Level (Dual Pipe with 4 Rows of Coils EKCW-AA)

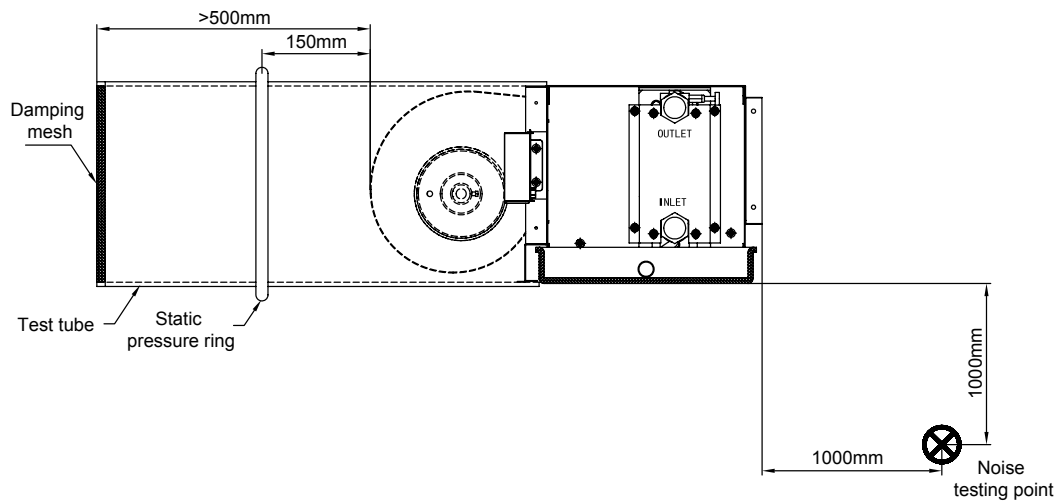
Model EKCW	Fan speed	Outlet static pressure: 12 Pa								Outlet static pressure: 30 Pa								Outlet static pressure: 50 Pa										
		1/1 of central frequency dB(A) ref 20 µPa								Integrated sound level dB(A)	1/1 of central frequency dB(A) ref 20 µPa								Integrated sound level dB(A)	1/1 of central frequency dB(A) ref 20 µPa								Integrated sound level dB(A)
		63	125	250	500	1000	2000	4000	8000		63	125	250	500	1000	2000	4000	8000		63	125	250	500	1000	2000	4000	8000	
200AA	H	14	17	23	29	29	25	15	14	33.5	14	23	28	33	36	31	19	14	39.5	16	25	30	35	38	35	25	17	42.0
	M	14	14	20	24	24	19	13	13	29.1	13	19	22	27	28	23	15	13	32.2	13	23	27	31	34	31	20	14	37.6
	L	14	12	8	11	10	11	12	13	20.9	11	16	12	16	16	12	13	13	22.9	13	16	18	22	23	17	13	13	27.6
300AA	H	12	17	23	27	29	24	15	13	32.5	12	22	29	34	36	32	21	15	40.0	15	26	32	36	39	35	26	18	43.0
	M	11	15	19	22	23	18	13	13	27.7	12	20	26	30	32	28	18	13	35.8	13	22	27	32	34	30	20	14	37.8
	L	11	12	8	14	13	11	12	13	21.0	11	13	17	20	19	15	13	13	25.3	11	15	19	23	23	18	13	13	27.9
400AA	H	21	23	26	32	35	31	19	15	38.5	15	27	31	36	39	36	26	21	43.0	18	29	33	38	41	38	28	19	45.0
	M	11	20	23	28	30	26	15	14	34.0	14	22	26	31	32	28	21	20	36.3	16	25	29	35	37	33	22	16	40.4
	L	9	16	14	21	18	13	13	14	25.1	15	17	19	22	23	19	18	20	28.8	13	20	21	30	27	21	14	15	32.6
500AA	H	14	26	30	35	38	34	24	16	41.5	16	29	33	37	40	38	28	19	44.0	16	30	34	39	42	39	31	21	46.0
	M	14	20	23	29	29	24	15	13	33.5	13	25	28	33	35	32	21	13	38.9	15	26	30	35	38	34	25	16	41.4
	L	12	16	14	17	16	13	13	13	23.5	12	19	17	22	22	16	11	11	27.0	11	17	22	28	28	22	14	14	32.3
600AA	H	14	28	33	37	40	39	27	20	44.5	22	30	35	39	42	40	30	23	46.0	18	32	37	40	43	41	31	24	47.5
	M	12	22	28	33	35	33	20	15	39.1	14	27	31	35	38	35	24	16	41.6	18	29	33	37	40	38	27	19	43.6
	L	13	16	20	27	26	20	13	14	31.1	10	22	20	25	25	20	13	13	30.3	12	20	24	29	30	27	16	14	34.6
800AA	H	15	29	34	38	41	39	29	19	45.0	17	29	34	39	42	40	30	20	46.0	20	32	38	42	44	42	34	24	48.5
	M	12	28	30	34	36	33	22	15	40.2	15	26	32	36	39	36	25	16	42.5	18	30	34	39	41	39	29	19	45.2
	L	10	25	22	29	26	21	14	13	32.7	14	20	23	28	28	23	14	13	32.4	15	25	27	32	33	30	19	14	37.4
1000AA	H	16	30	37	40	44	42	32	24	48.0	19	32	40	43	47	44	36	27	50.0	19	33	39	42	47	44	36	27	50.5
	M	14	27	33	37	40	37	26	18	43.5	17	30	36	40	43	40	31	21	46.6	17	31	36	40	43	41	32	22	47.0
	L	12	19	25	28	30	26	15	13	34.0	13	24	28	33	34	30	19	14	37.9	16	23	27	31	33	29	18	12	37.3
1200AA	H	17	32	37	42	45	43	33	23	49.0	18	33	40	44	46	45	36	27	50.5	21	37	42	45	49	47	38	29	52.5
	M	17	28	32	38	40	37	26	16	43.9	16	31	36	40	43	41	31	24	46.7	17	33	37	41	44	42	32	23	48.0
	L	13	24	25	30	30	25	14	11	34.8	12	23	25	31	31	27	16	14	35.8	15	27	30	35	37	34	22	15	41.1
1400AA	H	18	33	39	45	46	45	36	26	51.0	21	35	40	44	48	45	36	26	51.5	21	38	42	47	48	47	37	28	53.0
	M	17	31	36	42	43	40	31	20	47.4	16	31	34	40	42	39	28	18	45.9	19	38	39	44	45	43	33	23	49.8
	L	15	25	28	36	33	29	17	14	39.0	16	26	25	34	30	25	15	13	36.8	18	36	34	38	40	38	25	16	44.6

Horizontal Concealed Fan Coil EKCW-A

Unit Operation Sound Level (Quad Pipe with 3+1 Rows of Coils EKCW-AA)

Model EKCW	Fan speed	Outlet static pressure: 12 Pa									Outlet static pressure: 30 Pa									Outlet static pressure: 50 Pa								
		1/1 of central frequency dB(A) ref 20 µPa								Integrated sound level dB(A)	1/1 of central frequency dB(A) ref 20 µPa								Integrated sound level dB(A)	1/1 of central frequency dB(A) ref 20 µPa								Integrated sound level dB(A)
		63	125	250	500	1000	2000	4000	8000		63	125	250	500	1000	2000	4000	8000		63	125	250	500	1000	2000	4000	8000	
200AH	H	14	17	23	29	29	25	15	14	33.5	14	23	28	33	36	31	19	14	39.5	16	25	30	35	38	35	25	17	42.0
	M	14	14	20	24	24	19	13	13	29.1	13	19	22	27	28	23	15	13	32.2	13	23	27	31	34	31	20	14	37.6
	L	14	12	8	11	10	11	12	13	20.9	11	16	12	16	16	12	13	13	22.9	13	16	18	22	23	17	13	13	27.6
300AH	H	12	17	23	27	29	24	15	13	32.5	12	22	29	34	36	32	21	15	40.0	15	26	32	36	39	35	26	18	43.0
	M	11	15	19	22	23	18	13	13	27.7	12	20	26	30	32	28	18	13	35.8	13	22	27	32	34	30	20	14	37.8
	L	11	12	8	14	13	11	12	13	21.0	11	13	17	20	19	15	13	13	25.3	11	15	19	23	23	18	13	13	27.9
400AH	H	21	23	26	32	35	31	19	15	38.5	15	27	31	36	39	36	26	21	43.0	18	29	33	38	41	38	28	19	45.0
	M	11	20	23	28	30	26	15	14	34.0	14	22	26	31	32	28	21	20	36.3	16	25	29	35	37	33	22	16	40.4
	L	9	16	14	21	18	13	13	14	25.1	15	17	19	22	23	19	18	20	28.8	13	20	21	30	27	21	14	15	32.6
500AH	H	14	26	30	35	38	34	24	16	41.5	16	29	33	37	40	38	28	19	44.0	16	30	34	39	42	39	31	21	46.0
	M	14	20	23	29	29	24	15	13	33.5	13	25	28	33	35	32	21	13	38.9	15	26	30	35	38	34	25	16	41.4
	L	12	16	14	17	16	13	13	13	23.5	12	19	17	22	22	16	11	11	27.0	11	17	22	28	28	22	14	14	32.3
600AH	H	14	28	33	37	40	39	27	20	44.5	22	30	35	39	42	40	30	23	46.0	18	32	37	40	43	41	31	24	47.5
	M	12	22	28	33	35	33	20	15	39.1	14	27	31	35	38	35	24	16	41.6	18	29	33	37	40	38	27	19	43.6
	L	13	16	20	27	26	20	13	14	31.1	10	22	20	25	25	20	13	13	30.3	12	20	24	29	30	27	16	14	34.6
800AH	H	15	29	34	38	41	39	29	19	45.0	17	29	34	39	42	40	30	20	46.0	20	32	38	42	44	42	34	24	48.5
	M	12	28	30	34	36	33	22	15	40.2	15	26	32	36	39	36	25	16	42.5	18	30	34	39	41	39	29	19	45.2
	L	10	25	22	29	26	21	14	13	32.7	14	20	23	28	28	23	14	13	32.4	15	25	27	32	33	30	19	14	37.4
1000AH	H	16	30	37	40	44	42	32	24	48.0	19	32	40	43	47	44	36	27	50.0	19	33	39	42	47	44	36	27	50.5
	M	14	27	33	37	40	37	26	18	43.5	17	30	36	40	43	40	31	21	46.6	17	31	36	40	43	41	32	22	47.0
	L	12	19	25	28	30	26	15	13	34.0	13	24	28	33	34	30	19	14	37.9	16	23	27	31	33	29	18	12	37.3
1200AH	H	17	32	37	42	45	43	33	23	49.0	18	33	40	44	46	45	36	27	50.5	21	37	42	45	49	47	38	29	52.5
	M	17	28	32	38	40	37	26	16	43.9	16	31	36	40	43	41	31	24	46.7	17	33	37	41	44	42	32	23	48.0
	L	13	24	25	30	30	25	14	11	34.8	12	23	25	31	31	27	16	14	35.8	15	27	30	35	37	34	22	15	41.1

