



T1KM[®]

One-way Ceiling Cassette Fan coil unit

AC/DC Motor Software

> advantages

- 5 versions available; 200-600 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 :
 - 1055x580x30mm
- 5 models :
 - T1KM02-02 200CFM 2-pipe
 - T1KM02-03 300CFM 2-pipe
 - T1KM02-04 400CFM 2-pipe
 - T1KM02-05 500CFM 2-pipe
 - T1KM02-06 600CFM 2-pipe

> application

- T1KM 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 T1KM ceiling cassette fan-coil unit is to have a low profile of 235mm. The airflow is from 340 to 1020 m³/h; cooling capacity from 1.9kw to 5.4kw. 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

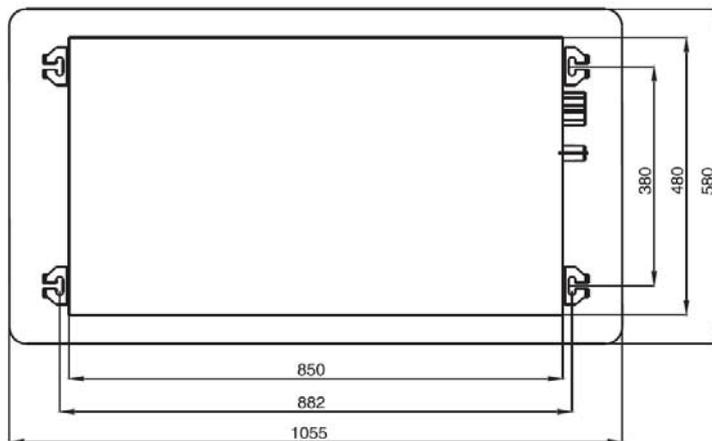
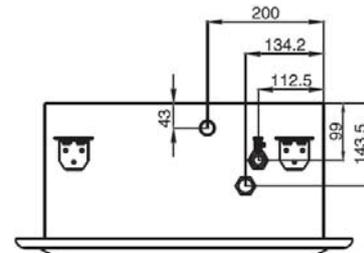
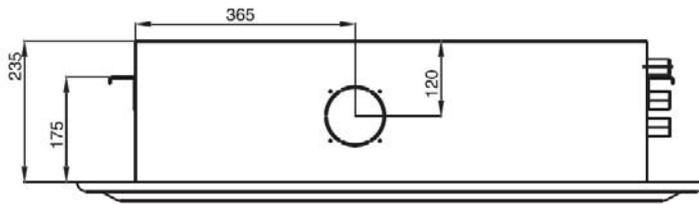
> General features

Model	02	03	04	05	06	
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	2 or 4
	Row	2	2	3	4	4
Fan	Centrifugal backward steel wheel DIDW fan					
Power Input(W)	46	54	62	100	110	
Current(A)	0.20	0.24	0.28	0.46	0.51	
Noise dB(A)	39	39	40	43	45	
Coil Connector	3/4"(female connection)					
Drain Connector	25mm plastic connection					
Net Weight(kg)	20	22	24	25	28	



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	02	03	04	05	06
Nominal	340	510	680	850	1020
H	336	544	678	865	1134
M	272	483	536	721	971
L	190	308	342	621	743

technical description

-Cooling (kw)

Model		02	03	04	05	06
H	Total	1.92	2.75	3.62	4.52	5.45
M		1.56	2.28	2.88	3.42	4.12
L		1.08	1.62	2.25	2.68	3.23
H	Sensible	1.32	1.93	2.53	3.20	3.83
M		1.16	1.58	2.12	2.56	2.82
L		0.82	1.12	1.78	2.03	2.47

-Heating (kw)

Model	02	03	04	05	06
H	2.78	4.12	5.43	7.08	8.28
M	2.25	2.43	4.28	5.24	6.13
L	1.52	1.78	3.21	3.96	4.80

-Water Flow (l/s)

Model	02	03	04	05	06
H	0.09	0.14	0.17	0.22	0.26
M	0.07	0.11	0.15	0.19	0.22
L	0.05	0.09	0.12	0.16	0.18

-Water Pressure Drop (kpa)

Model	02	03	04	05	06
H	2.72	3.95	8.73	10.73	11.86
M	2.19	3.16	6.78	8.37	9.78
L	1.55	2.42	5.25	6.53	7.52

> Accessories

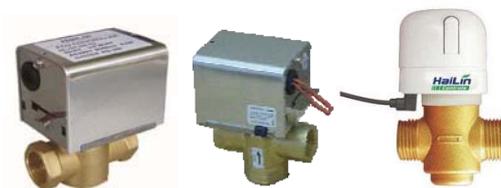
-Thermostat

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

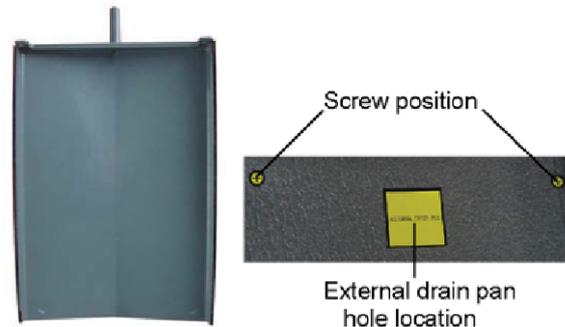
Easy drain pump maintenance design. Customers only need to draw out the panel to check pump conditions.



Pump maintenance

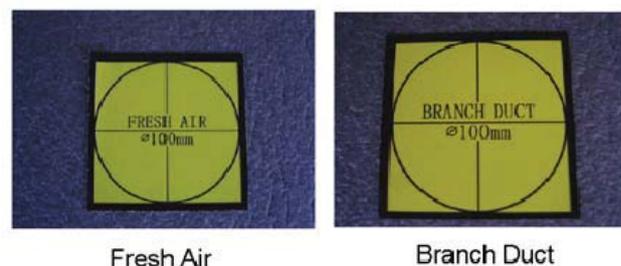
-Auxiliary Drain Tray

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