



TALD®

Low static pressure
Fan coil unit

AC/DC Motor
Software

► advantages

- Available Pressure: 0 to 50 Pa.
- Extra flat: 245mm or 295mm height.
- Optional: Double-skin casing.
- AC/ DC motor is available.

► range

- 2 sizes : - Size 1 : max. flow : 2380 m³/h.
- Size 2 : max. flow : 3400 m³/h.
- 3 versions : - 2 tubes + 3 rows (standard).
- 2 tubes + 4 rows.
- 4 tubes + 3+1 rows.

► application

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

► construction / composition

- **Structure :**
 - Galvanized steel casing with corner reinforced hanging holes. Suspension by M8 nuts, crimped into the structure.
 - Powder coating of RAL color code is as option for high humidity and rust conditions.
 - Double-skin casing is also as option.
 - Outer layer: 0.5mm thickness pre-painted G.I. sheet.
 - Inner layer: 0.5mm thickness G.I. sheet.
 - In between: Density of 40kg/m³ PE insulation.
 - Total thickness: 25mm
- **Fan :**
 - Forward curved centrifugal, double inlet with direct drive.
 - Fan and filter access by access door.
- **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.
- **Filters :**
 - Nylon filter with aluminum frame 8mm and G4
 - Different filter thickness (12.5mm/25mm) is available.

► 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 TALD low static pressure fan-coil unit is to have a low profile of 245 or 295 mm. The airflow is from 340 to 3400 m³/h; cooling capacity from 1.5kw to 11kw (sensible at medium speed).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

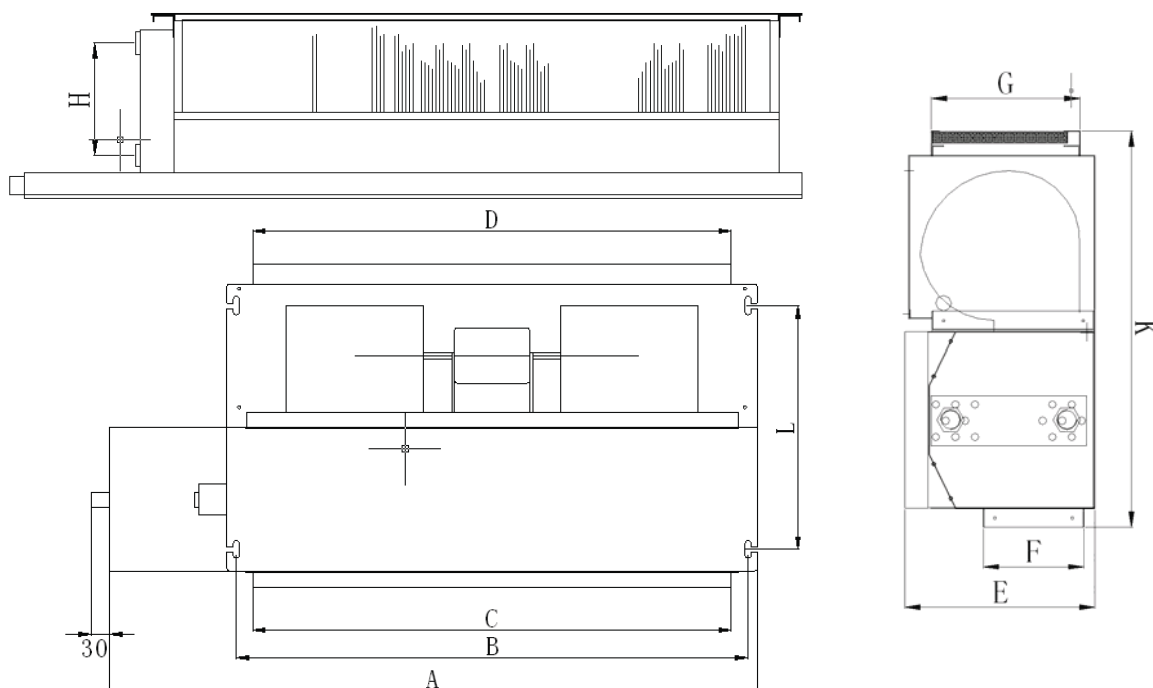
| Model | | 02 | 03 | 04 | 05 | 06 |
|-----------------|-------|---|-----|-----|-----|-----|
| Coil | Tube | 3/8"(9.52mm) diameter copper tube | | | | |
| | Fin | 12pcs/inch corrugated aluminum blue fin | | | | |
| | L(mm) | 490 | 590 | 690 | 790 | 920 |
| | H(mm) | 200 | 200 | 200 | 200 | 200 |
| Fan | | GI wheel direct driven double inlet centrifugal fan | | | | |
| Power Input(W) | | 64 | 88 | 118 | 132 | 151 |
| Noise dB(A) | | 27 | 29 | 34 | 35 | 37 |
| Coil Connector | | 3/4"(female connection) | | | | |
| Drain Connector | | 3/4"(male connection) | | | | |
| Net Weight(kg) | | 19 | 21 | 22 | 24 | 26 |

| 08 | 10 | 12 | 14 | 16 | 18 | 20 |
|---|------|------|------|------|------|------|
| 3/8"(9.52mm) diameter copper tube | | | | | | |
| 12pcs/inch corrugated aluminum blue fin | | | | | | |
| 1240 | 1440 | 1650 | 1750 | 1640 | 1800 | 1900 |
| 200 | 200 | 200 | 200 | 250 | 250 | 250 |
| GI wheel direct driven double inlet centrifugal fan | | | | | | |
| 186 | 205 | 245 | 285 | 320 | 385 | 450 |
| 38 | 39 | 46 | 47 | 48 | 52 | 56 |
| 3/4"(female connection) | | | | | | |
| 3/4"(male connection) | | | | | | |
| 36 | 37 | 45 | 48 | 52 | 56 | 58 |



technical description

> Drawings



> Dimensions List

| ITEM mm | A | B | C | D | E | F | G | H | K | L |
|------------|------|------|------|------|-----|-----|-----|-----|-----|-----|
| TALD02 | 740 | 522 | 470 | 470 | 245 | 130 | 192 | 150 | 517 | 390 |
| TALD03 | 840 | 622 | 570 | 570 | 245 | 130 | 192 | 150 | 517 | 390 |
| TALD04 | 940 | 722 | 670 | 670 | 245 | 130 | 192 | 150 | 517 | 390 |
| TALD05 | 1040 | 822 | 770 | 770 | 245 | 130 | 192 | 150 | 517 | 390 |
| TALD06 | 1240 | 952 | 900 | 900 | 245 | 130 | 192 | 150 | 517 | 390 |
| TALD08 | 1540 | 1272 | 1220 | 1220 | 245 | 130 | 192 | 150 | 517 | 390 |
| TALD10 | 1770 | 1472 | 1420 | 1420 | 245 | 130 | 192 | 150 | 517 | 390 |
| TALD12 | 1940 | 1682 | 1630 | 1630 | 245 | 130 | 192 | 150 | 517 | 390 |
| TALD14 | 2040 | 1782 | 1730 | 1730 | 245 | 130 | 192 | 150 | 517 | 390 |
| TALD16 | 1940 | 1672 | 1620 | 1620 | 295 | 180 | 242 | 200 | 577 | 450 |
| TALD18 | 2040 | 1832 | 1780 | 1780 | 295 | 180 | 242 | 200 | 577 | 450 |
| TALD20 | 2100 | 1932 | 1880 | 1880 | 295 | 180 | 242 | 200 | 577 | 450 |

> Performance Data

Conditions Reference:

