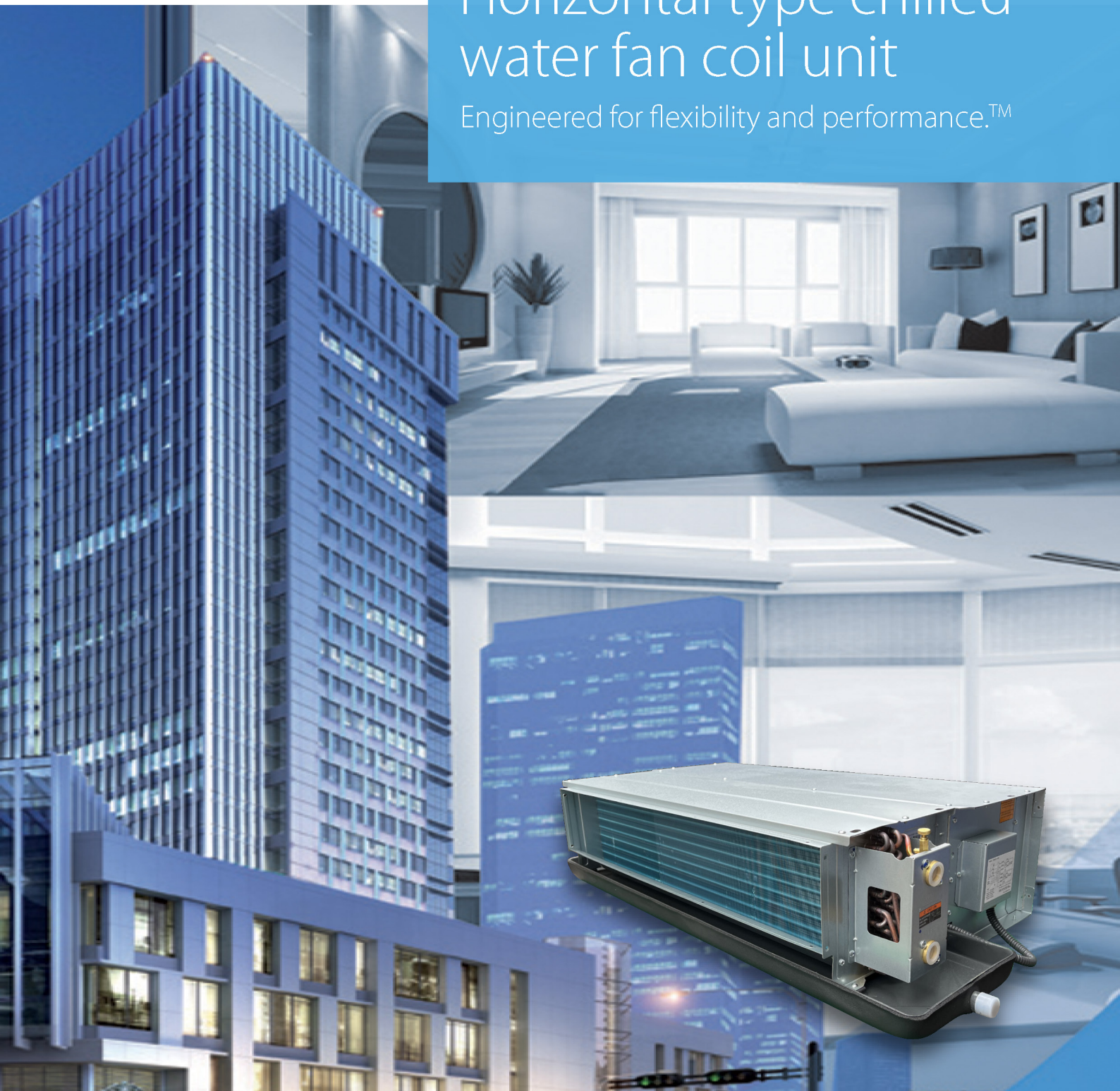




Horizontal type chilled water fan coil unit

Engineered for flexibility and performance.™



FWW-V Series

Features

► Centrifugal impeller

The double inlet double width(DWDI) centrifugal fan featuring high-efficiency wide-impeller and multi-blade forward-curved is adopted to implement low speed, large air flow and low noise.



