Duct Fan Coil Unit

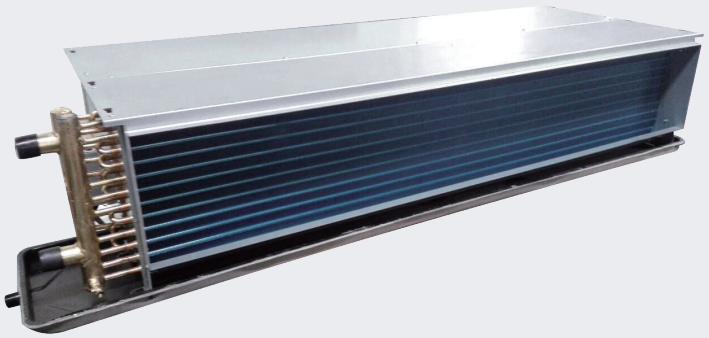
1020m³/h-3400m³/h

Application areas

- Any light commercial building
- Offices and shops
- Hotels

Why this choice?

- Very high performances
- Easy and quick to install like a fan coil
- Many available configurations



Characteristics

Frame and structure

Panels and frame are made of galvanized steel, properly punched and punched for fixing both accessories and the unit itself.

Heating coil

The coils are made of seamless tubes expanded into aluminum fins in continuous block. The connections have brass headers with female fittings and provided with easily accessible vent and drainage valve.

Fan deck

The fan decks are composed of double suction centrifugal fans with aluminum impellers and 3-speed fan motors. Each fan motor assembly is dynamically balanced.

Drip tray

The drip trays are made from sheet metal treated with polyester powder coating to ensure total resistance to atmospheric agents.

Filter

The easily removable filter is made of filtering honeycomb polypropylene fabric and supported by an aluminum frame. The filter is installed on the units with plenum only.

Electrical connection box

All electric wires are connected to enclosed electrical terminal block, situated on the same side of the water connections.

Optional

3 speed switch
ON-BOARD THERMOSTART
Mechanical type for two pipe system exposed version use, working mode selection (OFF-Heating-Cooling), ventilation (HIGH-MED-LOW) and room temperature setting.
LCD thermostat with display

Technical Data (Medium E.S.P. Type)

Model		102WAM	136WAM	170WAM	204WAM	238WAM	272WAM	306WAM	340WAM
Rated air volume m³/h	H	1020	1360	1700	2040	2380	2720	3060	3400
	M	765	1020	1275	1530	1785	2040	2295	2550
	L	510	680	850	1020	1190	1360	1530	1700
Rated cooling capacity kW		5.45	7.32	9.75	11.2	13.5	15.7	17.6	20.42
Rated heating capacity kW		8.18	10.98	14.63	16.80	20.25	23.55	26.40	30.63
Coil rows		3	3	3	3	3	3	3	3
Input power W		231	273	326	405	460	520	737	805
Noise dB(A)	H	47	49	50	52	54	56	57	59
	M	44	46	47	48	49	54	54	55
	L	41	42	43	44	46	47	49	51
Water volume l/h		937	1259	1677	1926	2322	2700	3027	3512
Water pressure loss kPa		20	12.4	20	29	12.7	23.5	25	36
Net weight kg		30	31	34	38	40	55	56	59
External static pressure Pa		100	100	100	100	100	100	100	100
Motor	Type	E class insulation, permanent capacitor, 3 speed fan							
	Qty	1	1	1	1	1	2	2	2
Fan	Type	Double inlet, forward curve, multi blades, centrifugal fan							
	Type	1	2	2	2	2	3	3	3
Water connection pipe		1″ (DN25)							
Condensed water pipe		3/4″ (DN20)							
Max working pressure		1.6MPa							
Power supply		AC 220V/50Hz							

Remarks:
1. The performance data is according to the test result of horizontal concealed type without plenum.
2. Cooling condition: inlet air DBT 27°C, WBT 19.5°C, inlet water temp. 7°C, temp. Difference 5°C.
3. Heating condition: inlet air DBT 21°C,inlet water temp. 60°C.

Technical Data (High E.S.P. Type)

Model		204WAH	238WAH	272WAH	306WAH	340WAH
Rated air volume m³/h	H	2040	2380	2720	3060	3400
	M	1530	1785	2040	2295	2550
	L	1020	1190	1360	1530	1700
Rated cooling capacity kW		11.2	13.5	15.7	17.6	20.42
Rated heating capacity kW		16.37	18.69	20.09	21.24	24.15
Coil rows		3	3	3	3	3
Input power W		405	460	520	737	805
Noise dB(A)	H	52	54	56	57	59
	M	48	49	54	54	55
	L	44	46	47	49	51
Water volume l/h		1926	2322	2700	3027	3512
Water pressure loss kPa		29	12.7	23.5	25	36
Net weight kg		38	40	55	56	59
External static pressure Pa		150	150	150	150	150
Motor	Type	E class insulation, permanent capacitor, 3 speed fan				
	Qty	1	1	2	2	2
Fan	Type	Double inlet, forward curve, multi blades, centrifugal fan				
	Type	2	2	3	3	3
Water connection pipe		1″ (DN25)				
Condensed water pipe		3/4″ (DN20)				
Max working pressure		1.6MPa				
Power supply		AC 220V/50Hz				

Remarks:
1. The performance data is according to the test result of horizontal concealed type without plenum.
2. Cooling condition: inlet air DBT 27°C, WBT 19.5°C, inlet water temp. 7°C, temp. Difference 5°C.
3. Heating condition: inlet air DBT 21°C,inlet water temp. 60°C.