A. Entering air temperature: +27°C DB; 19.5°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 | 10 | 12 | 14 | 16 | 18 | 20 |
|---------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|
| Nominal | 340 | 510 | 680 | 850 | 1020 | 1360 | 1700 | 2040 | 2380 | 2720 | 3060 | 3400 |
| H | 386 | 548 | 728 | 848 | 1028 | 1342 | 1680 | 1980 | 2310 | 2580 | 2905 | 3280 |
| M | 328 | 480 | 576 | 615 | 755 | 881 | 1132 | 1403 | 1598 | 1909 | 2168 | 2380 |
| L | 289 | 336 | 368 | 398 | 597 | 629 | 775 | 1006 | 1182 | 1394 | 1476 | 1635 |

technical description

-Cooling (kw)

| Model | 02 | 03 | 04 | 05 | 06 | 08 | 10 | 12 | 14 | 16 | 18 | 20 |
|-------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|
| H | 2.52 | 3.66 | 4.12 | 4.57 | 5.72 | 7.02 | 9.47 | 10.84 | 11.97 | 13.73 | 15.20 | 17.57 |
| M | 2.15 | 3.18 | 3.29 | 3.68 | 4.59 | 5.59 | 7.17 | 8.87 | 9.61 | 11.78 | 12.44 | 13.52 |
| L | 1.80 | 1.93 | 2.24 | 2.28 | 3.87 | 4.35 | 5.41 | 6.93 | 8.00 | 9.34 | 9.71 | 10.35 |
| H | 1.80 | 2.60 | 3.01 | 3.27 | 4.05 | 4.94 | 6.63 | 7.52 | 8.28 | 9.54 | 10.74 | 12.37 |
| M | 1.52 | 2.24 | 2.35 | 1.60 | 3.20 | 3.87 | 4.94 | 6.08 | 6.57 | 8.10 | 8.67 | 9.36 |
| L | 1.25 | 1.54 | 1.66 | 1.84 | 2.67 | 2.96 | 3.66 | 4.68 | 5.41 | 6.34 | 6.66 | 7.05 |

-Heating (kw)

| Model | 02 | 03 | 04 | 05 | 06 | 08 | 10 | 12 | 14 | 16 | 18 | 20 |
|-------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|
| H | 2.94 | 4.12 | 4.82 | 5.23 | 6.41 | 7.87 | 10.44 | 11.82 | 12.97 | 14.98 | 16.95 | 19.42 |
| M | 2.48 | 3.57 | 3.82 | 4.21 | 5.14 | 6.23 | 7.88 | 9.64 | 10.40 | 12.81 | 13.81 | 14.90 |
| L | 2.10 | 2.51 | 2.71 | 3.01 | 4.29 | 4.81 | 5.91 | 7.50 | 8.63 | 10.14 | 10.72 | 11.33 |

-Water Flow (l/s)

| Model | 02 | 03 | 04 | 05 | 06 | 08 | 10 | 12 | 14 | 16 | 18 | 20 |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| H | 0.12 | 0.17 | 0.20 | 0.22 | 0.27 | 0.34 | 0.45 | 0.52 | 0.57 | 0.66 | 0.73 | 0.84 |
| M | 0.10 | 0.15 | 0.16 | 0.18 | 0.22 | 0.27 | 0.34 | 0.42 | 0.46 | 0.56 | 0.59 | 0.65 |
| L | 0.09 | 0.11 | 0.11 | 0.13 | 0.18 | 0.21 | 0.26 | 0.33 | 0.38 | 0.45 | 0.46 | 0.49 |

-Water Pressure Drop (kpa)

| Model | 02 | 03 | 04 | 05 | 06 | 08 | 10 | 12 | 14 | 16 | 18 | 20 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| H | 10.21 | 19.71 | 10.51 | 13.81 | 21.58 | 19.59 | 33.67 | 46.13 | 55.66 | 46.61 | 27.43 | 36.11 |
| M | 8.26 | 16.38 | 7.82 | 10.43 | 16.19 | 14.51 | 23.37 | 35.44 | 41.72 | 38.10 | 21.09 | 25.57 |
| L | 6.62 | 10.35 | 5.13 | 6.85 | 12.93 | 10.44 | 16.13 | 25.61 | 32.78 | 28.10 | 15.24 | 18.00 |

> 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.



-Electrical Heater

Electrical heater can be as optional requirement for projects need high heating capacity. All heaters are with thermal protection under safety approval. Heating capacity ranges from 1.0kw to 6kw. Wiring of the electrical heater is in the same terminal box of fan coil units.



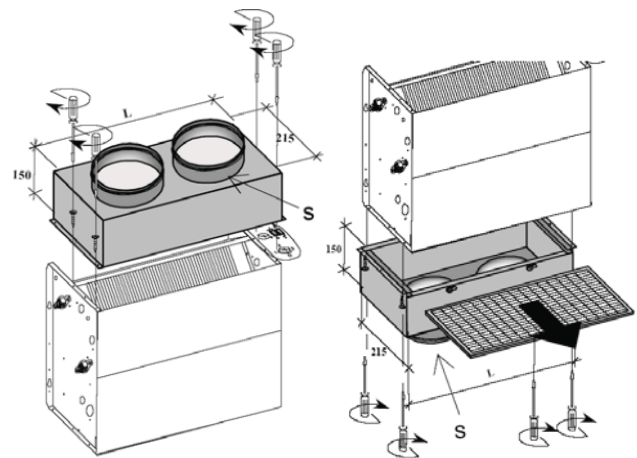
-Auxiliary Drain Tray

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



-Air Outlet Or Inlet Plenum With Circular Connector

Air outlet or inlet plenum with circular connector. The plenum is insulated.





TAHD®

High static pressure
Fan coil unit

AC/DC Motor
Software

► advantages

- Available Pressure: 75 to 150 Pa.
- Duct flange seal connection.
- Optional: Double-skin casing.
- AC/ DC motor is available.

► range

- Air flow range:- max air volume 5100 m³/h
Cooling capacity:- max cooling capacity 30kw
- 3 versions : - 2 tubes + 4 rows (standard).
- 2 tubes + 6 rows.
- 4 tubes + 3+1 rows.
- 4 tubes + 4+2 rows.

► application

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

► construction / composition

- **Structure :**
 - Galvanized steel casing with corner reinforced hanging holes. Suspension by M8 nuts, crimped into the structure.
 - Powder coating of RAL color code is as option for high humidity and rust conditions.
 - Double-skin casing is also as option.
 - Outer layer: 0.5mm thickness pre-painted G.I. sheet.
 - Inner layer: 0.5mm thickness G.I. sheet.
 - In between: Density of 40kg/m³ PE insulation.
 - Total thickness: 25mm
- **Fan :**
 - Forward curved centrifugal, double inlet with direct drive.
 - Fan and filter access by access door.
- **Motor :**
 - Built-in single-phase motor IP20/IP44.
 - 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% leakage test of 350PSI.
- **Filters :**
 - Nylon filter with aluminum frame 8mm and G4
 - Different filter thickness (12.5mm/25mm) is available.

► 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

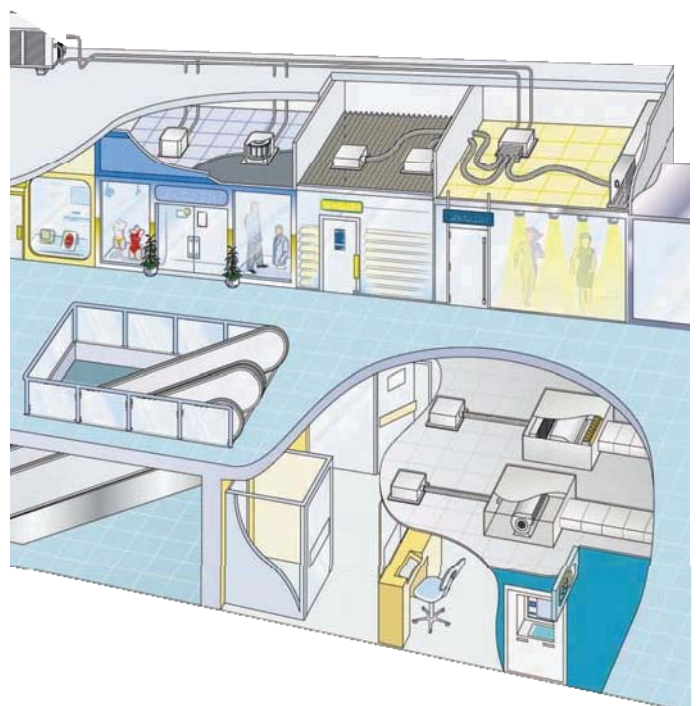
The TAHD high static pressure fan-coil unit is mainly used for ceiling ducted occasion. The airflow is from 1360 to 5100 m³/h; cooling capacity from 5.94kw to 30kw (sensible at medium speed).Project selection software is available for standard EUROVENT conditions, AHRI (ARI-440-2008) and district cooling conditions. Customerized requirements and OEM productions are available.

