



T2KM[®]

Two-way Ceiling Cassette Fan coil unit

AC/DC Motor Software

> advantages

- 5 versions available; 400-800 CFM
- Flat ABS panel with step motor control air outlet.
- Optional: network control with DIP switch.
- AC/ DC motor is available.

> range

- ABS plastic front panel sizes :
 - 1240x680x30mm
- 4 models :
 - T2KM02-04 400CFM 2-pipe
 - T2KM02-05 500CFM 2-pipe
 - T2KM02-06 600CFM 2-pipe
 - T2KM02-08 800CFM 2-pipe

> application

- T2KM unit for air conditioning of commercial buildings like Hotel lobbies and offices of cooling and heating .

> construction / composition

- **Structure :**
 - ABS plastic front panel with elegant design.
 - Metal parts with standard Q235 galvanized steel sheet with reinforcement hanger for ceiling mounted installation.
 - IR Remote control is equipped as standard requirement.
- **Drain Pump**
 - High performance of floating switch drain pump is equipped as standard parts.
- **Fan :**
 - ABS fan impeller of centrifugal 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 : 3/4" male.
 - Blades in aluminum, mechanically crimped.
 - Mounted on slides and interchangeable on site.
 - 100% coil leakage test of 350PSI.
- **Fresh air and branch air duct connection:**
 - Fresh air and branch air duct connection can be as optional requirements.

> 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 T2KM ceiling cassette fan-coil unit is to have a low profile of 235mm. The airflow is from 680 to 1360 m³/h; cooling capacity from 3.6kw to 7.2kw. Project selection software is available for standard EUROVENT conditions, AHRI (ARI-440-2008) and district cooling conditions. Customized requirements and OEM productions are available.