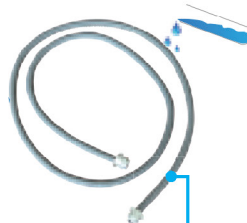
► High-efficiency motor

High efficiency and energy saving, powerful, stable and quite operation; configuration of the international brand NSK bearing, ensuring efficient, safe and maintenance-free operation.



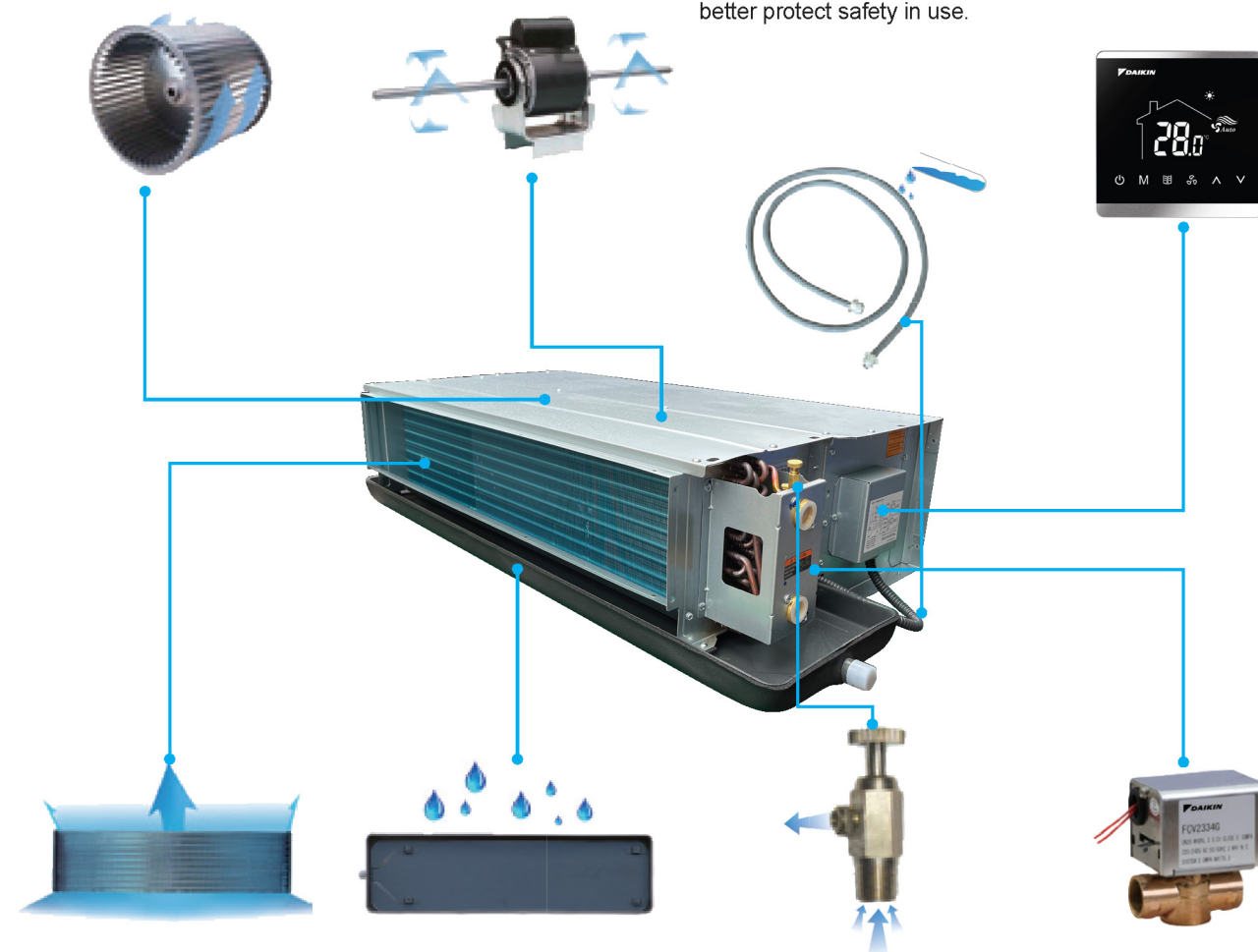
► Plastic-coated metal hose

The cable protection pipe for the motor uses plastic-coated metal hose; the plastic-coated metal hose is light in weight and well flexible, with outstanding barrier property; The hose is resistant to corrosion, wear and high temperature; it has good insulation property and can better protect safety in use.



► Smart control (option)

Several types of thermostats options are offered to comply with 2-pipe and 4-pipe system, they are widely used for industrial, commercial and residential buildings, please refer to thermostat's catalog for detailed information.



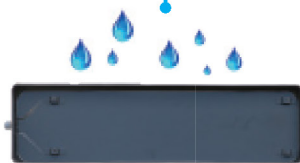
► High-efficiency heat exchanger

Formed using high quality copper tubes and highly efficient hydrophilic aluminum fins through mechanical expansion joint to reduce heat resistance; Quasi counterflow fan coil design enables thorough heat exchange between air and water to guarantee high efficiency in heat exchange.



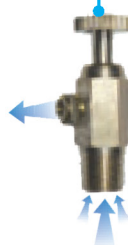