technical description

► General features

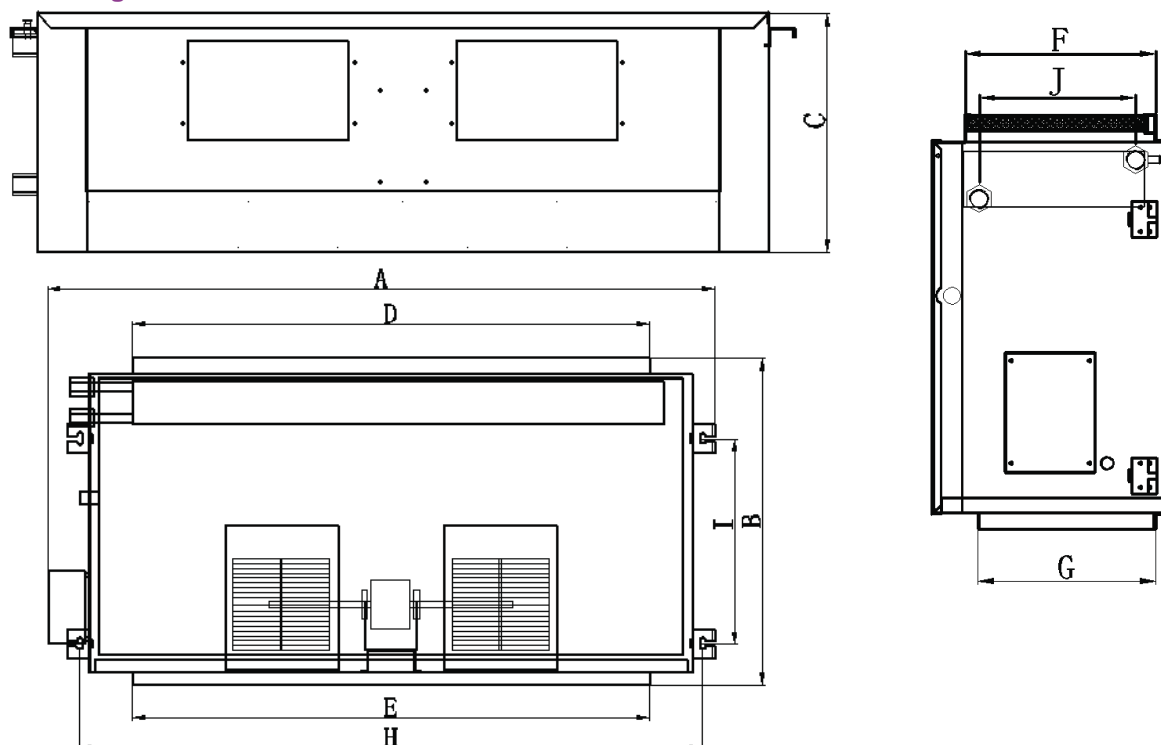
| Model | | 08 | 10 | 12 | 14 | 18 |
|-----------------|-------|---|-------|------|------|------|
| Coil | Tube | 3/8"(9.52mm) diameter copper tube | | | | |
| | Fin | 12pcs/inch corrugated aluminum blue fin | | | | |
| | L(mm) | 800 | 900 | 1000 | 1160 | 1200 |
| | H(mm) | 200 | 200 | 200 | 200 | 200 |
| Fan | | GI wheel direct driven double inlet centrifugal fan | | | | |
| Power Input(W) | | 368 | 460 | 564 | 650 | 845 |
| Noise dB(A) | | 44 | 45 | 46 | 49 | 49 |
| Coil Connector | | 3/4"F | 3/4"F | 1"F | 1"F | 1"F |
| Drain Connector | | 3/4"(male connection) | | | | |
| Net Weight(kg) | | 42 | 50 | 55 | 72 | 76 |

| 20 | 24 | 30 |
|---|------|------|
| 3/8"(9.52mm) diameter copper tube | | |
| 12pcs/inch corrugated aluminum blue fin | | |
| 1330 | 1350 | 1680 |
| 200 | 200 | 200 |
| GI wheel direct driven double inlet centrifugal fan | | |
| 934 | 1128 | 1445 |
| 51 | 53 | 57 |
| 1"F | 1"F | 1"F |
| 3/4"(male connection) | | |
| 83 | 93 | 108 |



technical description

► Drawings



► Dimensions List

| ITEM mm | A | B | C | D | E | F | G | H | I | J |
|------------|------|-----|-----|------|------|-----|-----|------|-----|-----|
| TAHD08 | 1090 | 568 | 340 | 780 | 780 | 255 | 255 | 1000 | 280 | 213 |
| TAHD10 | 1190 | 568 | 340 | 880 | 880 | 255 | 255 | 1100 | 280 | 213 |
| TAHD12 | 1290 | 568 | 390 | 980 | 980 | 305 | 305 | 1200 | 280 | 260 |
| TAHD14 | 1450 | 688 | 390 | 1140 | 1000 | 305 | 305 | 1360 | 425 | 260 |
| TAHD18 | 1490 | 688 | 450 | 1180 | 1100 | 365 | 305 | 1400 | 425 | 310 |
| TAHD20 | 1620 | 863 | 450 | 1310 | 1200 | 365 | 305 | 1530 | 425 | 310 |
| TAHD24 | 1640 | 863 | 500 | 1330 | 1200 | 415 | 355 | 1550 | 575 | 360 |
| TAHD30 | 1970 | 863 | 500 | 1660 | 1500 | 415 | 355 | 1880 | 575 | 360 |

► Performance Data

Conditions Reference:

A. Entering air temperature: +27°C DB; 19.5°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 4-row coil fan coil unit. please contact taitech-ac@vip.163.com for more careful data.

-Air Flow (m³/h)

| Model | 08 | 10 | 12 | 14 | 18 | 20 | 24 | 30 |
|---------|------|------|------|------|------|------|------|------|
| Nominal | 1001 | 1516 | 2053 | 2406 | 3267 | 3590 | 4108 | 5070 |
| H | 892 | 1213 | 1643 | 1925 | 2613 | 2684 | 3286 | 3802 |
| M | 669 | 910 | 1232 | 1444 | 1960 | 2013 | 2465 | 2851 |
| L | 1001 | 1516 | 2053 | 2406 | 3267 | 3590 | 4108 | 5070 |

technical description

-Cooling (kw)

| Model | 08 | 10 | 12 | 14 | 18 | 20 | 24 | 30 |
|-------|------|------|-------|-------|-------|-------|-------|-------|
| H | 6.44 | 9.12 | 12.56 | 15.06 | 19.82 | 22.20 | 25.56 | 32.57 |
| M | 5.94 | 7.82 | 10.76 | 12.89 | 16.99 | 18.11 | 21.87 | 26.55 |
| L | 4.83 | 6.38 | 8.76 | 10.47 | 13.83 | 14.70 | 17.78 | 21.48 |
| H | 4.53 | 6.48 | 8.84 | 10.50 | 13.88 | 15.43 | 17.74 | 22.33 |
| M | 4.14 | 5.47 | 7.47 | 8.87 | 11.74 | 12.39 | 15.00 | 17.95 |
| L | 3.30 | 4.37 | 5.97 | 7.08 | 9.40 | 9.90 | 12.00 | 14.31 |

-Heating (kw)

| Model | 08 | 10 | 12 | 14 | 18 | 20 | 24 | 30 |
|-------|------|-------|-------|-------|-------|-------|-------|-------|
| H | 7.67 | 10.90 | 14.80 | 17.47 | 23.05 | 25.53 | 29.34 | 36.68 |
| M | 7.00 | 9.20 | 12.51 | 14.77 | 19.52 | 20.52 | 24.82 | 29.50 |
| L | 5.58 | 7.35 | 10.01 | 11.79 | 15.64 | 16.39 | 19.87 | 23.53 |

-Water Flow (l/s)

| Model | 08 | 10 | 12 | 14 | 18 | 20 | 24 | 30 |
|-------|------|------|------|------|------|------|------|------|
| H | 0.31 | 0.44 | 0.60 | 0.72 | 0.95 | 1.06 | 1.22 | 1.56 |
| M | 0.28 | 0.37 | 0.51 | 0.62 | 0.81 | 0.86 | 1.04 | 1.27 |
| L | 0.23 | 0.30 | 0.42 | 0.50 | 0.66 | 0.70 | 0.85 | 1.03 |

-Water Pressure Drop (kpa)

| Model | 02 | 03 | 04 | 05 | 06 | 08 | 10 | 12 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| H | 11.24 | 19.17 | 25.08 | 36.16 | 43.19 | 54.83 | 56.14 | 93.36 |
| M | 10.21 | 15.94 | 20.86 | 30.01 | 35.93 | 42.99 | 46.60 | 73.09 |
| L | 7.96 | 12.48 | 16.30 | 23.41 | 28.09 | 33.50 | 36.39 | 56.73 |

> Accessories

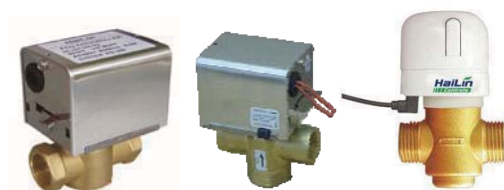
-Thermostat

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.



