

FCU-WAM

Concealed ceiling unit with medium ESP



AC fan motor unit for horizontal concealed mounting

Design features

Centrifugal fan

Well-known brand centrifugal fans, with galvanized steel and which is statically and dynamically balanced.

High efficiency coil

Coil are made of copper tubes and high exchange surface area aluminum blue fins. All coils are 100% tested against leaks by 16bar (1.6MPa) air pressure.

Condensate drain pan

Made of high quality steel plate, shape mould punched suitable for unit drainage.

Optional

3-speed switch, wired wall controller, WIFI, RS485 ModBus, master-slave network control, 2-way valve, 3-way valve, built in drain pump, electric heater



Performance data (2 pipes 3 rows)

Model		FCU102	FCU136	FCU170	FCU204	FCU238	FCU272	FCU306	FCU340
Rated air volume m ³ /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							
	Qty	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: inlet air temp. DB27°C/WB19.5°C, water inlet/outlet temp. 7°C/12°C.
3. Heating: inlet air temp. DB21°C, water inlet temp. 60°C; same water flow rate as for the cooling.

Concealed ceiling unit with high ESP



AC fan motor unit for horizontal concealed mounting

Design features

Centrifugal fan

Well-known brand centrifugal fans, with galvanized steel and which is statically and dynamically balanced.

High efficiency coil

Coil are made of copper tubes and high exchange surface area aluminum blue fins. All coils are 100% tested against leaks by 16bar (1.6MPa) air pressure.

Condensate drain pan

Made of high quality steel plate, shape mould punched suitable for unit drainage.

Optional

3-speed switch, wired wall controller, WIFI, RS485 ModBus, master-slave network control, 2-way valve, 3-way valve, built in drain pump, electric heater



Performance data (2 pipes 3 rows)

Model		FCU204	FCU238	FCU272	FCU306	FCU340
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	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				
	Qty	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:

- The performance data is according to the test result of horizontal concealed type without plenum.
- Cooling: inlet air temp. DB27°C/WB19.5°C, water inlet/outlet temp. 7°C/12°C.
- Heating: inlet air temp. DB21°C, water inlet temp. 60°C; same water flow rate as for the cooling.