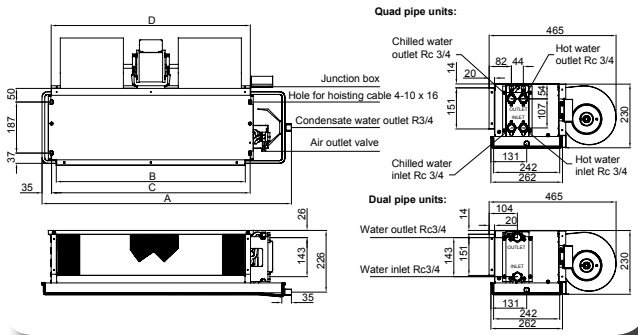
Note: sound levels are measured in a semi-silent room. Testing points are illustrated in the following figure:



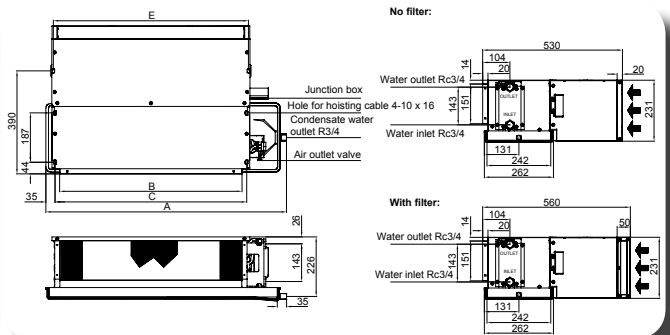
Horizontal Concealed Fan Coil EKCW-A

Dimensions of Horizontal Concealed Fan Coil EKCW-A Units

No return air plenum:



With backward return air plenum:

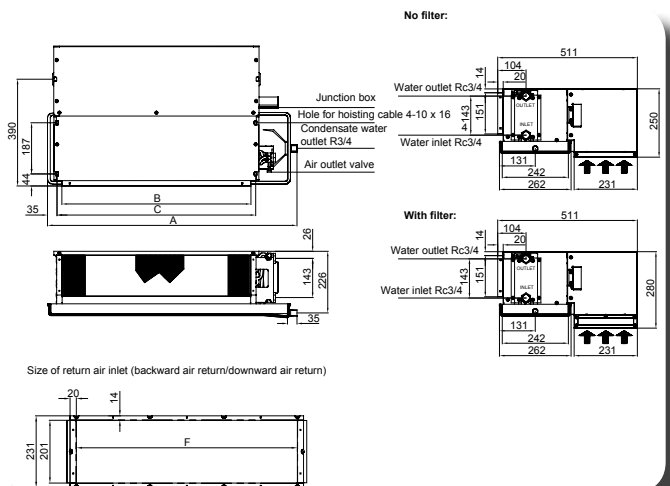


Unit: mm

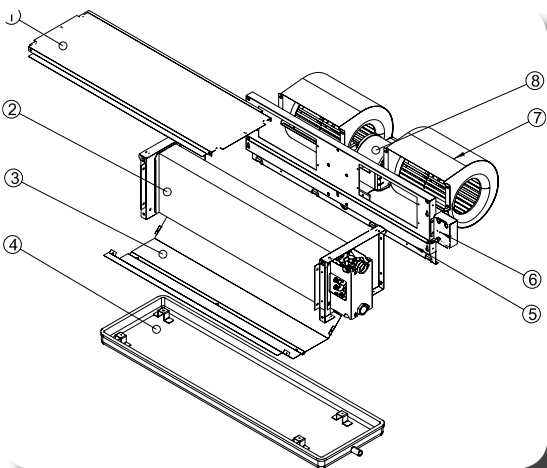
Model	A		B	C	D	E	F	Qty. of Fans
	Standard Water Collector	Extended Water Collector						
EKCW200A	675	775	452	487	490	520	470	1
EKCW300A	815	915	592	627	630	660	610	2
EKCW400A	915	1015	692	727	730	760	710	2
EKCW500A	995	1095	772	807	810	840	790	2
EKCW600A	1095	1195	872	907	910	940	890	2
EKCW800A	1425	1525	1202	1237	1240	1270	1220	3
EKCW1000A	1525	1625	1302	1337	1340	1370	1320	4
EKCW1200A	1725	1825	1502	1537	1540	1570	1520	4
EKCW1400A	1985	2085	1762	1797	1800	1830	1780	4

- In the preceding unit, the water pipe are connected on the right side.
- The code A indicates extended water collector, which is 100 mm longer than a standard water collector.

With downward return air plenum:



Unit Exploded View



1. Top panel
2. Heat exchange coil
3. Air induction plate
4. Water collector
5. Motor panel
6. Junction box
7. Fan
8. Motor

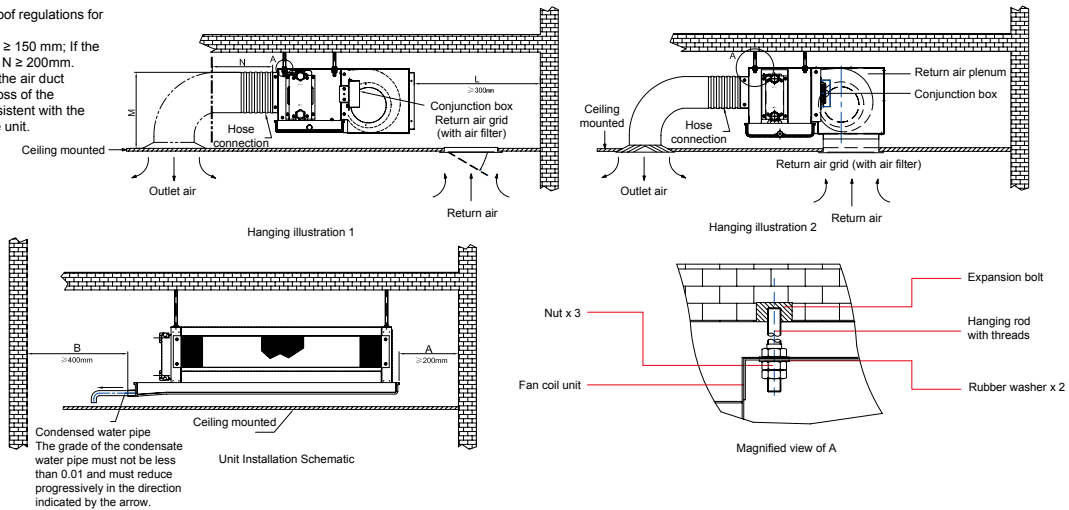
Note:

The figure shows a EKCW400AC unit without return air plenum or filter.

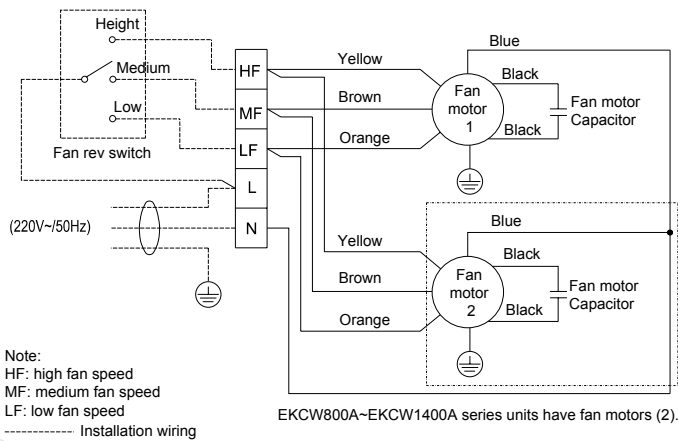
Horizontal Concealed Fan Coil EKCW-A

Installation Dimension Illustration (for All EKCW-A Series Units)

- Note:
1. The air duct must be fireproof regulations for buildings.
 2. For horizontal air supply, $N \geq 150$ mm; If the air duct is longer than 1 m, $N \geq 200$ mm.
 3. The size of M depends on the air duct installation. The pressure loss of the circulatory air must be consistent with the outlet static pressure of the unit.



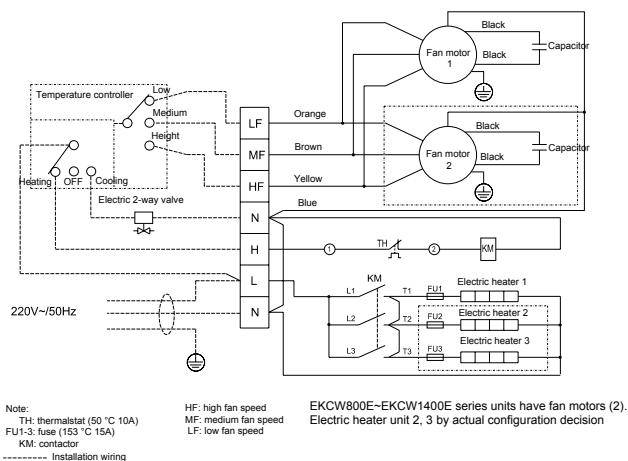
Electric Wiring Diagram



Note:

1. Before connecting electric wires, verify that the power supply specifications meet the requirements specified on the nameplate. Disconnect power cables to avoid electric shock.
2. Electric connection must be performed according to the electric wiring diagram. The unit must be well grounded.
3. The voltage, frequency and number of phases of the power supply must meet the requirements specified on the nameplate. The voltage fluctuations must not exceed $\pm 10\%$.
4. Do not connect units of different models parallel. A maximum of two units of the same model can be connected parallel. If these requirements are violated, the motor may be damaged.

Units with Internal Electric Heater



The PTC heater uses a ceramic heating component that has a low heat resistance and high heating performance. The heater has a high heat exchange efficiency, works without flame, and is therefore very safe.

Note:

1. Before connecting electric wires, verify that the power supply specifications meet the requirements specified on the nameplate. Disconnect power cables to avoid electric shock.
2. Electric connection must be performed according to the electric wiring diagram. The unit must be well grounded.
3. The voltage, frequency and number of phases of the power supply must meet the requirements specified on the nameplate. The voltage fluctuations must not exceed $\pm 10\%$.
4. Do not connect units of different models parallel. A maximum of two units of the same model can be connected parallel. If these requirements are violated, the motor may be damaged.

Horizontal Exposed Fan Coil EKCW-E

Stylish Exterior

The unit is stylish and ultra-thin, fits various decoration styles, and meets decoration as well as cost saving requirements.



Silent Operation

The unit features an optimal design and a high-efficiency low-sound centrifugal fan, and has undergone strict motion/rest rectification to ensure that it works at high efficiency with low noise.

Efficient and Energy Saving

To maximize heat transfer and exchange efficiency, the unit features heat exchange coils made of quality copper tubes, efficient hyperbolic aluminum shutter fins, precise mechanic tube expansion and a centrifugal fan with wide impellers, high air supply capacity, and low noise.

22

Filter

A washable nylon air filter with primary efficiency is installed at the air inlet to ensure air quality.

Multi-grade Modulation

The unit features a single-phase capacitive motor with a high precision ball bearing to provide three grades which can meet various air rate requirements.

Easy to Install and Maintain

The unit is ceiling mounted and requires no special processing for walls and ceilings. The filter at the air inlet can be easily removed and replaced.