-Electrical Heater

Electrical heater can be as optional requirement for projects need high heating capacity. All heaters are with thermal protection under safety approval. Heating capacity ranges from 1.0kw to 6kw. Wiring of the electrical heater is in the same terminal box of fan coil units.



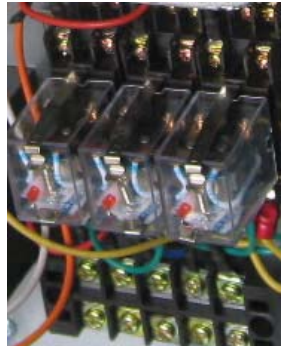
-Auxiliary Drain Tray

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



-Control Relay

Control relay can be added into the TAHD terminal box for project site easy connection of the thermostat because the TAHD units is with big capacity and the current in the circuit might over standard thermostat limited current.



TAHE[®]

Universal
Fan coil unit



AC/DC Motor
Software

► advantages

- Elegant cabinet and grill design
- V-shape drain pan; can be both horizontal and vertical installation
- Optional: network control with DIP switch.
- AC/ DC motor is available.

► range

- 2 ways of air return:
 - Bottom air return
 - Front air return
- 2 versions :
 - 2 tubes + 3 rows (standard); 2 tubes + 4 rows.
 - 4 tubes + 3+1 rows ;

► application

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

► construction / composition

- **Structure :**
 - ABS plastic air return and supply grill with elegant design.
 - Metal parts with standard Q235 galvanized steel sheet with reinforcement hanger for ceiling mounted installation.
 - ABS plastic feet can be added for floor standing installation.
- **Air Return Ways**
 - Bottom air return or front air return can be selected by customers. Nylon filter is standard provided for both air return ways.
- **Fan :**
 - GI 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.
- **Drain Tray:**
 - Punched in a whole; without any welding traces. Powder coated on GI sheet with PE insulation.

► 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 TAHE ceiling cassette fan-coil unit is to have a low profile of 250mm. The airflow is from 340 to 2380 m³/h; cooling capacity from 1.98kw to 13kw. 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

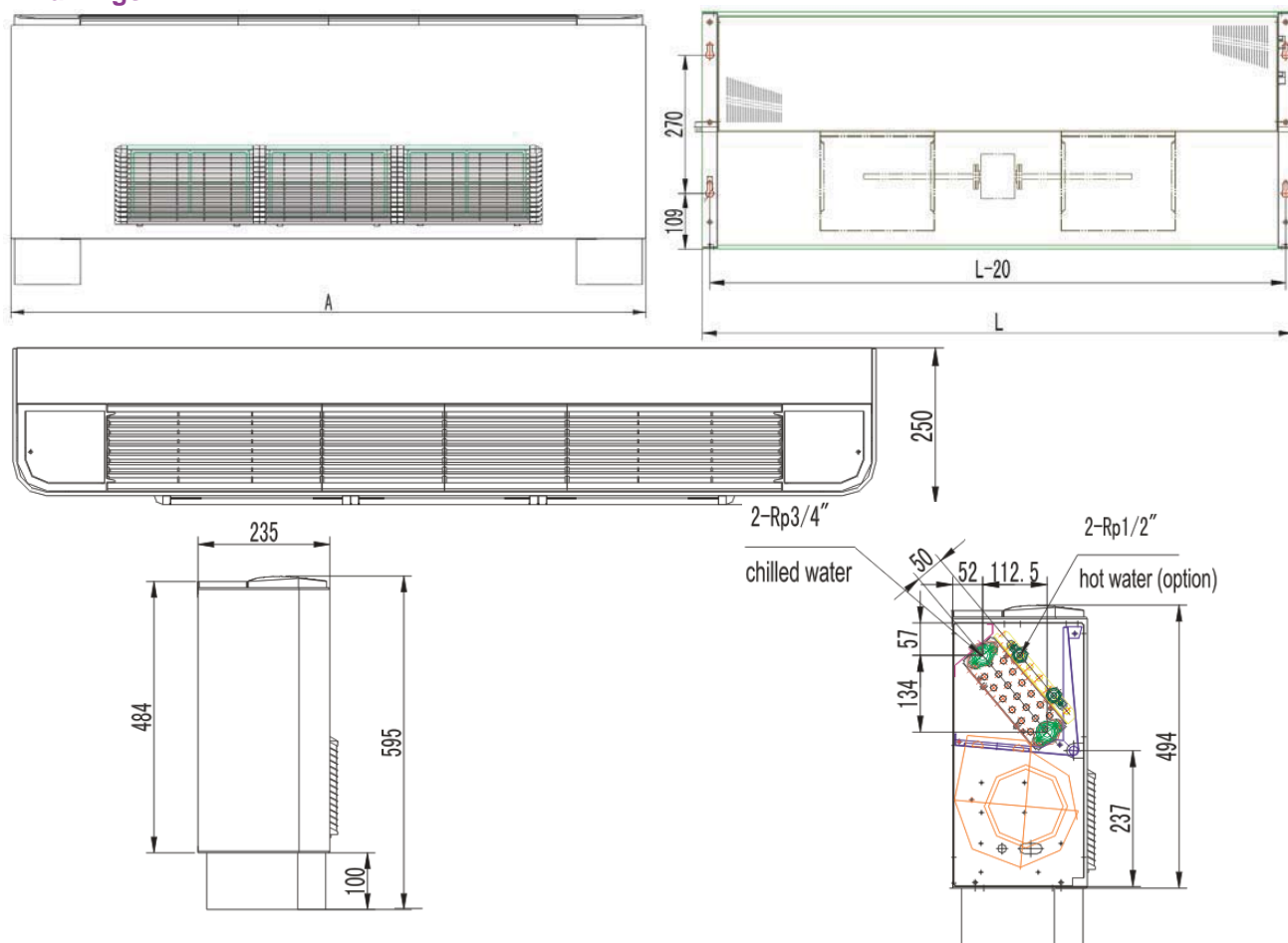
| Model | | 02 | 03 | 04 | 05 | 06 |
|-----------------|-------|--|-----|-----|-----|-----|
| Coil | Tube | 3/8"(9.52mm) diameter copper tube | | | | |
| | Fin | 12pcs/inch corrugated aluminum blue fin | | | | |
| | L(mm) | 445 | 520 | 635 | 735 | 835 |
| | H(mm) | 200 | 200 | 200 | 200 | 200 |
| Fan | | Centrifugal forward curved GI wheel DIDW fan | | | | |
| Power Input(W) | | 42 | 58 | 65 | 83 | 94 |
| Noise dB(A) | | 28 | 29 | 33 | 35 | 38 |
| Coil Connector | | 3/4"(female connection) | | | | |
| Drain Connector | | 3/4"(male connection) | | | | |
| Net Weight(kg) | | 18 | 19 | 21 | 23 | 24 |

| 08 | 10 | 12 | 14 |
|--|------|------|------|
| 3/8"(9.52mm) diameter copper tube | | | |
| 12pcs/inch corrugated aluminum blue fin | | | |
| 1065 | 1285 | 1495 | 1600 |
| 200 | 200 | 200 | 200 |
| Centrifugal forward curved GI wheel DIDW fan | | | |
| 114 | 138 | 184 | 221 |
| 39 | 41 | 42 | 45 |
| 3/4"(female connection) | | | |
| 3/4"(male connection) | | | |
| 34 | 37 | 45 | 48 |



technical description

► Drawings



► Dimensions List

| Model | 02 | 03 | 04 | 05 | 06 | 08 | 10 | 12 | 14 |
|-------|-----|-----|------|------|------|------|------|------|------|
| L | 598 | 658 | 808 | 958 | 1008 | 1358 | 1508 | 1658 | 1808 |
| A | 858 | 908 | 1158 | 1208 | 1258 | 1608 | 1758 | 1908 | 2058 |

► Performance Data

Conditions Reference:

A. Entering air temperature: +27°C DB; 19.5°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 | 10 | 12 | 14 |
|---------|-----|-----|-----|-----|------|------|------|------|------|
| Nominal | 340 | 510 | 680 | 850 | 1020 | 1360 | 1700 | 2040 | 2380 |
| H | 411 | 510 | 680 | 879 | 998 | 1289 | 1722 | 2122 | 2392 |
| M | 313 | 434 | 512 | 685 | 721 | 891 | 1139 | 1720 | 1890 |
| L | 230 | 340 | 381 | 430 | 481 | 709 | 814 | 989 | 1151 |

technical description

-Cooling (kw)

| Model | 02 | 03 | 04 | 05 | 06 | 08 | 10 | 12 | 14 |
|-------|------|------|------|------|------|------|------|-------|-------|
| H | 1.98 | 2.55 | 3.51 | 4.56 | 5.34 | 7.21 | 9.64 | 11.93 | 13.37 |
| M | 1.64 | 2.28 | 2.89 | 3.84 | 4.25 | 5.54 | 7.16 | 10.28 | 11.31 |
| L | 1.33 | 1.93 | 2.34 | 2.75 | 3.16 | 4.68 | 5.58 | 6.82 | 7.84 |
| H | 1.52 | 1.92 | 2.58 | 3.31 | 3.83 | 5.06 | 6.72 | 8.26 | 9.24 |
| M | 1.24 | 1.69 | 2.08 | 2.75 | 2.99 | 3.83 | 4.91 | 7.06 | 7.75 |
| L | 0.97 | 1.41 | 1.66 | 1.92 | 2.18 | 3.20 | 3.77 | 4.59 | 5.27 |

-Heating (kw)

| Model | 02 | 03 | 04 | 05 | 06 | 08 | 10 | 12 | 14 |
|-------|------|------|------|------|------|------|-------|-------|-------|
| H | 2.46 | 3.10 | 4.16 | 5.28 | 6.06 | 7.95 | 10.47 | 12.79 | 14.26 |
| M | 2.04 | 2.77 | 3.39 | 4.41 | 4.79 | 6.09 | 7.76 | 11.02 | 12.06 |
| L | 1.61 | 2.31 | 2.71 | 3.12 | 3.54 | 5.12 | 6.04 | 7.31 | 8.35 |

-Water Flow (l/s)

| Model | 02 | 03 | 04 | 05 | 06 | 08 | 10 | 12 | 14 |
|-------|------|------|------|------|------|------|------|------|------|
| H | 0.09 | 0.12 | 0.17 | 0.22 | 0.25 | 0.34 | 0.46 | 0.57 | 0.64 |
| M | 0.08 | 0.11 | 0.14 | 0.18 | 0.20 | 0.26 | 0.34 | 0.49 | 0.54 |
| L | 0.06 | 0.09 | 0.11 | 0.13 | 0.15 | 0.22 | 0.27 | 0.33 | 0.37 |

-Water Pressure Drop (kpa)

| Model | 02 | 03 | 04 | 05 | 06 | 08 | 10 | 12 | 14 |
|-------|------|------|------|-------|-------|-------|-------|-------|--------|
| H | 2.58 | 4.21 | 7.86 | 12.80 | 17.92 | 33.86 | 59.86 | 92.21 | 114.52 |
| M | 2.03 | 3.64 | 6.07 | 10.21 | 13.24 | 23.95 | 40.51 | 75.79 | 91.25 |
| L | 1.53 | 2.93 | 4.61 | 6.59 | 8.99 | 19.18 | 29.20 | 44.24 | 56.80 |

> Accessories

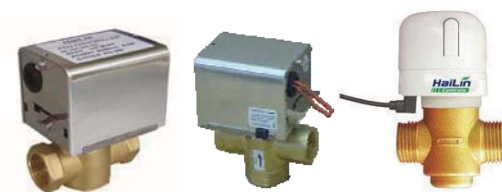
-Thermostat

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.



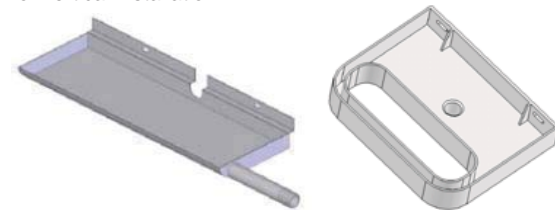
- Electrical Heater

Electrical heater can be as optional requirement for projects need high heat capacity. All heaters are with thermal protection under safety approval. Heat capacity ranges from 1.0kw to 6kw. Wiring of the electrical heater is in the same terminal box of fan coils.



-Auxiliary Drain Tray

Q235 G.I. material with power coating. This accessory is mainly used for condensate water from valve kit. The right picture auxiliary drain tray is used for horizontal installation. The left picture is used for vertical installation.



-ABS Plastic Feet

ABS plastic feet can be added for easy floor standing installation. It is not necessary for ceiling suspended installation.



TAKM®

Ceiling Cassette Fan coil unit



AC/DC Motor Software

► advantages

- 4 versions available; 1-way, 2-way, 4-way and 6-way.
- U-shape coil: efficient exchange area.
- Optional: network control with DIP switch.
- AC/ DC motor is available.

► range

- 4 ABS plastic front panel sizes :
 - 680x680mm; 830x830mm;
 - 980x980mm; 1140x1140mm.
- 4 versions :
 - 4-way 2 tubes + 2 rows (standard); 4-way 4 tubes + 2 rows.
 - 6-way 2 tubes + 2 rows ; 4-way 4 tubes + 2 rows.
 - 2-way 2 tubes + 2 rows ; 4-way 4 tubes + 2 rows.
 - 1-way 2 tubes + 3 rows ; 4-way 4 tubes + 3+1 rows.

► application

- TAKM 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 TAKM ceiling cassette fan-coil unit is to have a low profile of 290mm. The airflow is from 340 to 2890 m³/h; cooling capacity from 3.5kw to 15kw. 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

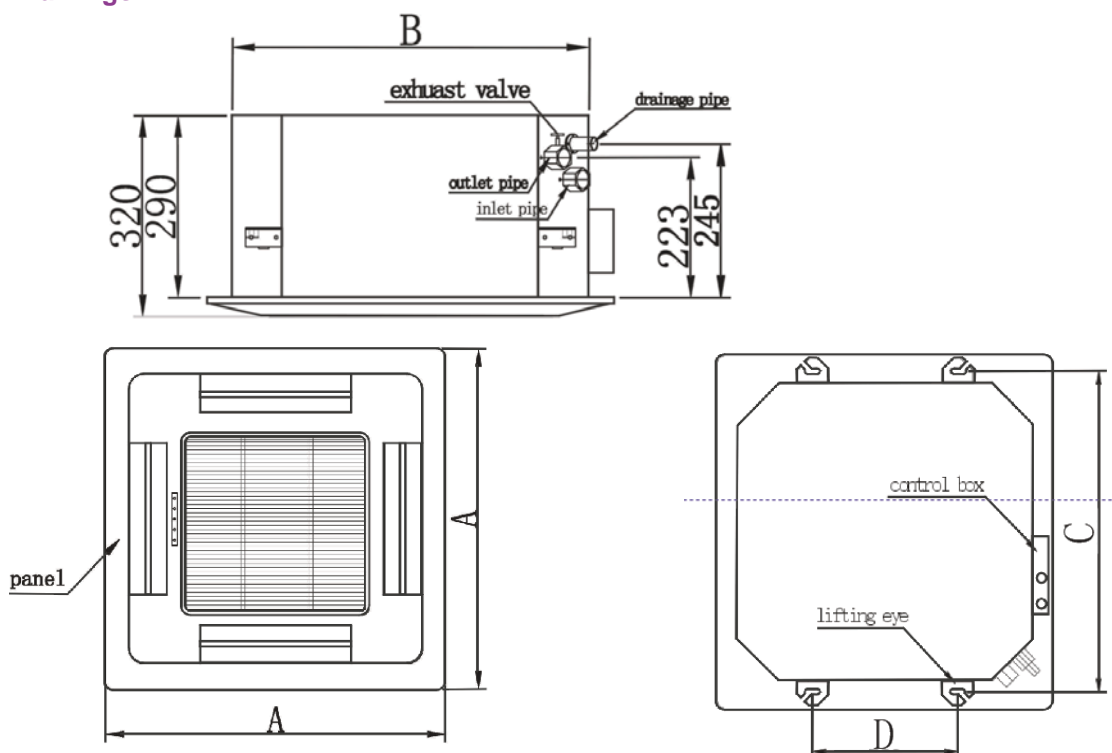
| Model | | 03 | 04 | 05 | 06 | 08 |
|-----------------|-------|---|------|------|------|------|
| Coil | Tube | 3/8"(9.52mm) diameter copper tube | | | | |
| | Fin | 12pcs/inch corrugated aluminum blue fin | | | | |
| | L(mm) | 1480 | 1480 | 1790 | 1790 | 1790 |
| | H(mm) | 200 | 200 | 225 | 225 | 225 |
| Fan | | Centrifugal backward ABS wheel DIDW fan | | | | |
| Power Input(W) | | 46 | 47 | 73 | 97 | 132 |
| Noise dB(A) | | 27 | 29 | 34 | 35 | 37 |
| Coil Connector | | 3/4"(female connection) | | | | |
| Drain Connector | | 3/4"(male connection) | | | | |
| Net Weight(kg) | | 25 | 26 | 28 | 29 | 30 |