► New self-slope drain pan

The self-slope structure design ensures quick drainage of condensate water; with spray on both sides for anti-corrosion, the tray surface is cleaner; the integrated design is adopted to avoid cold bridges.



► Manual air vent valve

The unit is configured with manual air vent valve for convenient operation, quicker discharge, and easier installation. The valve is placed at the highest point to guarantee thorough discharging of air in the system and ensure the heat exchange effect.



► 2-way/3-way valves (option)

FCV series 2-way/3-way valve including electric actuator can be provided as an option. The actuator takes small space which can be installed closed to the wall. It is reliable with high quality and super low noise.



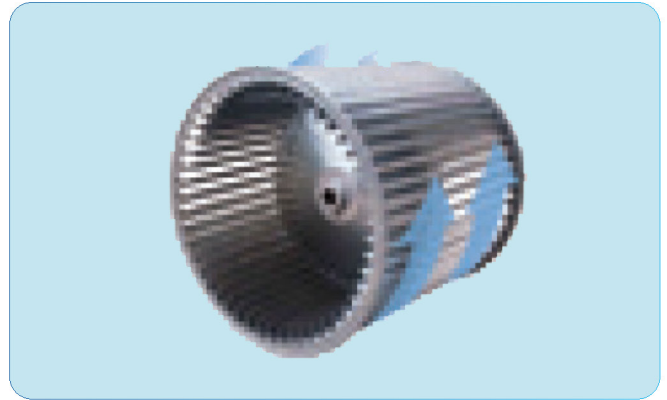
FWW-V Horizontal Ceiling Concealed Fan Coil Unit

Our FWW-V series fan coil adopts efficient heat exchange design and standardized production process. With the advanced motor control technology, the precise operation of the fan coil unit is guaranteed. All components of the unit are subject to selection of quality material and strict inspection to provide intelligent control products and centralized control solutions. The unit widely applies to all kinds of public, commercial and civil buildings.