Horizontal Exposed Fan Coil EKCW-E

Nomenclature

EKCW 1000 E C - R F - A 0 A C
 1 2 3 4 5 6 7 8 9 10

1. EKCW EK Fan Coil Unit
2. 1000 Rated air flow
3. E Horizontal Exposed Fan Coil
4. C Coil type T-2C0H C-3C0H F-4C0H M-2C1H N-2C2H H-3C1H
 D-3C0H (units for large temperature drop and small flow)
 A-4C0H (units for large temperature drop and small flow)
 (note: C—chilled water coil; H—heating water coil)
5. R Orientation of connection pipe: R - Right (toward air outlet)
 L - Left (toward air outlet)
6. F Filter: F - nylon filtering screen with aluminum alloy frame of 8 mm
 J - refrigerant filter with aluminum alloy frame of 8 mm
7. A Code for water collector (see Table for Water Collector Codes)
8. 0 Code for built-in electric heater:
 0 - no electric heater; 1 - electric heater of 1.0 kW (so on and so forth)
9. A Power supply: A-220V~/50Hz K-208-230V~/60Hz
 N-115V~/60Hz W-265-277V~/60Hz
10. C Market code: C - Mainland China; D - Hong Kong and Macao, China; E - Other regions



Table for Water Collector Codes

Code	Material	Heat preservation	Legth
A	Common cold-rolled sheet	7 mm thick (made of PE)	Standard length
E	Stainless steel water collector	7 mm thick (made of PE)	Standard length
I	Common cold-rolled sheet	6 mm thick (Grade 1 made by Armstrong 1)	Standard length
J	Stainless steel water collector	6 mm thick (Grade 1 made by Armstrong 1)	Standard length
K	Common cold-rolled sheet	6 mm thick (Grade 0 made by Armstrong 1)	Standard length
L	Stainless steel water collector	6 mm thick (Grade 0 made by Armstrong 1)	Standard length

Note: cold-rolled sheets are painted with epoxy resin; stainless steel water collectors are made of 304 stainless steel.

Horizontal Exposed Fan Coil EKCW-E

Specifications (Dual Pipe with 3 Rows of Coils)

Performance		Model	EKCW 200EC	EKCW 300EC	EKCW 400EC	EKCW 500EC	EKCW 600EC	EKCW 800EC	EKCW 1000EC	EKCW 1200EC	EKCW 1400EC
Rated air flow (m ³ /h)	H		340	510	680	850	1020	1360	1700	2040	2380
	M		279	418	558	697	836	1115	1394	1673	1952
	L		170	255	340	425	510	680	850	1020	1190
Rated cooling capacity (W)	Total heating/ cooling capacity	H	2260	3480	4490	5140	6450	8490	10030	11540	13600
	Sensible heating/ cooling capacity	H	1490	2170	2870	3600	4370	6080	7110	8500	9920
Rated heating capacity (W)		H	3610	5480	7050	7900	9770	13210	16230	18160	21810
Rated input power (W)		H	39	53	72	83	107	142	183	217	239
Working current (A)		H	0.18	0.24	0.33	0.38	0.48	0.65	0.83	0.99	1.09
Sound dB(A)		H	37.0	39.0	42.0	43.0	46.0	45.5	50.0	50.0	52.0
Water flow (m ³ /h)			0.44	0.61	0.74	0.96	1.10	1.54	1.75	2.10	2.47
Water resistance (cooling) (kPa)			13	30	17	24	36	36	29	40	42
Water resistance (heating) (kPa)			11	23	13	20	29	31	22	37	35
Coil	Type	Mechanically expanded quality copper tubes specially designed for air conditioners with shutter-type hyperbolic aluminum fins									
	Working pressure	1.6MPa									
	Test pressure	Airtightness test under pressurized water: 3.3 MPa									
Fan	Type	Forward-pitched multi-wing centrifugal fan with double-suction impellers made from zinc-plated steel plates									
	Qty.	1	2	2	2	2	3	4	4	4	4
Motor	Type	Single-phase ball-bearing capacitive motor with a high precision and low operation sound									
	Qty.	1	1	1	1	1	2	2	2	2	2
	Power supply	220V~/50Hz									
	Protection grade	IP20									
Insulation grade		B									
Inlet/outlet water pipe	Connector size	Rc3/4 taper pipe with internal thread									
Condensate water pipe	Pipe diameter	Φ21mm									
Net weight (no electric heater) (Kg)		27.1	31.4	35.4	37.5	39.9	55.4	59.9	65.7	76.5	
Electric heater (optional)	Power supply	220V~/50Hz					380V/3N~/50Hz				
	Electric heater (kW)	1.0/2.0	1.0/2.0/3.0	2.0/3.0/4.0	2.0/3.0/4.0	2.0/3.0/4.0	3.0/4.0/5.0	3.0/4.0/5.0	4.0/5.0/6.0	5.0/6.0/7.0	
Net weight (with electric heater) (kg)		30.1	34.7	39.1	41.4	44.1	60.5	65.2	71.5	83.0	

Note:

- Working conditions for cooling: inlet air temperature - dry/wet bulb 27°C/19.5°C; temperature of inlet/outlet water - 7°C/12°C.
- Working conditions for heating: inlet air temperature - dry bulb 21°C; inlet water temperature 60°C; water flow - equal to that for cooling operation.
- Rated air flow is measured under standard atmosphere using dry coils (dry bulb 20°C).
- Sound pressure grade and sound level are measured in a semi-silent room as per GB/T 19232-2003.
- H, M and L represent high, medium and low fan speed respectively.
- All performance parameters in the above table are measure with a power supply of 220V~/50Hz.

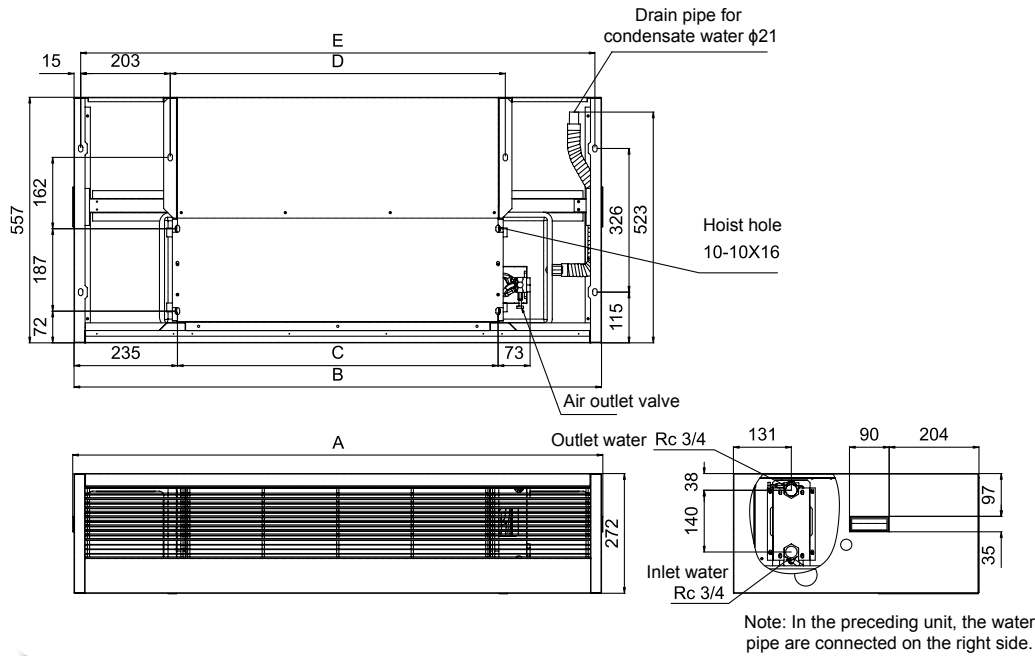
Horizontal Exposed Fan Coil EKCW-E

Unit Operation Sound Level (Dual Pipe with 3 Rows of Coils EKCW-EC)

Model EKCW	Fan speed	Outlet static pressure: 0 Pa								
		1/1 of central frequency dB(A) ref 20 µPa								Integrated sound level dB(A)
		63	125	250	500	1000	2000	4000	8000	
200E	H	8	21	28	31	33	29	18	14	37.0
	M	7	17	25	26	29	25	15	11	32.8
	L	6	7	15	18	20	18	12	11	24.8
300E	H	13	24	30	33	35	31	21	15	39.0
	M	11	22	27	30	31	27	16	11	35.0
	L	9	15	18	19	18	14	11	10	25.0
400E	H	14	26	30	37	38	34	23	15	42.0
	M	12	23	25	30	30	26	16	13	34.5
	L	11	20	17	21	20	14	12	13	26.5
500E	H	16	27	32	37	39	35	26	18	43.0
	M	12	23	28	32	33	30	19	14	37.5
	L	16	15	17	19	19	14	12	13	25.5
600E	H	14	30	35	39	43	40	31	22	46.0
	M	13	27	31	36	38	35	25	16	42.0
	L	12	16	20	24	23	18	11	11	28.0
800E	H	15	29	35	39	41	39	29	19	45.5
	M	13	26	31	35	37	34	23	14	40.5
	L	10	20	21	25	24	19	12	11	29.5
1000E	H	17	34	39	42	46	43	35	28	50.0
	M	15	32	36	40	43	40	30	23	46.5
	L	10	25	26	30	31	27	16	13	35.5
1200E	H	18	33	39	43	46	43	33	26	50.0
	M	16	30	35	39	41	37	27	19	45.0
	L	9	22	24	28	28	22	12	11	33.5
1400E	H	19	35	41	45	48	45	38	27	52.0
	M	15	30	35	40	42	40	29	18	46.0
	L	9	23	26	31	30	26	15	13	35.0

Horizontal Exposed Fan Coil EKCW-E

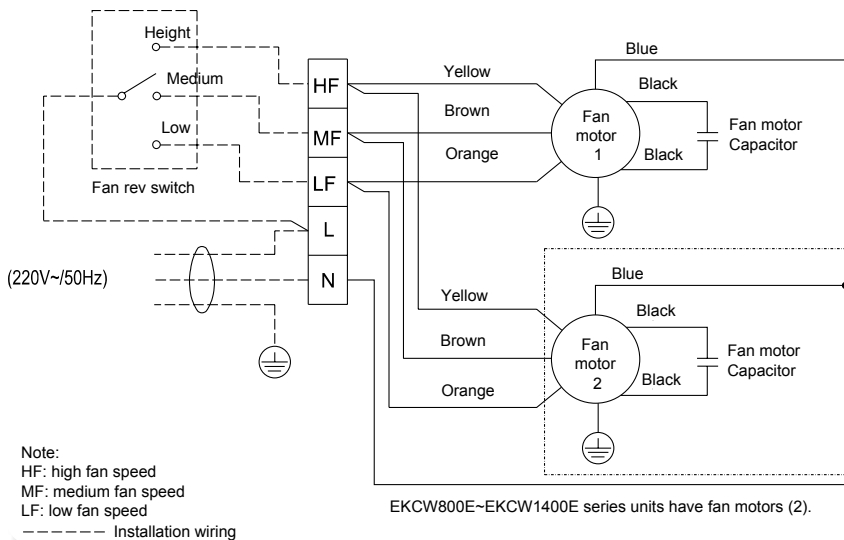
Dimension Illustration



Unit: mm

Model	A	B	C	D	E
EKCW200E	963	957	488	520	927
EKCW300E	1097	1091	628	660	1061
EKCW400E	1203	1197	728	760	1167
EKCW500E	1283	1277	808	840	1247
EKCW600E	1383	1377	908	940	1347
EKCW800E	1713	1707	1238	1270	1677
EKCW1000E	1813	1807	1338	1370	1777
EKCW1200E	2013	2007	1538	1570	1977
EKCW1400E	2273	2267	1798	1830	2237

