



TAWM®

Wall Mounted
Fan coil unit

AC/DC Motor
Software

> advantages

- Elegant cabinet and screen design.
- Remote controller is equipped as standard.
- Optional: network control with DIP switch.
- AC/ DC motor is available.

> range

- 3 types of unit size:
 - 850x290x185mm; 1030x320x220mm;
 - 1080x320x240mm
- Coil version :
 - 2 tubes + 2 rows (standard).

> application

- TAWM unit for air conditioning of commercial buildings like Hotel rooms and offices of cooling and heating .

> construction / composition

- **Structure :**
 - ABS plastic casing with elegant design.
 - Metal parts with standard Q235 galvanized steel sheet
 - Back installation GI panel are provided for production site easy installation.
- **Fan :**
 - ABS impeller cross flow fans.
 - High efficiency and low noise level
- **Motor :**
 - Built-in single-phase motor IP20.
 - Thermal protection.
 - DC Motor is available.
- **Heat Exchanger:**
 - Copper tubes 3/8"(9.52mm)of refrigeration quality.
 - Connection : 1/2" male.
 - Blades in aluminum, mechanically crimped.
 - Mounted on slides and interchangeable on site.
 - 100% coil leakage test of 350PSI.
- **Swing Grill:**
 - With stepping motor control to the main PCB board. Low noise.

> packaging

- Individual in carton of FCL sea shipment worthy quality.
- Extra pallet will be provided of LCL or air shipment. Pallet is with corner protection and forklift gap.

> specifications

The TAWM ceiling cassette fan-coil unit is to have a low profile of 250mm. The airflow is from 340 to 1360 m³/h; cooling capacity from 1.98kw to 7.05kw. Project selection software is available for standard EUROVENT conditions, AHRI (ARI-440-2008) and district cooling conditions. Customerized requirements and OEM productions are available.

technical description

> General features

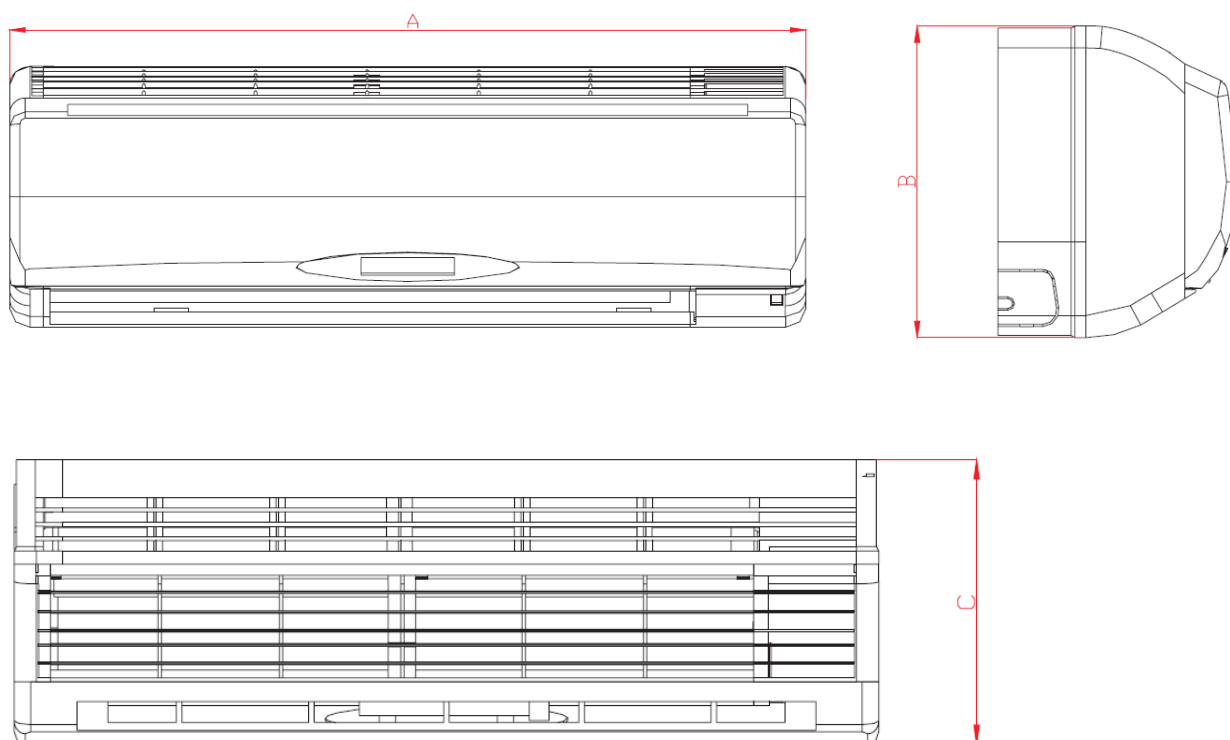
Model		02	03	04
Coil	Tube	7mm diameter copper tube		
	Fin	14pcs/inch corrugated aluminum blue fin		
Voltage		220-240V/1Ph/50-60Hz,110-127V/1Ph/50Hz		
Motor		3-speed AC; DC motor		
Fan		Cross flow ABS plastic wheel DIDW fan		
Power Input(W)		26	40	42
Noise dB(A)		34	37	40
Coil Connector		3/4"(female connection)		
Drain Connector		1/2"(flexible pipe)		
Net Weight(kg)		9	10	12