| 10 | 12 | 14 | 17 |
|---|------|------|------|
| 3/8"(9.52mm) diameter copper tube | | | |
| 12pcs/inch corrugated aluminum blue fin | | | |
| 2200 | 2200 | 2200 | 2520 |
| 250 | 250 | 250 | 250 |
| Centrifugal backward ABS wheel DIDW fan | | | |
| 186 | 205 | 245 | 285 |
| 38 | 39 | 46 | 47 |
| 3/4"(female connection) | | | |
| 3/4"(male connection) | | | |
| 36 | 37 | 38 | 59 |



technical description

> Drawings



> Dimensions List

| ITEM mm | A | B | C | D |
|------------|------|-----|-----|-----|
| TAKM03 | 680 | 580 | 614 | 424 |
| TAKM04 | 680 | 580 | 614 | 424 |
| TAKM05 | 830 | 705 | 737 | 338 |
| TAKM06 | 830 | 705 | 737 | 338 |
| TAKM08 | 830 | 705 | 737 | 338 |
| TAKM10 | 980 | 832 | 864 | 416 |
| TAKM12 | 980 | 832 | 864 | 416 |
| TAKM14 | 980 | 832 | 864 | 416 |
| TAKM17 | 1140 | 960 | 992 | 488 |

> Performance Data

Conditions Reference:

A. Entering air temperature: +27°C DB; 19.5°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 | 03 | 04 | 05 | 06 | 08 | 10 | 12 | 14 | 17 |
|---------|-----|-----|-----|------|------|------|------|------|------|
| Nominal | 510 | 680 | 850 | 1020 | 1360 | 1700 | 2040 | 2380 | 2890 |
| H | 544 | 622 | 865 | 1134 | 1392 | 1719 | 1981 | 2382 | 2892 |
| M | 483 | 517 | 721 | 971 | 1052 | 1566 | 1692 | 1851 | 2101 |
| L | 308 | 320 | 621 | 743 | 748 | 1346 | 1421 | 1601 | 1692 |

technical description

-Cooling (kw)

| Model | 03 | 04 | 05 | 06 | 08 | 10 | 12 | 14 | 17 |
|-------|------|------|------|------|------|-------|-------|-------|-------|
| H | 3.66 | 3.91 | 5.42 | 6.75 | 7.96 | 10.15 | 11.37 | 13.17 | 16.11 |
| M | 3.32 | 3.36 | 4.67 | 5.95 | 6.35 | 9.41 | 10.02 | 10.77 | 12.47 |
| L | 2.27 | 2.26 | 4.13 | 4.79 | 4.81 | 8.33 | 8.70 | 9.59 | 10.46 |
| H | 2.44 | 2.66 | 3.69 | 4.63 | 5.50 | 6.96 | 7.83 | 9.11 | 11.08 |
| M | 2.21 | 2.28 | 3.16 | 4.07 | 4.35 | 6.43 | 6.86 | 7.40 | 8.50 |
| L | 1.49 | 1.51 | 2.79 | 3.25 | 3.26 | 5.67 | 5.93 | 6.56 | 7.09 |

-Heating (kw)

| Model | 03 | 04 | 05 | 06 | 08 | 10 | 12 | 14 | 17 |
|-------|------|------|------|------|------|-------|-------|-------|-------|
| H | 4.30 | 4.73 | 6.54 | 8.07 | 9.46 | 12.00 | 13.38 | 15.36 | 18.51 |
| M | 3.92 | 4.07 | 5.64 | 7.15 | 7.61 | 11.18 | 11.87 | 12.70 | 14.57 |
| L | 2.63 | 2.77 | 5.01 | 5.79 | 5.82 | 9.95 | 10.38 | 11.38 | 12.32 |

-Water Flow (l/s)

| Model | 03 | 04 | 05 | 06 | 08 | 10 | 12 | 14 | 17 |
|-------|------|------|------|------|------|------|------|-------|------|
| H | 0.17 | 0.19 | 0.26 | 0.32 | 0.38 | 0.48 | 0.54 | 63.00 | 0.77 |
| M | 0.16 | 0.16 | 0.22 | 0.28 | 0.30 | 0.45 | 0.48 | 0.51 | 0.60 |
| L | 0.11 | 0.11 | 0.20 | 0.23 | 0.23 | 0.40 | 0.42 | 0.46 | 0.50 |

-Water Pressure Drop (kpa)

| Model | 03 | 04 | 05 | 06 | 08 | 10 | 12 | 14 | 17 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| H | 33.89 | 14.03 | 15.16 | 20.58 | 25.94 | 29.17 | 34.22 | 42.02 | 63.85 |
| M | 29.57 | 11.35 | 12.29 | 17.27 | 18.91 | 26.23 | 28.62 | 31.69 | 44.59 |
| L | 17.33 | 6.50 | 10.34 | 12.71 | 12.82 | 22.10 | 23.50 | 26.92 | 34.84 |

> 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

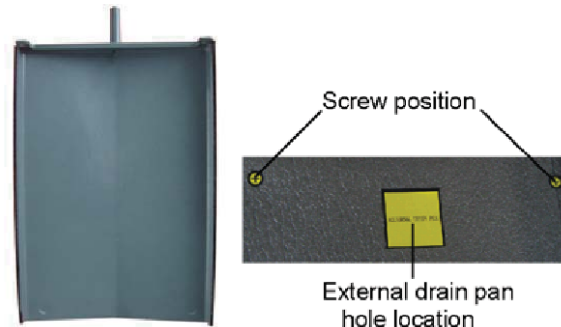
Easy drain pump maintenance design. Customers only need to draw out the panel to check pump conditions.