Electric Wiring Diagram

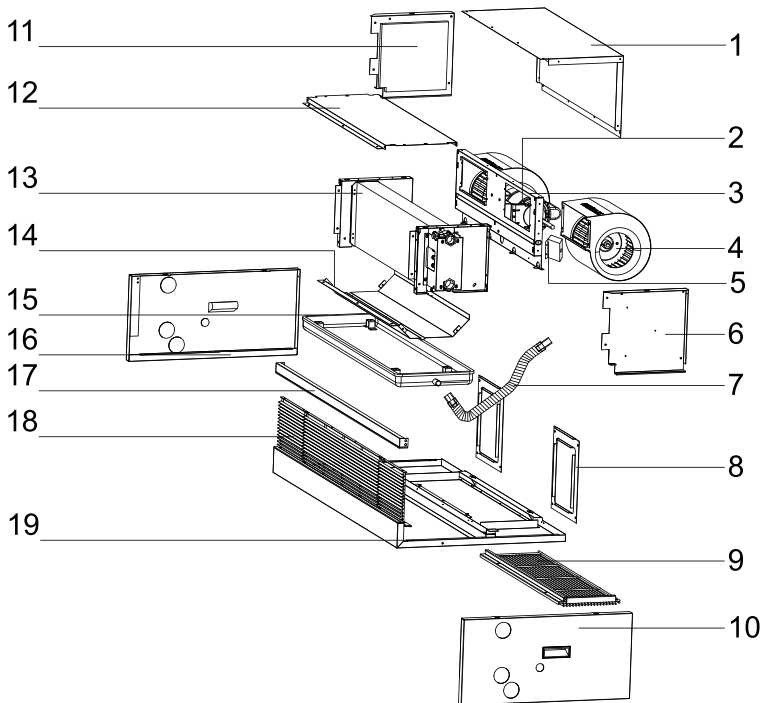


Note:

1. Before connecting electric wires, verify that the power supply specifications meet the requirements specified on the nameplate. Disconnect power cables to avoid electric shock.
2. Electric connection must be performed according to the electric wiring diagram. The unit must be well grounded.
3. The voltage, frequency and number of phases of the power supply must meet the requirements specified on the nameplate. The voltage fluctuations must not exceed $\pm 10\%$.
4. Do not connect units of different models parallel. A maximum of two units of the same model can be connected parallel. If these requirements are violated, the motor may be damaged.

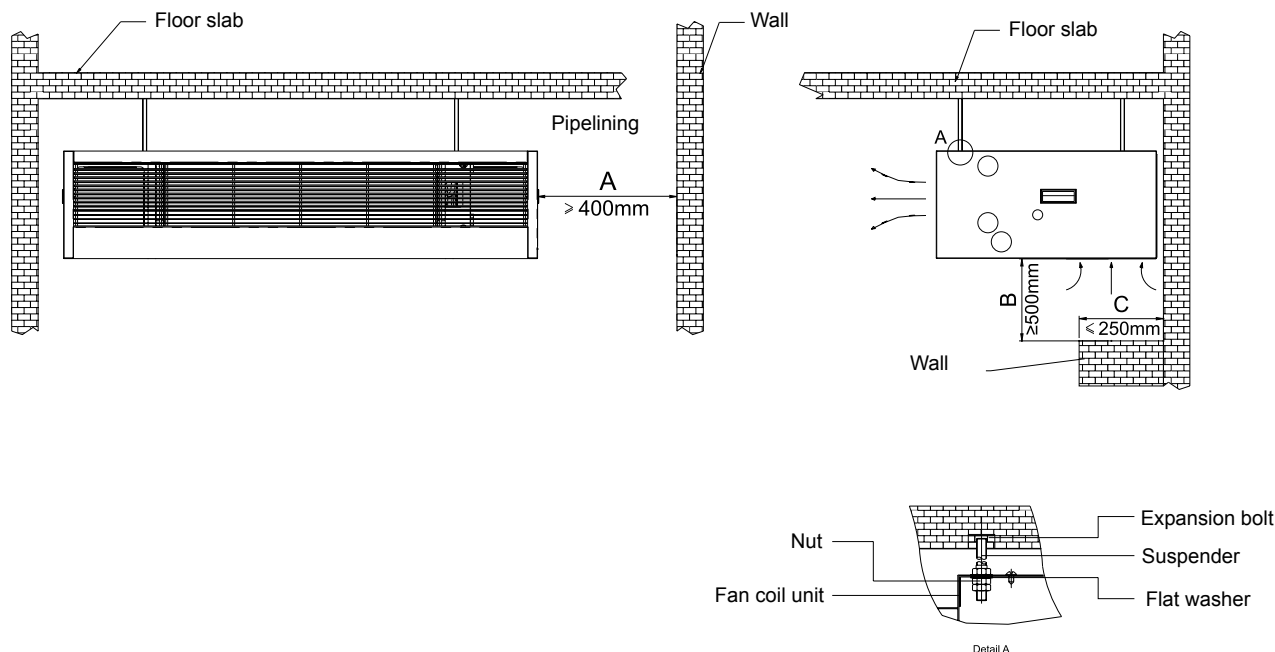
Horizontal Exposed Fan Coil EKCW-E

Unit Exploded View



NO.	Name
1	Top panel of return air plenum
2	Motor
3	Motor panel
4	Fan
5	Junction box
6	Right panel of return air plenum
7	Drain pipe for condensate water
8	Rear support panel
9	Return air filter and grid
10	Right panel
11	Left panel of return air plenum
12	Top panel
13	Heat exchange coil
14	Air induction plate
15	Water collector
16	Left panel
17	Front beam
18	Air supply grid
19	Bottom panel

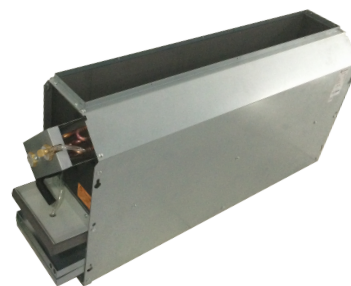
Installation Dimension Illustration



Vertical Concealed Fan Coil EKCW-C

Easy Maintenance

The unit features a single-phase capacitive motor with a low operation sound and a long service life thanks to a quality precision ball bear that is hermetic, fully lubricated, rustproof and durable.



Compact Structure

The unit features a compact design and can be elegantly mounted on the wall under a windowsill without affecting room decoration.

Low Operation Sound

The unit features an optimal design and has undergone strict motion/rest rectification to ensure that it works at high efficiency with low noise.

High Efficiency

To maximize heat transfer and exchange efficiency, the unit features heat exchange coils made of quality copper tubes, efficient aluminum shutter fins, mechanic tube expansion and a centrifugal fan with wide impellers, high air supply capacity, and low noise.

Nomenclature

EKCW **1000** **C** **C** — **2** **R** **F** — **A** **0** **A** **C**
1 2 3 4 5 6 7 8 9 10

1. EKCW EK Fan Coil Unit
2. 1000 Rated air flow
3. C Vertical Concealed Fan Coil
4. C Coil type T-2C0H C-3C0H F-4C0H
(*C*H note: C - chilled/hot water coil; H - hot water coil)
5. 2 External static pressure: 0-0Pa/2-20Pa
6. R Pipelining: L - Left (toward air outlet)
R - Right (toward air outlet)
7. F Filter: F - with nylon filter
8. A Power supply: A- 220V/1Ph/50Hz, K- 208-230V/1Ph/60Hz
N- 115V/1Ph/60Hz, W- 265-277V/1Ph/60Hz
9. A Power supply: A---220V~/50Hz K-208~230V~/60Hz N-115V~/60Hz W-265~277V~/60Hz
10. C Market code:
C - mainland China; D* - Hong Kong and Macao, China; E - standard model for export

Vertical Concealed Fan Coil EKCW-C

Specifications

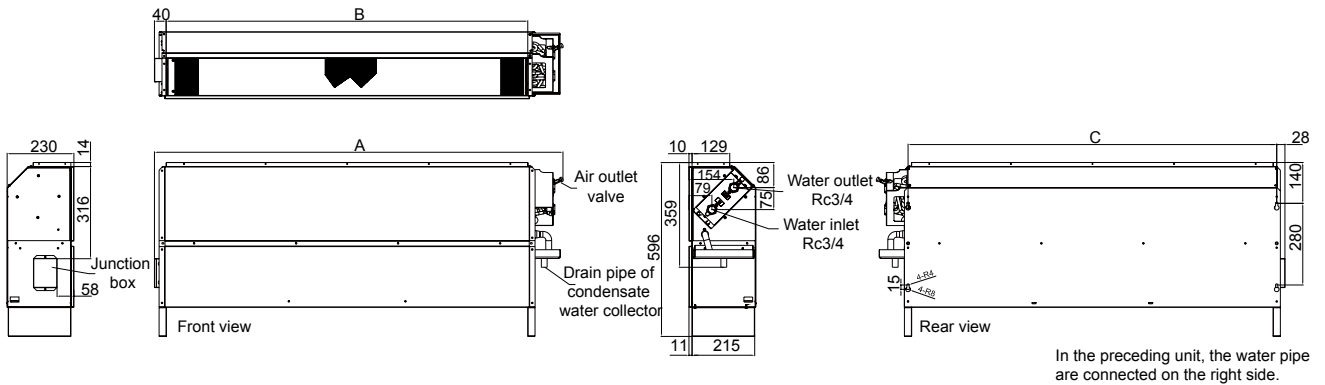
Model		EKCW 200CC	EKCW 300CC	EKCW 400CC	EKCW 500CC	EKCW 600CC	EKCW 800CC	EKCW 1000CC	EKCW 1200CC	EKCW 1400CC	
Rated air flow (m ³ /h)	H	340	510	680	850	1020	1360	1700	2040	2380	
	M	279	418	558	697	836	1115	1394	1673	1952	
	L	170	255	340	425	510	680	850	1020	1190	
Rated cooling capacity (W)	Total heating/cooling capacity	H	2147	3306	4266	4883	6128	8066	9529	10963	12920
	Sensible heating/cooling capacity	H	1416	2062	2727	3420	4152	5776	6755	8075	9424
Rated heating capacity (W)		H	3430	5206	6698	7505	9282	12550	15419	17252	20720
Rated input power (W)	Static pressure of 0 Pa	H	32	46	56	73	93	133	164	188	229
	Static pressure of 20 Pa	H	39	53	72	83	107	142	183	217	239
Working current (A)	Static pressure of 0 Pa	H	0.15	0.21	0.26	0.33	0.42	0.61	0.74	0.85	1.04
	Static pressure of 20 Pa	H	0.18	0.24	0.33	0.38	0.48	0.65	0.83	0.99	1.09
Sound dB(A)	Static pressure of 0 Pa	H	34.5	35.0	36.5	41.5	44.5	44.5	47.5	48.5	51.5
	Static pressure of 20 Pa	H	37.0	39.0	42.0	43.0	46.0	45.5	50.0	50.0	52.0
Water flow (m ³ /h)			0.44	0.61	0.74	0.96	1.10	1.54	1.75	2.10	2.47
Water resistance (cooling) (kPa)			13	30	17	24	36	36	29	40	42
Water resistance (heating) (kPa)			11	23	13	20	29	31	22	37	35
Coil	Type	Shutter-type hyperbolic and hydrophilic fins made from mechanically expanded quality copper tubes specially designed for air conditioners									
	Working pressure	1.6MPa									
	Test pressure	Airtightness test under pressurized water: no leakage for 1 minute under a pressure of 3.3 MPa.									
Fan	Type	Forward-pitched multi-wing centrifugal fan with double-suction impellers made from zinc-plated steel plates									
	Qty.	1	2	2	2	2	3	4	4	4	
Motor	Type	Single-phase ball-bearing capacitive motor with a high precision and low operation sound									
	Qty.	1	1	1	1	1	2	2	2	2	
	Power supply	220V~/50Hz									
	Protection grade	IP20									
Inlet/outlet water pipe	Insulation grade	B									
	Pipe diameter	Condensate water pipe									
Condensate water pipe	Pipe diameter	Φ20mm									
Net weight (kg)		16.6	19.3	21.7	23	24.5	34	36.7	40.3	46.9	