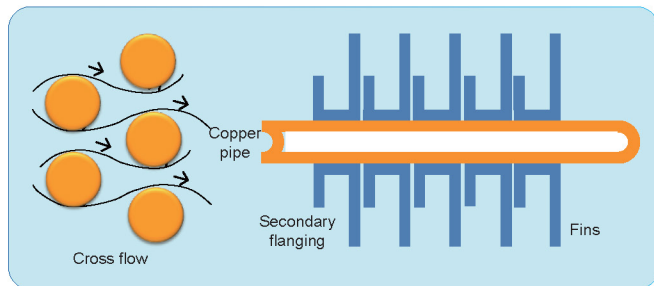
► Ingenious and thin body

The unit, light, shapely, thin and compact, can be even mounted in a narrow ceiling, occupying less mounting space. With a hidden design, the unit can match with a variety of decoration modes and perfectly fix to different architecture styles.



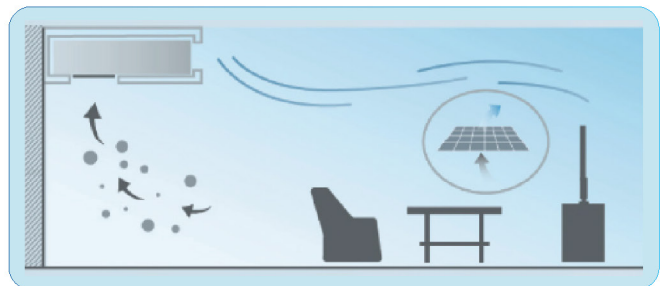
► Quiet operation, comfort and enjoyment

The unit is equipped with a low-noise, wide-impeller, and low-speed fan. Moreover, each fan is checked and inspected before delivery. The interior of the fan is adhered with efficient damping and heat insulating material to ensure quiet and efficient operation of the unit.



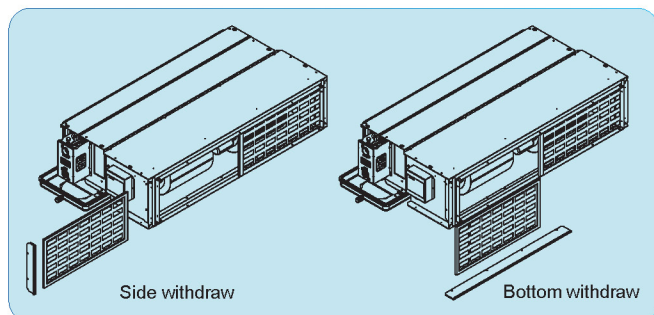
► Efficient heat exchange and excellent performance

By covering quality copper pipes with hyperbolic louver type hydrophilic aluminum fins and combining a quasi-counter flow design, the unit has great performance in heat exchange. The wide-impeller design lowers the noise of the unit.



► Abundant configuration, safety and reliability

The unit may be equipped with a lift pump, a PTC electric heater, an air purification component, or other devices to meet a variety of function requirements, and be assisted by an intelligent control mode, thus being flexible and safe.



► Easy maintenance

With unique design, the filter can be withdraw from either bottom or side. Users can clean or replace the filter much easier.



► Authoritative certificate

For the whole series, we comply with AHRI 400 Standard. For district cooling unit, Eurovent certificate is granted.