Pump maintenance

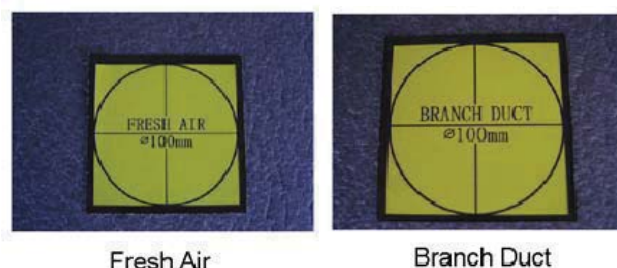
-Auxiliary Drain Tray

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

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

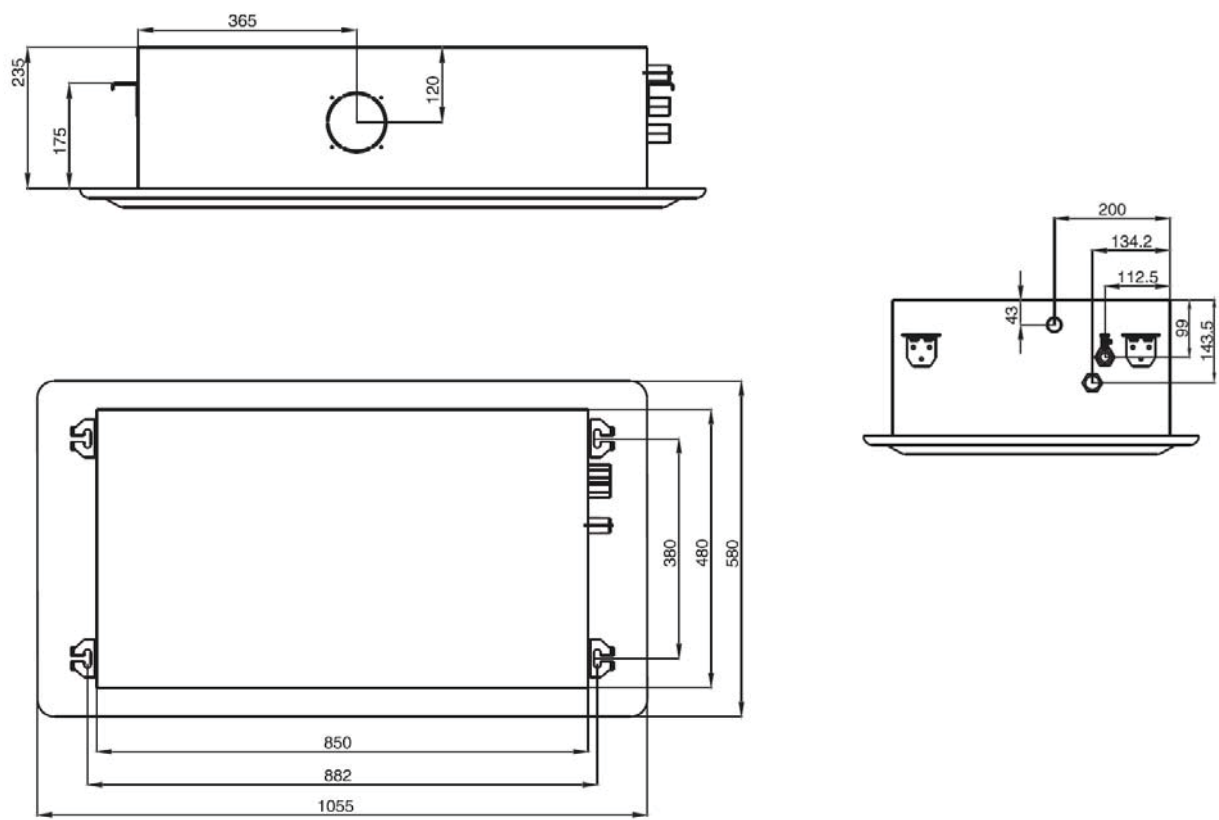
> General features

| 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 | 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 | 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

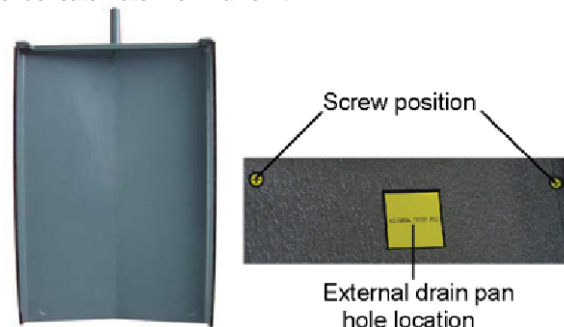
Easy drain pump maintenance design. Customers only need to draw out the panel to check pump conditions.



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

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

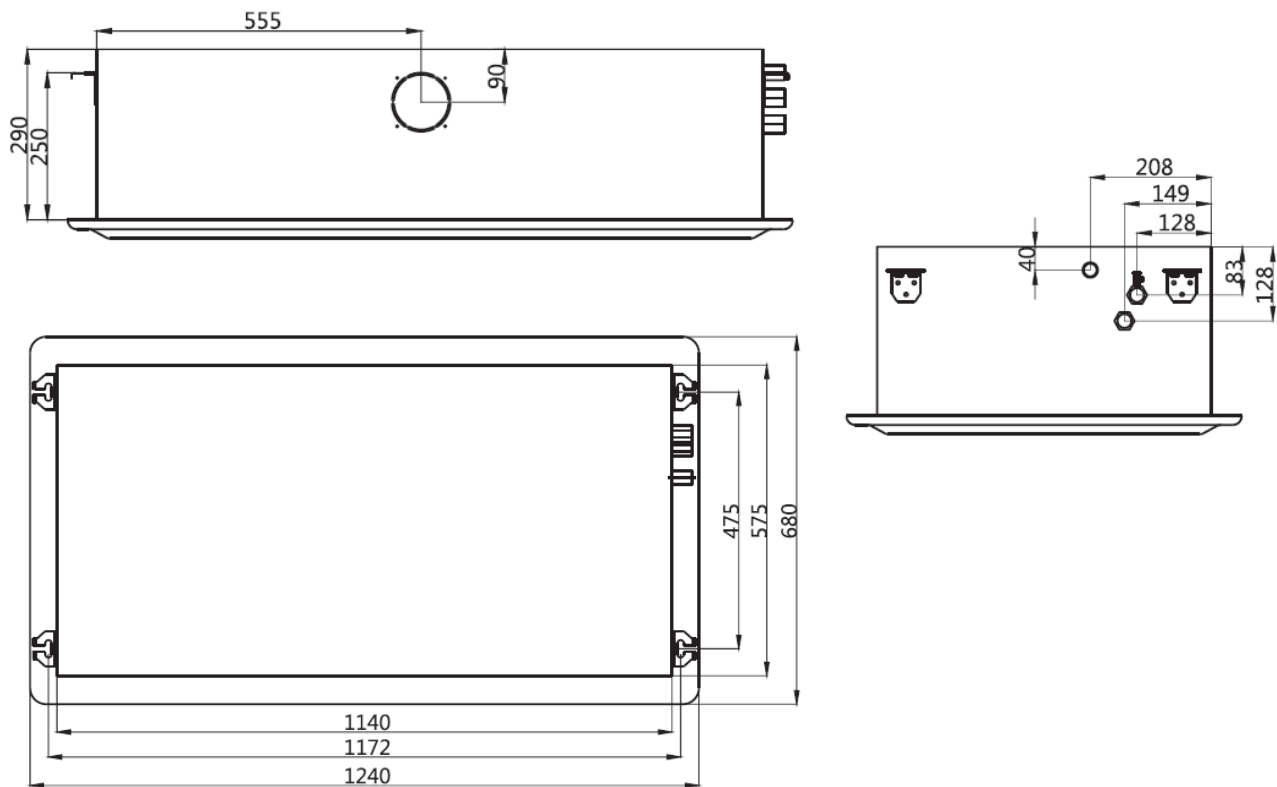
> General features

| 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

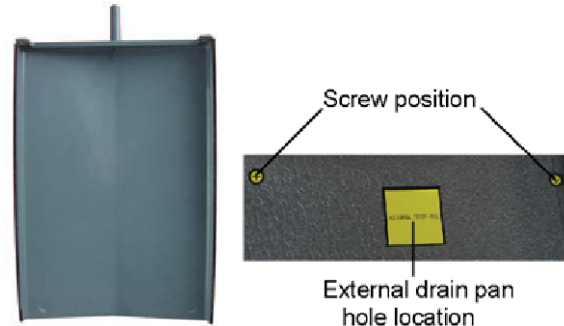
Easy drain pump maintenance design. Customers only need to draw out the panel to check pump conditions.



Pump maintenance

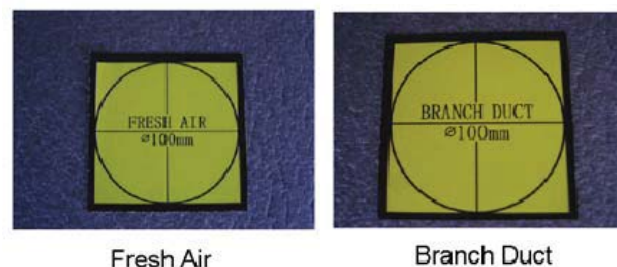
-Auxiliary Drain Tray

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

TAKR®

Round Ceiling Cassette Fan coil unit



AC/DC Motor
Software

> advantages

- 2 versions available; 2-pipe, 4-pipe
- U-shape coil: efficient exchange area.
- Optional: network control with DIP switch.
- AC/ DC motor is available.

> range

- ABS plastic front panel size : 1100 mm
- - Unit Height with 255mm and 290mm two types.