Note:

- Working conditions for cooling: inlet air temperature - dry/wet bulb 27°C/19.5°C; temperature of inlet/outlet water - 7°C/12°C.
- Working conditions for heating: inlet air temperature - dry bulb 21°C; inlet water temperature 60°C; water flow - equal to that for cooling operation.
- Rated air flow is measured under standard atmosphere using dry coils (dry bulb 20°C).
- Sound pressure grade and sound level are measured in a semi-silent room as per GB/T 19232-2003.
- H, M and L represent high, medium and low fan speed respectively.
- All performance parameters in the above table are measure with a power supply of 220V~/50Hz.

Vertical Concealed Fan Coil EKCW-C

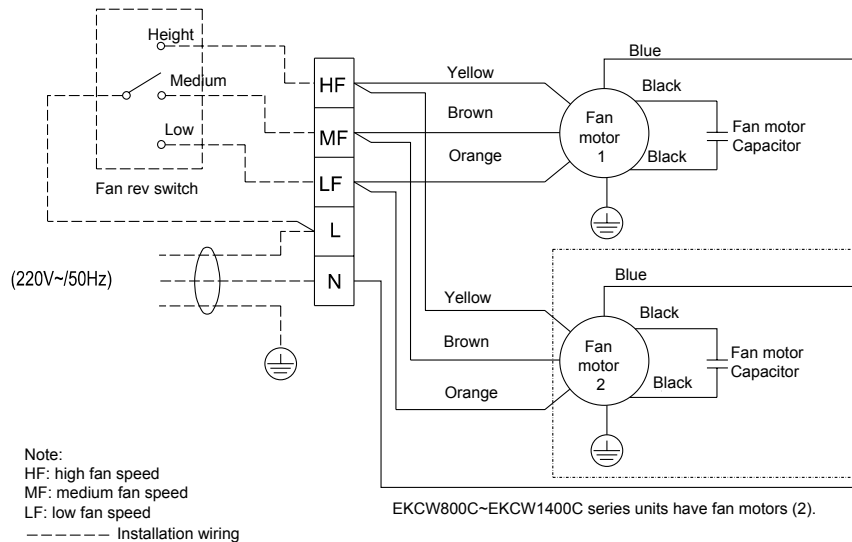
Dimension Illustration



Unit: mm

Model	A	B	C
EKCW200C	652	491	515
EKCW300C	792	631	655
EKCW400C	892	731	755
EKCW500C	972	811	835
EKCW600C	1072	911	935
EKCW800C	1402	1241	1265
EKCW1000C	1502	1341	1365
EKCW1200C	1702	1541	1565
EKCW1400C	1962	1801	1825

Electric Wiring Diagram

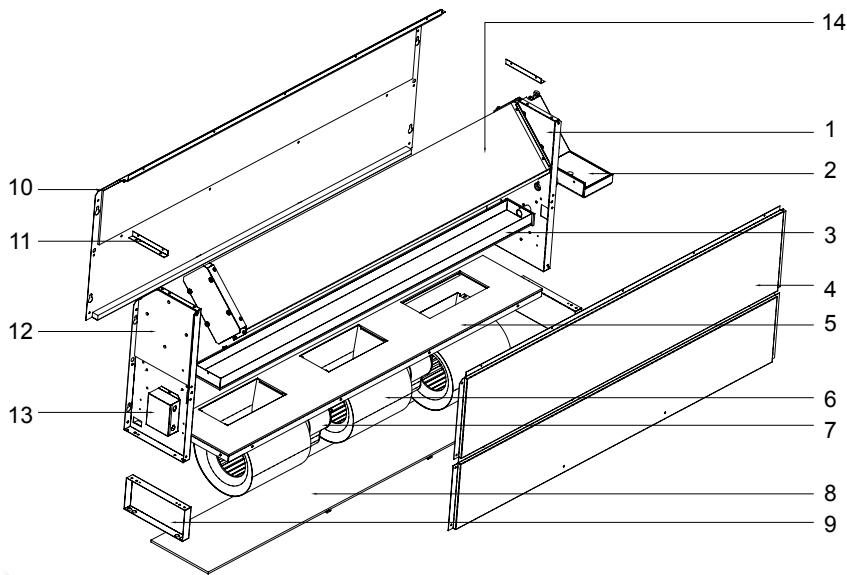


Note:

1. Before connecting electric wires, verify that the power supply specifications meet the requirements specified on the nameplate. Disconnect power cables to avoid electric shock.
2. Electric connection must be performed according to the electric wiring diagram. The unit must be well grounded.
3. The voltage, frequency and number of phases of the power supply must meet the requirements specified on the nameplate. The voltage fluctuations must not exceed $\pm 10\%$.
4. Do not connect units of different models parallel. A maximum of two units of the same model can be connected parallel. If these requirements are violated, the motor may be damaged.

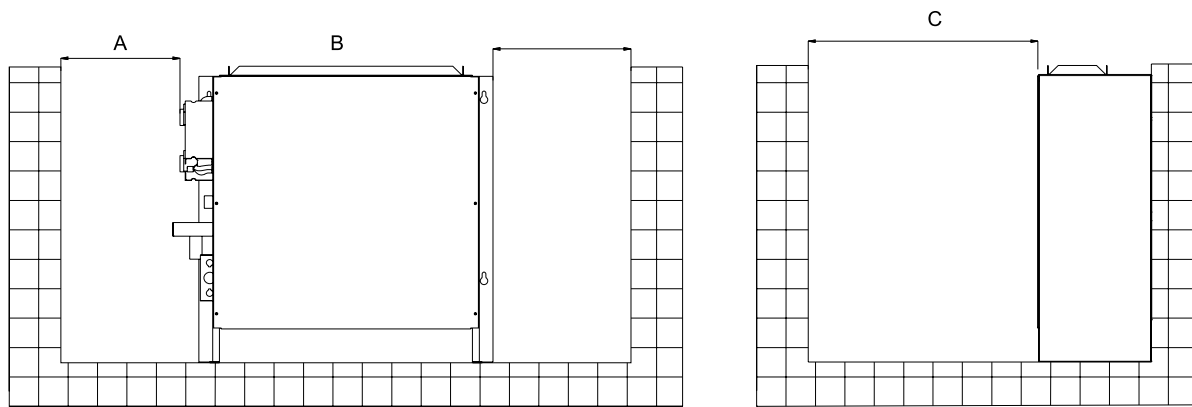
Vertical Concealed Fan Coil EKCW-C

Unit Exploded View



NO.	Name
1	Side panel
2	External water collector
3	Internal water collector
4	Front panel
5	Motor panel
6	Fan
7	Motor
8	Filter
9	Anchor
10	Rear panel
11	Flanged air outlet
12	Side panel
13	Junction box
14	Heat exchange coil

Installation Dimension Illustration



A, B>400mm, C>500mm

Cassette Fan Coil EKCW-K

Wide-Angle and Strong Circular Air Supply

The unit features elegant panel and edge design and can be flexibly installed. It provides wide-angle circular air with a strong and even current. Air is supplied to all corners of the room, making indoor space feels natural and comfortable.

Compact Design and Easy Installation

The unit features a compact design with a super-thin and streamlined front panel(30 mm thick), and can be installed inside a narrow space in the ceiling.



Vertical and Even Air Supply

It provides wide-angle circular air with a strong and even current. For rooms with high ceilings, the unit can also quickly supply air to all corners, making air in the room immediately feels comfortable.

Scroll Fan with Low Operation Sound

Featuring aerodynamic principles, the fan has three spiral blades that are optimally placed to reduce air resistance and operation sound.

Nomenclature

EKCW **1000** **K** **T** **B—A** **AA** **E**
1 2 3 4 5 6 7 8

1. EKCW EK Fan Coil Unit
2. 1000 Rated air flow
3. K Cassette Fan Coil
4. T Coil type T - dual pipe units; M - Quad pipe units
5. B Design serial No.
6. A Power supply: A - 220V~/50Hz; Export: 220 - 240V~/50Hz
7. AA Detailed product specification
8. E Market code: Default - mainland China;
D - Hong Kong and Macao, China;
E - standard model for export