technical description

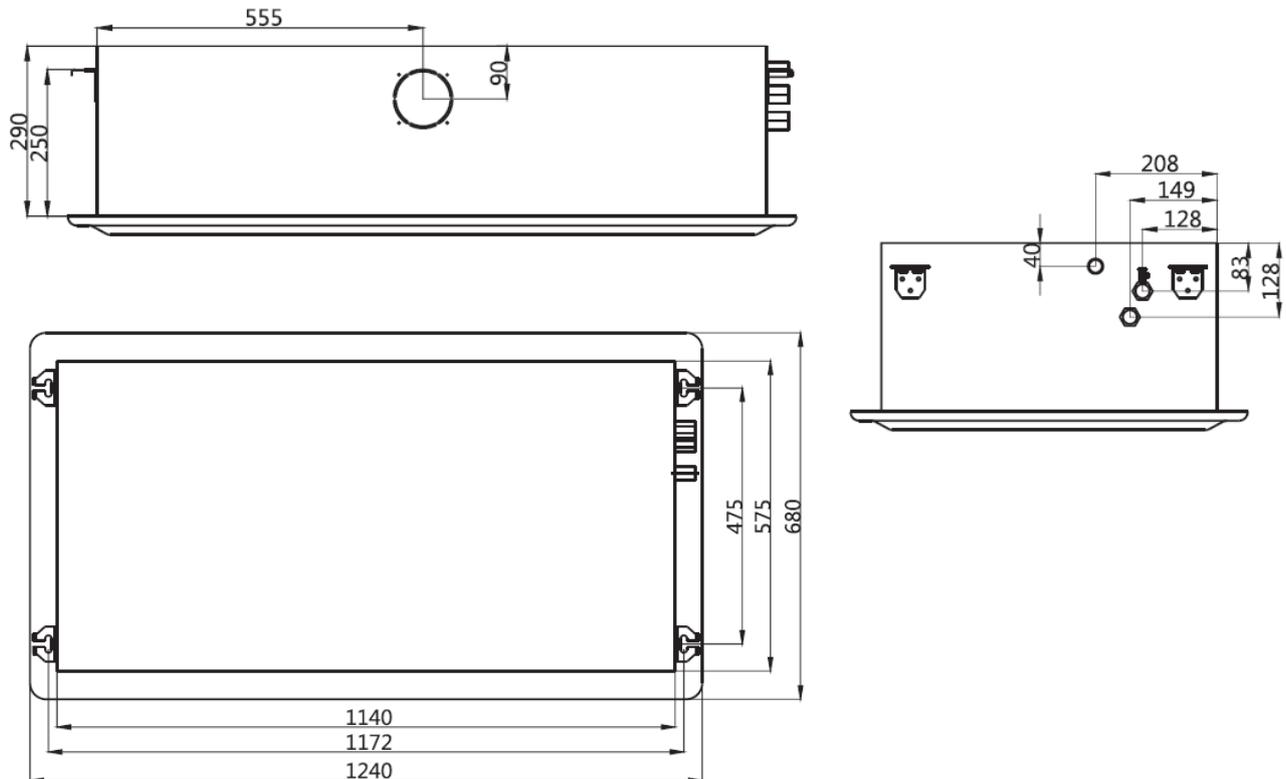
> General features

Model	04	05	06	08	
Coil	Tube	3/8"(9.52mm) diameter copper tube			
	Fin	12pcs/inch corrugated aluminum blue fin			
	Pipe	2 or 4	2 or 4	2 or 4	2 or 4
	Row	2	3	4	4
Fan	Centrifugal backward steel wheel DIDW fan				
Power Input(W)	64	100	110	130	
Current(A)	0.29	0.45	0.50	0.59	
Noise dB(A)	42	43	45	46	
Coil Connector	3/4"(female connection)				
Drain Connector	25mm plastic connection				
Net Weight(kg)	32	34	36	38	



technical description

> Drawings



> 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	04	05	06	08
Nominal	680	850	1020	1360
H	678	865	1035	1380
M	526	650	780	1060
L	412	490	620	818

technical description

-Cooling (kw)

Model		04	05	06	08
H	Total	3.63	4.52	5.42	7.12
M		2.87	3.40	4.18	5.56
L		2.23	2.68	3.23	4.15
H	Sensible	2.60	3.23	3.86	4.98
M		2.23	2.68	3.12	4.23
L		1.93	2.25	2.65	3.48

-Heating (kw)

Model	04	05	06	08
H	5.56	6.87	8.12	10.68
M	4.25	5.28	6.32	8.02
L	3.28	4.12	4.85	6.23

-Water Flow (l/s)

Model	04	05	06	08
H	0.18	0.22	0.24	0.34
M	0.15	0.19	0.20	0.29
L	0.11	0.15	0.17	0.25

-Water Pressure Drop (kpa)

Model	04	05	06	08
H	3.72	4.95	9.50	11.78
M	3.02	4.16	7.68	9.83
L	1.88	3.40	5.92	7.59

> Accessories

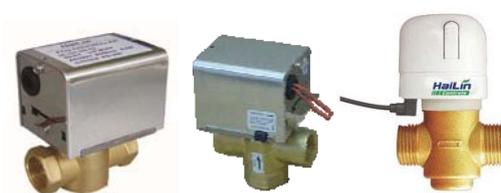
-Thermostat

Mechanical or Digital Thermostat can be equipped as control parts. Various types of thermostats can be selected.



-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.



-Drain pump maintenance

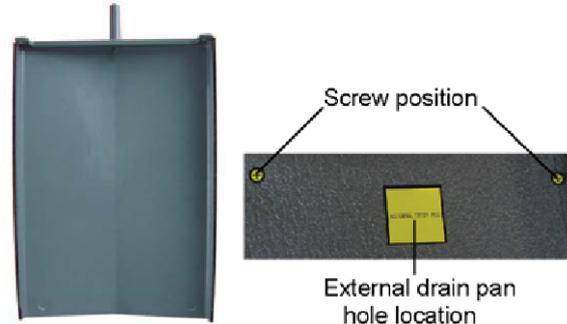
Easy drain pump maintenance design. Customers only need to draw out the panel to check pump conditions.



Pump maintenance

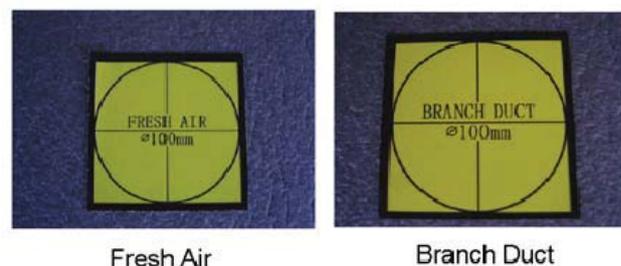
-Auxiliary Drain Tray

G.I. material with power coating. This accessory is mainly used for condensate water from valve kit.



-Fresh Air & Branch Air Duct Access

Fresh air and branch air duct access can be pre-stamped on the fan coil units for option.



Fresh Air

Branch Duct