Model		05	06	08
Coil	Tube	7mm diameter copper tube		
	Fin	14pcs/inch corrugated aluminum blue fin		
Voltage		220-240V/1Ph/50-60Hz,110-127V/1Ph/50Hz		
Motor		3-speed AC; DC motor		
Fan		Cross flow ABS plastic wheel DIDW fan		
Power Input(W)		63	75	90
Noise dB(A)		43	44	45
Coil Connector		3/4"(female connection)		
Drain Connector		1/2"(flexible pipe)		
Net Weight(kg)		14	16	20



technical description

> Drawings



> Dimensions List

Model	02	03	04	05	06	08
A (mm)	850	850	1030	1030	1080	1080
B (mm)	290	290	320	320	350	350
C (mm)	185	185	220	220	240	240

> Performance Data

Conditions Reference:

A. Entering air temperature: +27°C DB; 19.0°C WB; Water Inlet/Outlet: +7/12°C; Standard Reference: EUROVENT.

B. District Cooling Rating: Entering air temperature: +24.4°C DB; 17.2°C WB; Water Inlet/Outlet: +5.5/14.4°C.

C. Entering air temperature: +80°F DB; +67°F WB; Water Inlet/Outlet: +45/55°F; Standard Reference: ARI-440:2008.

This catalogue performance data is only based on condition A and standard 2-pipe and 3-row coil fan coil unit. Please contact taitech-ac@vip.163.com for more careful data.

-Air Flow (m³/h)

Model	02	03	04	05	06	08
Nominal	340	510	680	850	1020	1360
H	345	519	668	826	1017	1340
M	297	447	543	694	902	1100
L	251	384	385	494	640	750

technical description

Cooling (kw)

Model	02	03	04	05	06	08
H	1.98	2.77	3.13	3.79	4.73	7.05
M	1.80	2.27	2.64	3.45	4.22	5.63
L	1.42	2.10	2.00	2.62	3.42	4.53
H	1.43	1.99	2.52	3.17	3.67	4.63
M	1.25	1.70	1.96	2.64	2.67	4.10
L	0.95	1.42	1.56	1.77	1.88	2.98

-Heating (kw)

Model	02	03	04	05	06	08
H	3.01	4.21	4.75	5.76	7.19	9.94
M	2.74	3.45	4.01	5.24	6.41	7.95
L	2.16	3.19	3.04	3.98	5.20	6.58

-Water Flow (l/s)

Model	02	03	04	05	06	08
H	0.09	0.12	0.17	0.22	0.25	0.34
M	0.08	0.11	0.14	0.18	0.20	0.26
L	0.06	0.09	0.11	0.13	0.15	0.22

-Water Pressure Drop (kpa)

Model	02	03	04	05	06	08
H	0.09	0.13	0.15	0.18	0.22	0.31
M	0.09	0.11	0.13	0.16	0.20	0.22
L	0.07	0.10	0.10	0.13	0.16	0.21

Accessories

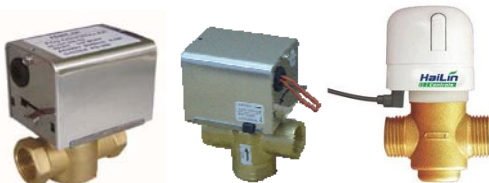
-Remote Controller

Remote controller is equipped as standard components of the wall mounted fan coil units.

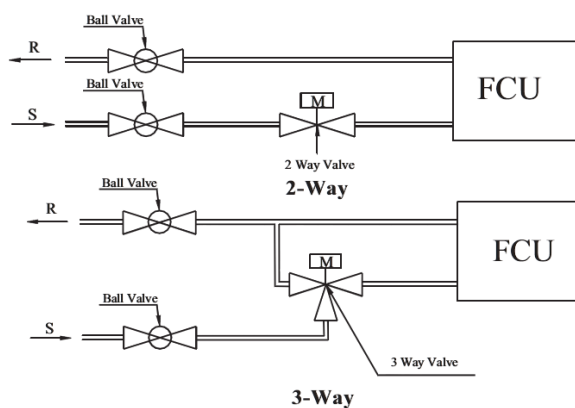


-Control Valve

Mechanical or thermal types of valve can be selected. DN15(1/2"), 20(3/4") and 25(1") are the most frequently used type. Valve kit can be factory assembled for easy project site installation.



Valves can be installed either inside or outside the fan coil units.



- Condensate Pump

Mini condensate pump is an optional accessory for easy draining of condensate water. The maximum water flow can be 12L/h.



- Cord Cable Control (Optional)

Project site cord cable control is optional requirement. Manuals with detailed wiring diagram and instructions.

PE	N	L	H	M	Low
Green	Blue	Live	Yellow	White	Black