Specifications

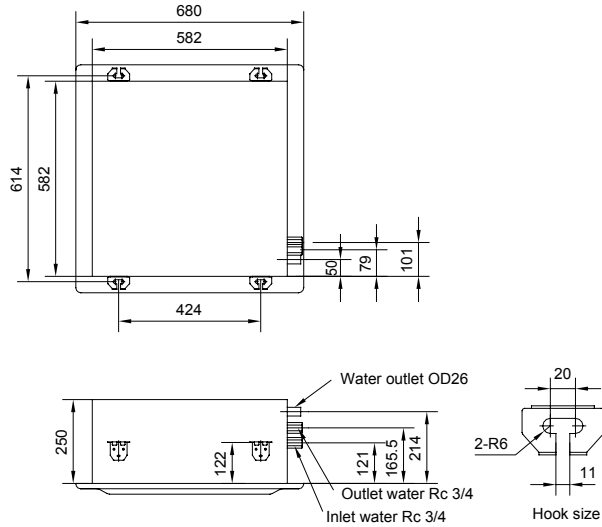
Model			EKCW 300KT	EKCW 400KT	EKCW 500KT	EKCW 600KT	EKCW 800KT	EKCW 1000KT	EKCW 1200KT	EKCW 1400KT
air flow	H	m ³ /h	550	680	850	1020	1360	1700	2040	2380
	M	m ³ /h	500	550	740	850	1210	1360	1700	1900
	L	m ³ /h	450	500	660	740	980	1210	1360	1540
cooling capacity	H	W	2700	3600	4500	5400	7200	9000	10800	12600
heating capacity	H	W	4050	5400	6750	8100	10800	13500	16200	18900
Noise	H	dB(A)	39	41	43	45	46	48	50	51
Input power		W	52	58	71	84	130	170	175	225
Current		A	0.25	0.28	0.34	0.40	0.62	0.81	0.84	1.08
Motor	Type	Single-phase ball-bearing capacitive motor with a high precision and low operation sound								
Power supply		220V~/50Hz								
Protection grade		IP20								
Insulation grade		B								
Water flow	m ³ /h	0.46	0.62	0.77	0.93	1.23	1.54	1.85	2.16	
Water resistance	kPa	25	30	15	20	30	35	44	45	
Connecting pipe specification		Rc 3/4								
Life of condensate water pump		External diameter of condensate water pipe: Φ26 mm; external diameter of external hose: Φ 16mm								
Dimensions	Master unit	mm	582x582x250	582x582x250	705x705x290	705x705x290	832x832x290	832x832x290	832x832x290	960x960x290
	Panel	mm	680x680x30	680x680x30	830x830x30	830x830x30	980x980x30	980x980x30	980x980x30	1140x1140x30
Net weight	kg	24	24	29	29	38	38	38	38	49.5

Note:

- Working conditions for cooling: inlet air temperature - dry/wet bulb 27°C/19.5°C; temperature of inlet/outlet water - 7°C/12°C.
- Working conditions for heating: inlet air temperature - dry bulb 21°C; inlet water temperature 60°C; water flow - equal to that for cooling operation.
- Rated air flow is measured under standard atmosphere using dry coils (dry bulb 20°C).
- Sound pressure grade and sound level are measured in a semi-silent room as per GB/T 19232-2003.
- H, M and L represent high, medium and low fan speed respectively.
- All performance parameters in the above table are measure with a power supply of 220V~/50Hz.

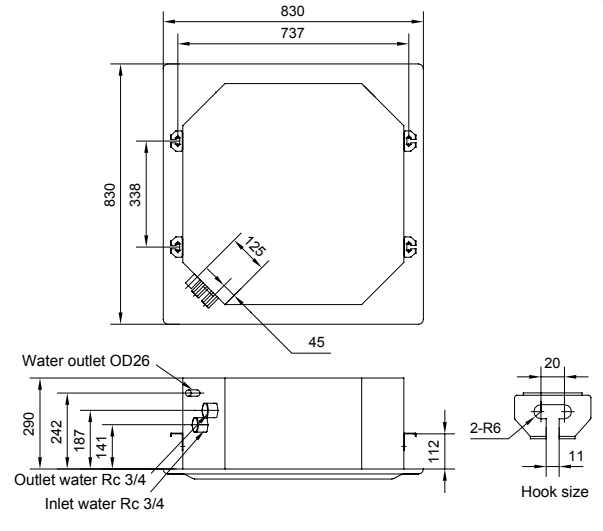
Cassette Fan Coil EKCW-K

Dimension Illustration (model: EKCW300 / 400KT)



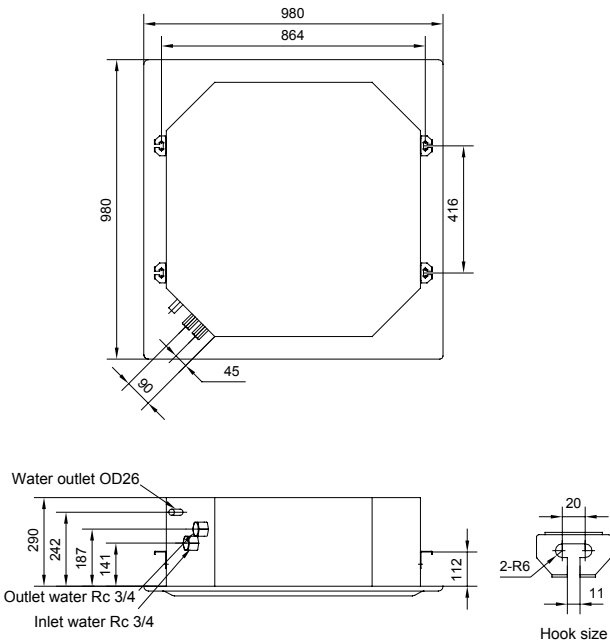
Unit: mm

Dimension Illustration (model: EKCW500 / 600KT)



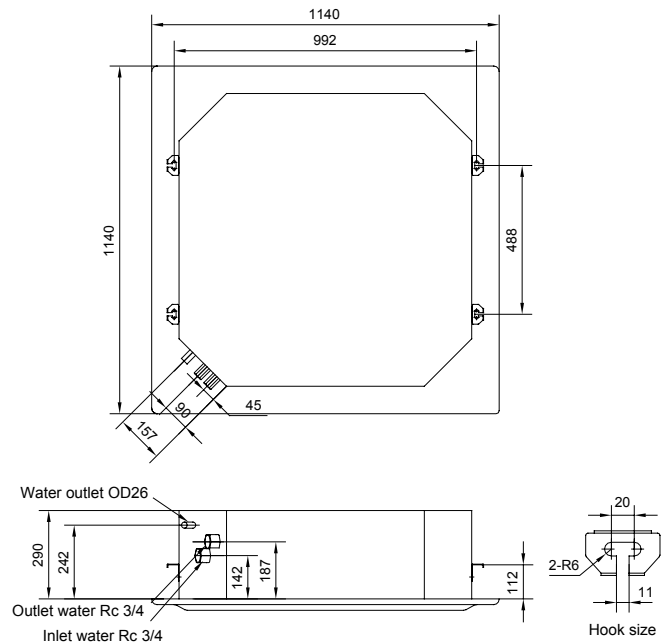
Unit: mm

Dimension Illustration (model: EKCW800 / 1000 / 1200KT)



Unit: mm

Dimension Illustration (model: EKCW1400KT)



Unit: mm

Ceiling-Exposed/Floor-Standing Fan Coil EKCW-M

Flexible Installation, Comfortable and Energy Saving

The unit features quality components that are efficient and energy saving. With a slim, elegant and ultra-thin design, the unit can easily match with decoration styles. The unit can be easily installed in the ceiling or on the floor. Equipped with a low-noise centrifugal fan, it supplies air at a wide angle to make indoor rooms feel comfortable.



Ceiling-Mounted and Space Saving

The unit can be mounted in various ceilings to save floor space and match decoration styles.

Vertical Air Supply at Wide and High Angle

The unit can supply air vertically in a 70-degree range and horizontally in a 100-degree range. It can generate a strong air current at a height of 4 meters to meet requirements of various usage scenarios.

Innovative, Efficient and Quiet Fan

The unit features an innovative, efficient and quiet fan and a sound-dampening air duct to ensure smooth air supply at a low operation sound.

Nomenclature

EKCW **1000** **M** **T—A** **AA** **E**
1 2 3 4 5 6 7

- | | | |
|----|------|--|
| 1. | EKCW | EK Fan Coil Unit |
| 2. | 1000 | Rated air flow |
| 3. | M | Ceiling-Exposed/Floor-Mounted Fan Coil |
| 4. | T | Coil type: T---2C0H |
| 5. | A | Power supply: A - 220V~/50Hz; Export: 220 - 240V~/50Hz |
| 6. | AA | Detailed product specification |
| 7. | E | Market code: Default - mainland China;
D - Hong Kong and Macao, China;
E - standard model for export |

Ceiling-Exposed/Floor-Standing Fan Coil EKCW-M

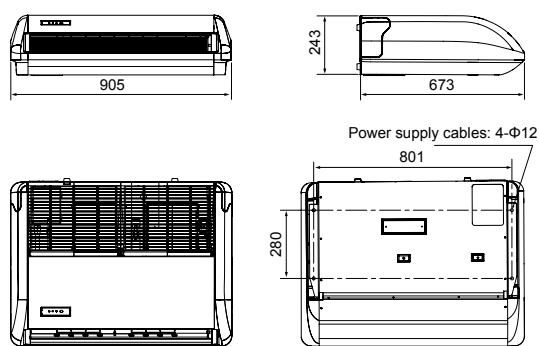
Specifications

Model			EKCW300MT	EKCW400MT	EKCW500MT	EKCW600MT	EKCW800MT	EKCW1000MT	EKCW1200MT	EKCW1400MT
air flow	H	m ³ /h	510	680	850	1020	1360	1700	2040	2380
	M	m ³ /h	420	560	770	910	1210	1450	1850	2150
	L	m ³ /h	340	480	610	820	1100	1380	1600	2000
cooling capacity	H	W	2700	3600	4500	5400	7200	9000	10800	12600
heating capacity	H	W	4050	5400	6750	8100	10800	13500	16200	18900
Noise	H	dB(A)	39	41	43	45	46	48	50	51
Input power	W	W	45	50	80	110	120	150	170	188
Current	A	A	0.21	0.24	0.37	0.51	0.56	0.69	0.79	0.89
Water flow	m ³ /h	m ³ /h	0.46	0.62	0.77	0.93	1.23	1.54	1.85	2.16
Water resistance	kPa	kPa	14	16	18	22	25	39	44	44
Connecting pipe specification			Rc 3/4							
Internal diameter of condensate water pipe			Φ24mm							
Unit dimensions	mm	mm	905x673x243	905x673x243	905x673x243	1288x673x243	1288x673x243	1672x673x243	1672x673x243	1672x673x243
Net weight	kg	kg	25	25	25	40	40	45	45	45

Note:

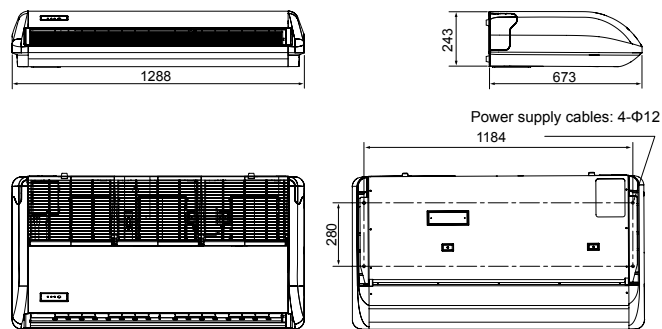
- Working conditions for cooling: inlet air temperature - dry/wet bulb 27°C/19.5°C; temperature of inlet/outlet water - 7°C/12°C.
- Working conditions for heating: inlet air temperature - dry bulb 21°C; inlet water temperature 60°C; water flow - equal to that for cooling operation.
- Rated air flow is measured under standard atmosphere using dry coils (dry bulb 20°C).
- Sound pressure grade and sound level are measured in a semi-silent room as per GB/T 19232-2003.
- H, M and L represent high, medium and low fan speed respectively.
- All performance parameters in the above table are measure with a power supply of 220V~/50Hz.