FWW-V Horizontal Ceiling Concealed Fan Coil Unit

Standard Unit / 2-Pipe / 4 Rows

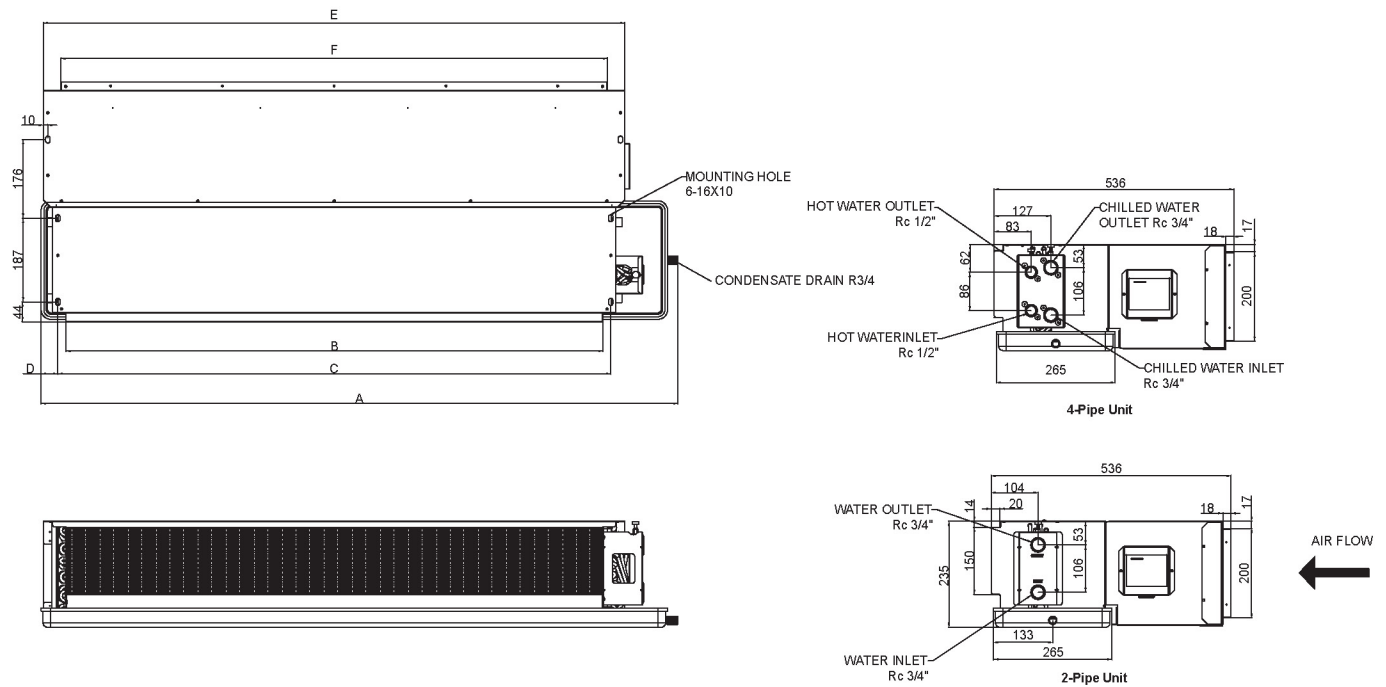
		Model	FWW200VF	FWW300VF	FWW400VF	FWW500VF	FWW600VF	FWW700VF	FWW800VF	FWW1000VF	FWW1200VF	FWW1400VF
Air Flow	High	m³/h	340	510	640	850	960	1170	1360	1680	1900	2180
		CFM	200	300	376	500	565	688	800	988	1118	1282
	Medium	m³/h	320	470	600	800	920	1100	1300	1620	1870	2030
		CFM	188	276	353	471	541	647	765	953	1100	1194
	Low	m³/h	280	380	450	600	730	730	950	1100	1360	1400
		CFM	165	224	265	353	429	429	559	647	800	824
ESP	Medium	Pa	50									
		in.wg.	0.2									
Total Cooling Capacity		W	2500	3600	4300	5100	6200	7100	8900	10500	11100	12200
		Btu/h	8530	12283	14672	17401	21154	24225	30367	35826	37873	41626
Water Flow Rate		m³/h	0.43	0.62	0.74	0.87	1.06	1.22	1.53	1.8	1.9	2.09
		USGPM	1.89	2.73	3.26	3.83	4.66	5.37	6.73	7.92	8.36	9.20
Water Pressure drop		kPa	30	34	29	24	38	36	32	39	38	38
		in.wg.	120	137	116	96	153	145	129	157	153	153
Rated Power Input	High	W	49	68	81	103	122	163	172	238	280	315
	Medium	W	46	65	77	98	115	156	165	225	265	295
	Low	W	42	57	71	92	107	130	150	202	243	260
Rated Running Current	High	A	0.22	0.3	0.36	0.45	0.54	0.72	0.76	1.05	1.23	1.38
	Medium	A	0.2	0.29	0.34	0.43	0.51	0.69	0.73	1	1.18	1.31
	Low	A	0.19	0.26	0.32	0.42	0.49	0.59	0.69	0.92	1.11	1.19
Sound Pressure Level	High	dB(A)	39	39	41	43	44	47	44	47	49	49.5
	Medium	dB(A)	38	38	40	42	43	46	43	46	48	48.5
	Low	dB(A)	34.5	32	35	35.5	39	37	37	37.5	41	41
Filter	Type		8mm Nylon Filter									
	Access		Both Side & Bottom Withdraw									
Coil	Row No.		4									
	Working Pressure		2.0 MPa									
	Material		Copper tube & Hydrophilic Aluminum									
	Water Volume	L	0.64	0.91	0.98	1.1	1.25	1.32	1.8	1.87	2.16	2.38
Fan	Type		Galvanized Steel Centrifugal Fan (Forward)									
	Quantity		1	2	2	2	2	2	3	3	4	4
Motor	Type		3 Speed PSC Motor									
	Quantity		1	1	1	1	1	1	2	2	2	2
	IP/Insulation		IP20 / ≥B									