Dimension Illustration (model: EKCW300/400/500M)



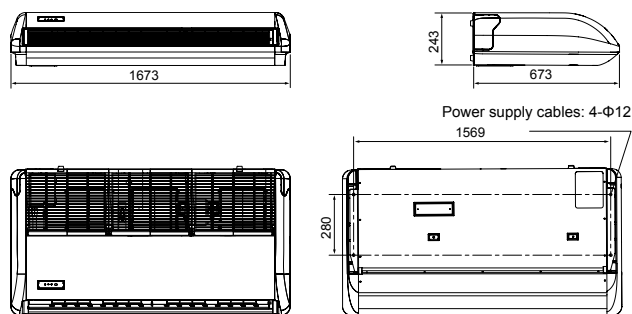
Unit: mm

Dimension Illustration (model: EKCW600/800MT)



Unit: mm

Dimension Illustration (model: EKCW1000/1200/1400M)



Unit: mm

Vertical Exposed Fan Coil EKCW-U

Easy to Install and Maintain

The unit can be easily mounted on floors or walls to save space. The unit features a single-phase capacitive motor with a low operation sound and a long service life thanks to a quality precision ball bear that is hermetic, fully lubricated, rustproof and durable.

Elegant and Graceful

The unit features a compact and elegant exterior. It can easily match various furniture and decoration styles to make rooms look more graceful.

Low Operation Sound

The unit features an optimal design and has undergone strict motion/rest rectification to ensure that it works at high efficiency with low noise.

High Efficiency

To maximize heat transfer and exchange efficiency, the unit features heat exchange coils made of quality copper tubes, efficient aluminum shutter fins, mechanic tube expansion and a centrifugal fan with wide impellers, high air supply capacity, and low noise.

Nomenclature

EKCW **1000** **U** **C** — **R** **F** — **A** **0** **A** **C**
1 2 3 4 5 6 7 8 9

1. EKCW EK Fan Coil Unit
2. 1000 Rated air flow
3. U Vertical Exposed Fan Coil
4. C Coil type: T-2C0H C-3C0H
F-4C0H (*C*H note: C - chilled/hot water coil; H - hot water coil)
5. R Connection orientation: L - left; R - right (toward air outlet)
6. F Filter type: F - with nylon filter
7. A Unit Features
8. A Power supply: A-220V~/50Hz K-208~230V~/60Hz N-115V~/60Hz W-265~277V~/60Hz
9. C Market code: C - mainland China; D - Hong Kong and Macao, China; E - standard model for export



Vertical Exposed Fan Coil EKCW-U

Specifications (Dual Pipe with 4 Rows of Coils and Large Temperature Drop)

Model		EKCW 200UC	EKCW 300UC	EKCW 400UC	EKCW 500UC	EKCW 600UC	EKCW 800UC	EKCW 1000UC	EKCW 1200UC	EKCW 1400UC	
Rated air flow (m ³ /h)	H	340	510	680	850	1020	1360	1700	2040	2380	
	M	279	418	558	697	836	1115	1394	1673	1952	
	L	170	255	340	425	510	680	850	1020	1190	
Rated cooling capacity (W)	Total heating/cooling capacity	H	2147	3306	4266	4883	6128	8066	9529	10963	12920
	Sensible heating/cooling capacity	H	1416	2062	2727	3420	4152	5776	6755	8075	9424
Rated heating capacity (W)		H	3430	5206	6698	7505	9282	12550	15419	17252	20720
Rated input power (W)		H	39	53	72	83	107	142	183	217	239
Working current (A)		H	0.18	0.24	0.33	0.38	0.48	0.65	0.83	0.99	1.09
Sound dB(A)		H	37.0	39.0	42.0	43.0	46.0	45.5	50.0	50.0	52.0
Water flow (m ³ /h)			0.44	0.61	0.74	0.96	1.10	1.54	1.75	2.10	2.47
Water resistance (cooling) (kPa)			13	30	17	24	36	36	29	40	42
Water resistance (heating) (kPa)			11	23	13	20	29	31	22	37	35
Coil	Type	Shutter-type hyperbolic and hydrophilic fins made from mechanically expanded quality copper tubes specially designed for air conditioners									
	Working pressure	1.6MPa									
Test pressure		Airtightness test under pressurized water: no leakage for 1 minute under a pressure of 3.3 MPa.									
Fan	Type	Forward-pitched multi-wing centrifugal fan with double-suction impellers made from zinc-plated steel plates									
	Qty.	1	2	2	2	2	3	4	4	4	
Motor	Type	Single-phase ball-bearing capacitive motor with a high precision and low operation sound									
	Qty.	1	1	1	1	1	2	2	2	2	
	Power supply	220V~/50Hz									
	Protection grade	IP20									
Insulation grade		B									
Inlet/outlet water pipe	Pipe diameter	Rc3/4 taper pipe with internal thread									
Condensate water pipe	Pipe diameter	Φ20mm									
Net weight (kg)		27.1	31.4	35.4	37.5	39.9	55.4	59.9	65.7	76.5	

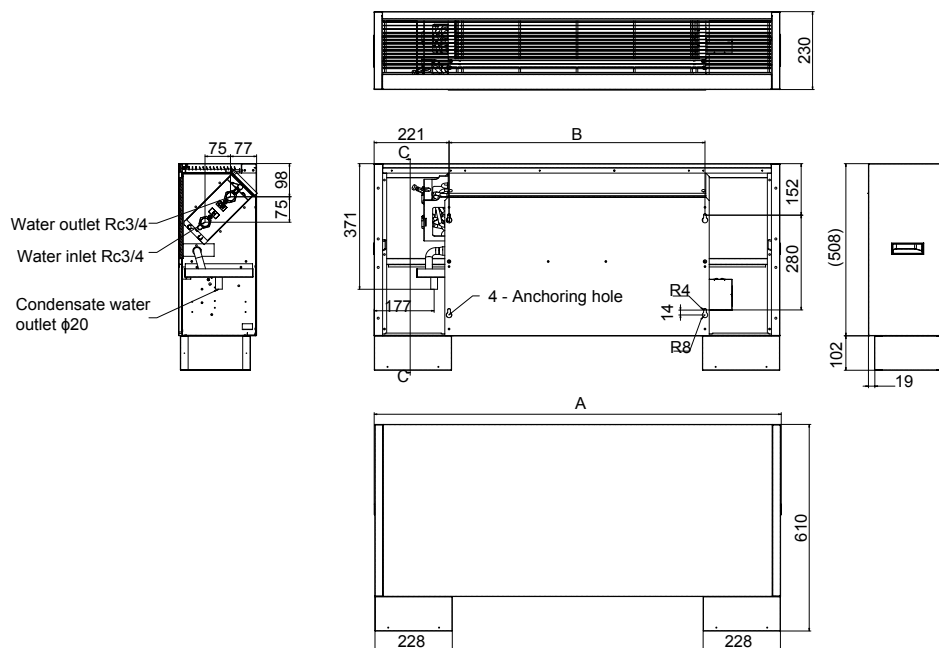
Note:

- Working conditions for cooling: inlet air temperature - dry/wet bulb 27°C/19.5°C; temperature of inlet/outlet water - 7°C/12°C.
- Working conditions for heating: inlet air temperature - dry bulb 21°C; inlet water temperature 60°C; water flow - equal to that for cooling operation.
- Rated air flow is measured under standard atmosphere using dry coils (dry bulb 20°C).
- Sound pressure grade and sound level are measured in a semi-silent room as per GB/T 19232-2003.
- H, M and L represent high, medium and low fan speed respectively.
- All performance parameters in the above table are measure with a power supply of 220V~/50Hz.

Vertical Exposed Fan Coil EKCW-U

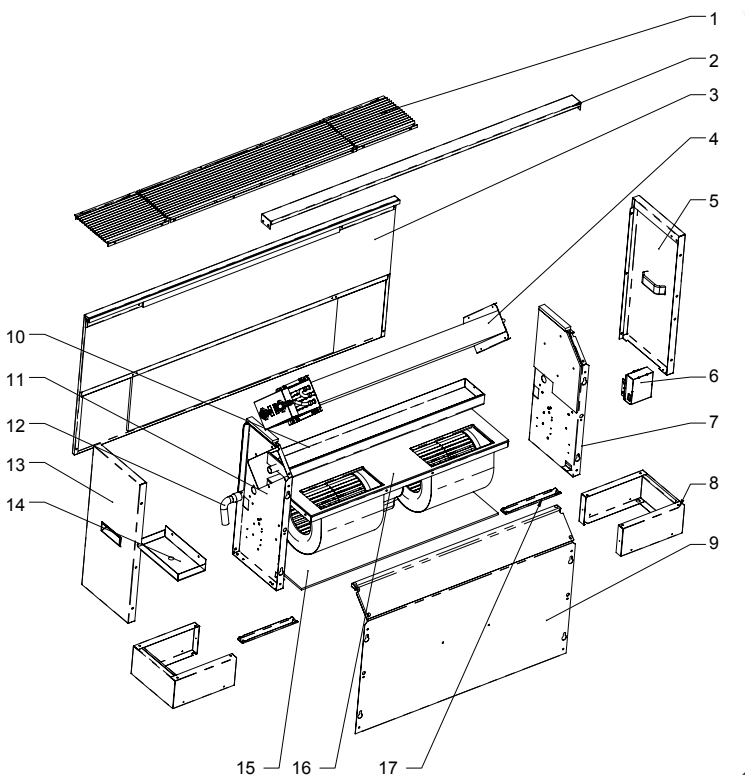
Dimension Illustration

Model	A	B
EKCW200U	963	521
EKCW300U	1097	655
EKCW400U	1203	761
EKCW500U	1283	841
EKCW600U	1383	941
EKCW800U	1713	1271
EKCW1000U	1813	1371
EKCW1200U	2013	1571
EKCW1400U	2273	1831



Unit: mm

Unit Exploded View



S/N	Name
1	Air supply grid
2	Top beam
3	Front panel
4	Heat exchanger
5	Left panel
6	Junction box
7	Left internal panel
8	Anchor
9	Rear panel
10	Water collector
11	Right internal panel
12	Drain pipe
13	Right external panel
14	External water collector
15	Filter
16	Fan motor
17	Sheet metal for connecting internal and external panels

1-way Cassette Fan Coil EKCW-L

Unit description

EKCW 1-way cassette fan coils are terminals of a hydronic system for installation in false ceilings. They can be used with chilled or hot water to form an air conditioning system. The air flow range: 200 - 600 CFM. The output available range: 1.9 - 4.7 KW in the standard configuration.