NOTES:

- 1) All performance is tested under 230V~/50Hz and unit couple with return air plenum and 8mm nylon filter.
- 2) The air flow, power input, sound data is tested on standard air condition without water in coil.
- 3) The capacity is tested under M speed, 50Pa and below condition:
---Cooling capacity: Entering air DB/WB: 27°C/19.5°C, water inlet 7°C, water outlet 12°C
- 4) The sound pressure is measured according to GB/T 19232-2019 (1m below the unit bottom).

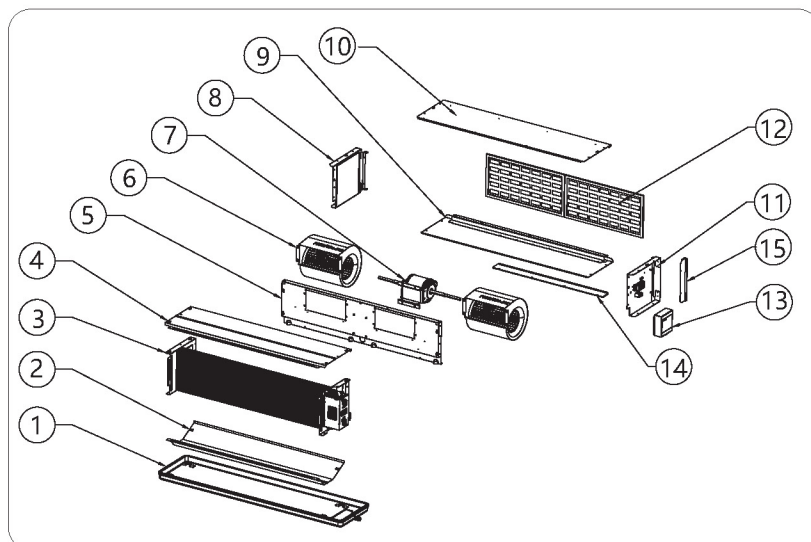
FWW-V Horizontal Ceiling Concealed Fan Coil Unit

Dimensions



Model	A		B	C	D	E	F	Package Dimension (L*D*H) mm	Net Weight (kg)		Gross Weight (kg)	
	Standard drain pan	Extend drain pan							3 rows	4 rows / 3+1 rows	3 rows	4 rows / 3+1 rows
FWW200V	625	825	401	437	37	501	423	641*250*558	13.3	13.8	15.2	15.9
FWW300V	815	1015	591	627	37	691	613	831*250*558	16.6	17.4	18.9	19.7
FWW400V	865	1065	641	677	37	741	663	881*250*558	18.2	19	20.6	21.4
FWW500V	945	1145	721	757	37	821	743	961*250*558	19.8	20.4	22.4	22.9
FWW600V	1045	1245	821	857	37	921	843	1061*250*558	21.3	21.9	24.1	24.6
FWW700V	1095	1295	871	907	37	971	893	1111*250*558	22	23.2	24.8	26
FWW800V	1425	1625	1201	1237	37	1301	1223	1441*250*558	31.8	33.4	35.3	36.9
FWW1000V	1475	1675	1251	1289	37	1351	1273	1491*250*558	34.2	35.9	37.8	39.5
FWW1200V	1675	1875	1451	1487	37	1551	1473	1691*250*558	38.4	40.3	42.5	44.4
FWW1400V	1825	2025	1601	1637	37	1701	1623	1841*250*558	41.5	43.6	45.8	47.9