Unit composition

- 1-way discharge decorative panel in ABS material;
- Motor drive auto-swing louvers;
- Synthetic moveable and washable air filter;
- High efficiency coils made from 3/8" copper tubes & hydrophilic aluminium fins;
- Air purging vent;
- Integral 700mm head condensate drain pump;
- With 3-speed motor;
- Wireless remote controller
- Wired wall pad (optional)
- Pre-stamped lateral hole for fresh air connection (optional)
- Rs485 remote communication serial port (optional)

40

Nomenclature

EKCW **1000** **L** **A** **AA** **E**
1 2 3 4 5 6

- | | | |
|----|------|--|
| 1. | EKCW | EK fan coil unit |
| 2. | 1000 | Unit model |
| 3. | L | 1-way cassette fan coil unit |
| 4. | A | Unit power supply feature. A: 220V~/50Hz, 220—240 V~/50Hz for overseas market |
| 5. | AA | Detailed description of product specification |
| 6. | E | Unit sales area. Default: China
D: Hong Kong (including Macau)
E: standard model for overseas market |

1-way Cassette Fan Coil EKCW-L

Specifications

Model			EKCW 200L	EKCW 300L	EKCW 400L	EKCW 450L	EKCW 500L	EKCW 600L
Total cooling capacity	speed high	kW	1.9	2.7	3.6	4.0	4.5	4.7
	speed medium	kW	1.5	2.1	2.8	3.3	3.4	3.6
	speed low	kW	1.0	1.6	2.1	2.6	2.7	2.8
Sensible cooling capacity	speed high	kW	1.3	1.9	2.5	2.8	3.2	3.3
	speed medium	kW	1.1	1.6	2.1	2.3	2.5	2.6
	speed low	kW	0.8	1.3	1.7	1.8	2.0	2.1
Water flow rate		l/h	327	464	619	688	774	808
Water pressure drop		kPa	10	15	18	20	22	25
Heating capacity	speed high	kW	2.1	3.2	4.2	5.1	5.6	5.8
	speed medium	kW	1.7	2.5	3.2	4.0	4.5	4.7
	speed low	kW	1.2	1.9	2.5	3.0	3.4	3.6
Evaporator coil	rows		2	2	3	3	3	3
	FPI		15.9	15.9	15.9	15.9	15.9	15.9
	copper diameter	inch	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
	water content	l	0.65	0.65	0.92	0.92	1.07	1.07
Centrifugal fan blower	fan blower diameter	mm	□142	□142	□142	□142	□155	□155
	fan blower nr.		2	2	2	2	2	2
Electrical power	power input	W	45	54	64	70	70	85
	running current	A	0.20	0.24	0.28	0.31	0.31	0.38
Air flow rate	high speed	m ³ /h	340	510	680	800	850	1,020
	medium speed	m ³ /h	270	400	520	650	640	760
	low speed	m ³ /h	190	300	400	500	490	600
Sound pressure (1m)	high speed	dB(A)	39	39	40	42	44	45
	medium speed	dB(A)	36	36	37	39	40	41
	low speed	dB(A)	30	30	31	37	36	37
Unit dimensions	Lenth	mm	848	848	848	848	848	848
	Width	mm	394	394	394	394	415	415
	Hight	mm	235	235	235	235	235	235
Panel dimensions	Lenth	mm	1043	1043	1043	1043	1043	1043
	Width	mm	468	468	468	468	468	468
	Hight	mm	30	30	30	30	30	30
Net weight		kg	23	23	24	24	25	25
Water connection (FPT)		inch	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Electrical power supply			220-240V/1Phase/50HZ					

Cooling:

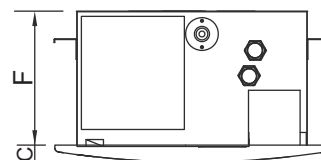
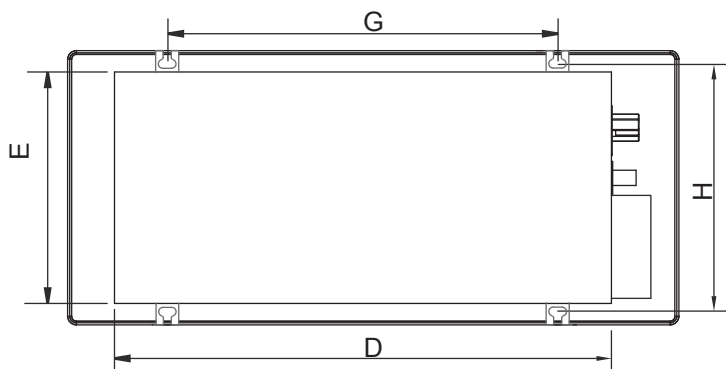
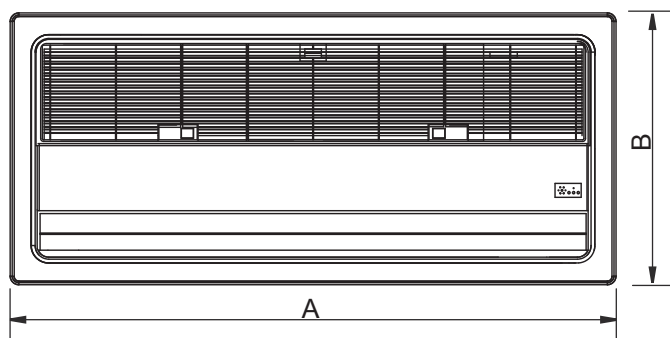
Entering air temperature: Dry bulb 27°C, Wet bulb 19°C;
Inlet water temp. 7°C; Outlet water temp. 12°C;

Heating:

Entering air temperature: 20°C; Inlet water temp. 50°C;
Same water flow rate as for the cooling;

1-way Cassette Fan Coil EKCW-L

Dimensions



	A	B	C	D	E	F	G	H	
EKCW200L	1043	468	30	848	394	235	760	434	mm
EKCW300L	1043	468	30	848	394	235	760	434	mm
EKCW400L	1043	468	30	848	394	235	760	434	mm
EKCW450L	1043	468	30	848	394	235	760	434	mm
EKCW500L	1043	468	30	848	415	235	760	455	mm
EKCW600L	1043	468	30	848	415	235	760	455	mm

Standard and optional controller



code: RC09
(standard)

LCD wireless remote controller, with wall holder
Function: MODE/FAN/TIMER (24hr)/etc.



code: WP09
(optional)

LCD wired wall pad
Function: MODE/FAN/weekly TIMER/etc.

Unit description

Wall mounted fan coils are terminals of a hydronic system for high wall mounted installation. They can be used with chilled or hot water to form an air conditioning system. The air flow range: 200 - 900 CFM. The output available range: 2.0 - 7.5 KW in the standard configuration.



Unit composition

- Unit case in ABS material with mechanical characteristics and resistance to ageing;
- Motor drive auto-swing louver;
- Synthetic moveable and washable air filter;
- High efficiency coils made from copper tubes & hydrophilic aluminium fins;
- Air purging vent;
- Water drainage vent;
- With 3-speed motor;
- Flexible stainless steel pipping for water connections;
- Wireless remote controller;
- Wired wall pad (optional);
- Rs485 remote communication serial port (optional);

Nomenclature

EKCW 1000 W A AA E
1 2 3 4 5 6

- | | | |
|----|------|--|
| 1. | EKCW | EK fan coil unit |
| 2. | 1000 | Unit model |
| 3. | W | Wall-mounted fan coil |
| 4. | A | Unit power supply feature. A: 220V~/50Hz, 220—240 V~/50Hz for overseas market |
| 5. | AA | Detailed description of product specification |
| 6. | E | Unit sales area. Default: China
D: Hong Kong (including Macau)
E: standard model for overseas market |

Wall Mounted Fan Coil EKCW-W

Specifications

Model		EKCW 200W	EKCW 300W	EKCW 400W	EKCW 500W	EKCW 600W	EKCW 800W	EKCW 900W	
Total cooling capacity	kW	2.0	3.0	3.8	4.8	5.5	7.0	7.5	
	BTU/h	6,900	10,300	13,000	16,400	18,800	23,900	25,600	
Sensible cooling capacity	kW	1.46	2.20	2.80	3.50	4.00	5.00	5.50	
	BTU/h	5,000	7,600	9,600	12,000	13,700	17,100	18,800	
Chilled water flow rate	l/h	344	516	653	825	946	1204	1290	
Pressure drop	kPa	22	37	22	27	33	49	62	
Hot water heating	Heating capacity	kW	2.2	3.3	4.4	5.7	6.8	8.0	8.9
		BTU/h	7,600	11,300	15,100	19,500	23,300	27,300	30,400
Evaporator coil	face area	m ²	0.195	0.195	0,297	0,297	0,297	0,367	0,367
	rows		2	2	2	2	2	2	2
	FPI		16.9	16.9	16.9	16.9	16.9	16.9	16.9
	copper diameter	mm	7	7	7	7	7	7	7
Cross flow fan blower	fan blower diameter	mm	□100	□100	□107	□107	□107	□121	□121
	fan blower length	mm	630	630	816	816	816	930	930
	fan blower	n°	1	1	1	1	1	1	1
Electrical power	power input	W	20	25	55	65	65	100	100
	running current	A	0.091	0.11	0.25	0.29	0.29	0.45	0.45
Air flow	high speed	m ³ /h	360	550	680	850	1020	1360	1530
	medium speed	m ³ /h	270	440	600	750	850	1000	1360
	low speed	m ³ /h	230	360	500	660	750	800	1000
Sound pressure (1m)	high speed	dB(A)	36	37	43	45	48	50	52
	medium speed	dB(A)	34	35	36	39	42	44	47
	low speed	dB(A)	32	33	36	39	42	44	47
Unit dimensions	Length	mm	790	790	1030	1030	1030	1180	1180
	Width	mm	283	283	325	325	325	340	340
	Height	mm	208	208	240	240	240	265	265
Net weight	kg	10	10	13	13	13	16	16	
Water connection (FPT)	inch	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	
Electrical power supply		220-240V/1Phase/50(60)HZ							

Cooling:

Entering air temperature: Dry bulb 27°C, Wet bulb 19°C;

Inlet water temp. 7°C; Outlet water temp. 12°C;

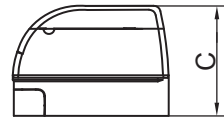
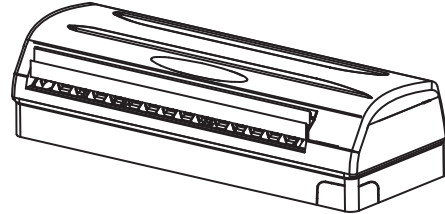
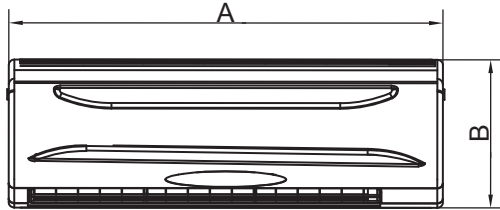
Heating:

Entering air temperature: 20°C; Inlet water temp. 50°C;

Same water flow rate as for the cooling;

Wall Mounted Fan Coil EKCW-W

Dimensions



	A	B	C	
EKCW200W	790	283	208	mm
EKCW300W	790	283	208	mm
EKCW400W	1030	325	240	mm
EKCW500W	1030	325	240	mm
EKCW600W	1030	325	240	mm
EKCW800W	1180	340	265	mm
EKCW900W	1180	340	265	mm

Standard and optional controller



code: RC09
(standard)

LCD wireless remote controller, with wall holder
Function: MODE/FAN/TIMER (24hr)/etc.



code: WP09
(optional)

LCD wired wall pad
Function: MODE/FAN/weekly TIMER/etc.



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