Exploded-View & Part List



Items	Description
1	Drain pan
2	Deflector
3	Coil
4	Top panel
5	Fan deck
6	Fan
7	Motor
8	Air plenum left plate
9	Air plenum bottom plate
10	Air plenum top plate
11	Air plenum right plate
12	Filter
13	Wiring box
14	Bottom filter cover
15	Side filter cover

Guide Specifications for FWW Unit

► Unit Description

Factory-assembled, horizontal, galvanized casing, ceiling ducted fan coil unit is complete with water coil, fans, motors, drain pan, filters and all required wiring, with full access to internal components.

► Quality Assurance

Each coil is factory tested for leakage at 2.5MPa air pressure with coil submerged in water. Each unit and its moving components (fans and motors) are factory computer-tested and recorded after unit is complete and before it is packed.

► Factory shall be certified by following standard

1. ISO 9001:2015 certification for Quality Management Systems
2. ISO 14001:2015 certification for Environmental Management Systems
3. ISO 45001:2018 certification for Occupational Health and Safety

► Component Specifications

1.Casing:

Construction is galvanized steel, lined on the inside with thermal and acoustical insulation. Return air plenum is lined with XPE and has a collar for return duct connection. Supply duct connection also has a collar. Removable bottom panel is provided for access to the fan/motor assembly.

2. Coil:

Standard unit is equipped with a 3-rows, 4-rows or 3+1 rows coil for installation in a 2-pipe or 4-pipe system. Coil has seamless copper tubes, fins hydrophilic aluminum bonded to the tubes by mechanical expansion.

3. Fan:

Direct-driven centrifugal fan wheel has forward-curved blades which are statically and dynamically balanced.

The fan housing and blades are constructed of high quality hot-galvanized steel.

4.Motor:

Fan motor is 3-speed, permanent split-capacitor with ball type bearing and build-in automatic reset thermal overload protection. Motors have permanently lubricated ball bearings.

5. Drain Pan

Drain pan shall be die-formed steel, sloped to the piping connection, which will be threaded for easy connection. Both its sides are sprayed and outer side insulated with 6mm NBR that complies with GB 8624 B1 class requirement. It extends under the full length and width of the coils and is pitched for positive drainage with features of high anti-corrosion, anti-condensation and high fire reluctance.

6. Filter

Filter is with washable type Nylon filter with 8mm thickness.

Warning

- Daikin Industries, Ltd.'s products are manufactured for export to numerous countries throughout the world. Daikin Industries, Ltd. does not have control over which products are exported to and used in a particular country. Prior to purchase, please therefore confirm with your local authorized importer, distributor and/or retailer whether this product conforms to the applicable standards, and is suitable for use, in the region where the product will be used. This statement does not purport to exclude, restrict or modify the application of any local legislation.
- Ask a qualified installer or contractor to install this product. Do not try to install the product yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Use only those parts and accessories supplied or specified by Daikin. Ask a qualified installer or contractor to install those parts and accessories. Use of unauthorized parts and accessories or improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Read the User's Manual carefully before using this product. The User's Manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.

If you have any enquiries, please contact your local importer, distributor and/or retailer.

Cautions on product corrosion

1. The units should not be installed in areas where corrosive gases, such as acid gas or alkaline gas, are produced.
2. If the unit is to be installed close to the sea shore, direct exposure to the sea breeze should be avoided. If you need to install the unit close to the sea shore, contact your local distributor.