2 versions :

- - 360° Round 2 pipes + 2 rows (standard);
- - 360° Round 4 pipes + 2 rows

> application

- TAKR 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 TAKR 360° round ceiling cassette fan-coil unit is to have a low profile of 255 and 290 mm. The airflow is from 850 to 2380 m3/h; cooling capacity from 4.5kw to 12.6kw. 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

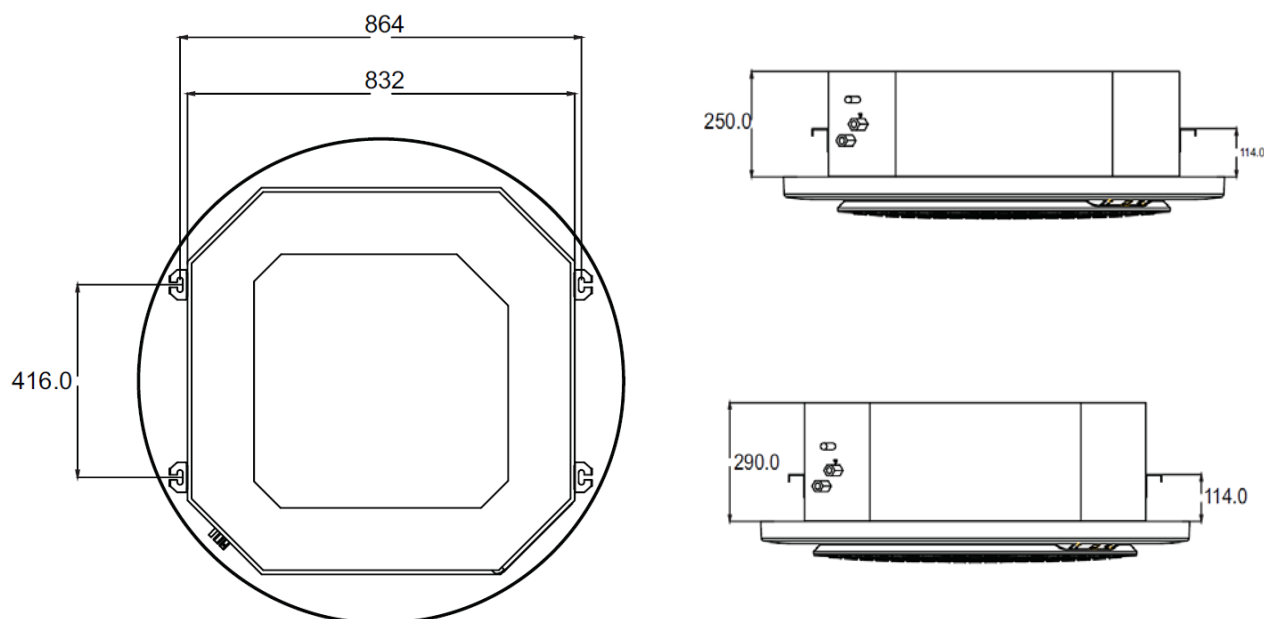
| Model | | 05 | 06 | 08 | 10 | 12 |
|-----------------|-------|---|------|------|------|------|
| Coil | Tube | 3/8"(9.52mm) diameter copper tube | | | | |
| | Fin | 12pcs/inch corrugated aluminum blue fin | | | | |
| | L(mm) | 1480 | 1480 | 1480 | 1480 | 1480 |
| | H(mm) | 200 | 200 | 200 | 250 | 250 |
| Fan | | Centrifugal backward ABS wheel DIDW fan | | | | |
| Power Input(W) | | 76 | 96 | 132 | 152 | 189 |
| Noise dB(A) | | 43 | 45 | 46 | 47 | 50 |
| Coil Connector | | 3/4"(female connection) | | | | |
| Drain Connector | | 3/4"(male connection) | | | | |
| Net Weight(kg) | | 25 | 26 | 28 | 29 | 30 |

| |
|---|
| 14 |
| 3/8"(9.52mm) diameter copper tube |
| 12pcs/inch corrugated aluminum blue fin |
| 1480 |
| 250 |
| Centrifugal backward ABS wheel DIDW fan |
| 220 |
| 52 |
| 3/4"(female connection) |
| 3/4"(male connection) |



technical description

> Drawings



> Dimensions List

| ITEM mm | Panel Diameter mm | Unit Height mm | Hanger Length mm | Hanger Width mm |
|------------|-------------------|----------------|------------------|-----------------|
| TAKR05 | 1100 | 250 | 864 | 416 |
| TAKR06 | 1100 | 250 | 864 | 416 |
| TAKR08 | 1100 | 250 | 864 | 416 |
| TAKR10 | 1100 | 290 | 864 | 416 |
| TAKR12 | 1100 | 290 | 864 | 416 |
| TAKR14 | 1100 | 290 | 864 | 416 |

> Performance Data

Conditions Reference:

A. Entering air temperature: +27°C DB; 19.5°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 info@taitech-ac.com for more careful data.

-Air Flow (m³/h)

| Model | 05 | 06 | 08 | 10 | 12 | 14 |
|---------|-----|------|------|------|------|------|
| Nominal | 850 | 1020 | 1360 | 1700 | 2040 | 2380 |
| H | 865 | 1134 | 1392 | 1719 | 2040 | 2382 |
| M | 640 | 790 | 1030 | 1290 | 1500 | 1850 |
| L | 430 | 520 | 690 | 860 | 1030 | 1200 |

technical description

-Cooling (kw)

| Model | 05 | 06 | 08 | 10 | 12 | 14 |
|-------|------|------|------|------|-------|-------|
| H | 4.52 | 5.63 | 7.00 | 9.12 | 10.82 | 12.58 |
| M | 3.53 | 4.39 | 5.46 | 7.11 | 8.44 | 9.81 |
| L | 2.82 | 3.51 | 4.37 | 5.69 | 6.75 | 7.85 |
| H | 3.62 | 4.50 | 5.60 | 7.30 | 8.66 | 10.06 |
| M | 2.82 | 3.51 | 4.37 | 5.69 | 6.75 | 7.85 |
| L | 2.26 | 2.81 | 3.49 | 4.55 | 5.40 | 6.28 |

-Heating (kw)

| Model | 05 | 06 | 08 | 10 | 12 | 14 |
|-------|------|------|-------|-------|-------|-------|
| H | 7.02 | 8.38 | 11.23 | 13.86 | 16.68 | 19.52 |
| M | 5.27 | 6.29 | 8.42 | 10.40 | 12.51 | 14.64 |
| L | 3.95 | 4.71 | 6.32 | 7.80 | 9.38 | 10.98 |

-Water Flow (l/s)

| Model | 05 | 06 | 08 | 10 | 12 | 14 |
|-------|------|------|------|------|------|------|
| H | 0.26 | 0.32 | 0.38 | 0.48 | 0.54 | 0.63 |
| M | 0.22 | 0.28 | 0.30 | 0.45 | 0.48 | 0.51 |
| L | 0.20 | 0.23 | 0.23 | 0.40 | 0.42 | 0.46 |

-Water Pressure Drop (kpa)

| Model | 05 | 06 | 08 | 10 | 12 | 14 |
|-------|-------|-------|-------|-------|-------|-------|
| H | 15.16 | 20.58 | 25.94 | 29.17 | 34.22 | 42.02 |
| M | 12.29 | 17.27 | 18.91 | 26.23 | 28.62 | 31.69 |
| L | 10.34 | 12.71 | 12.82 | 22.10 | 23.50 | 26.92 |

> Accessories

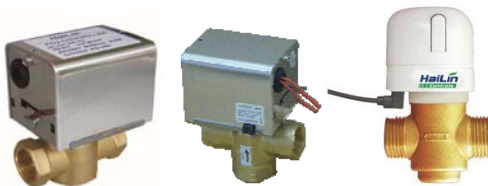
-Thermostat

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

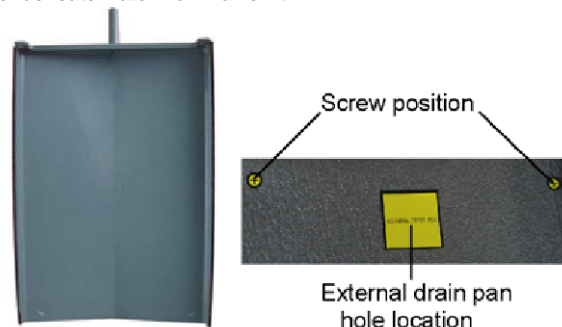
Easy drain pump maintenance design. Customers only need to draw out the panel to check pump conditions.



Pump maintenance

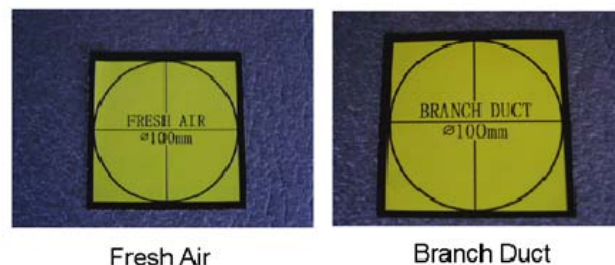
-Auxiliary Drain Tray

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



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

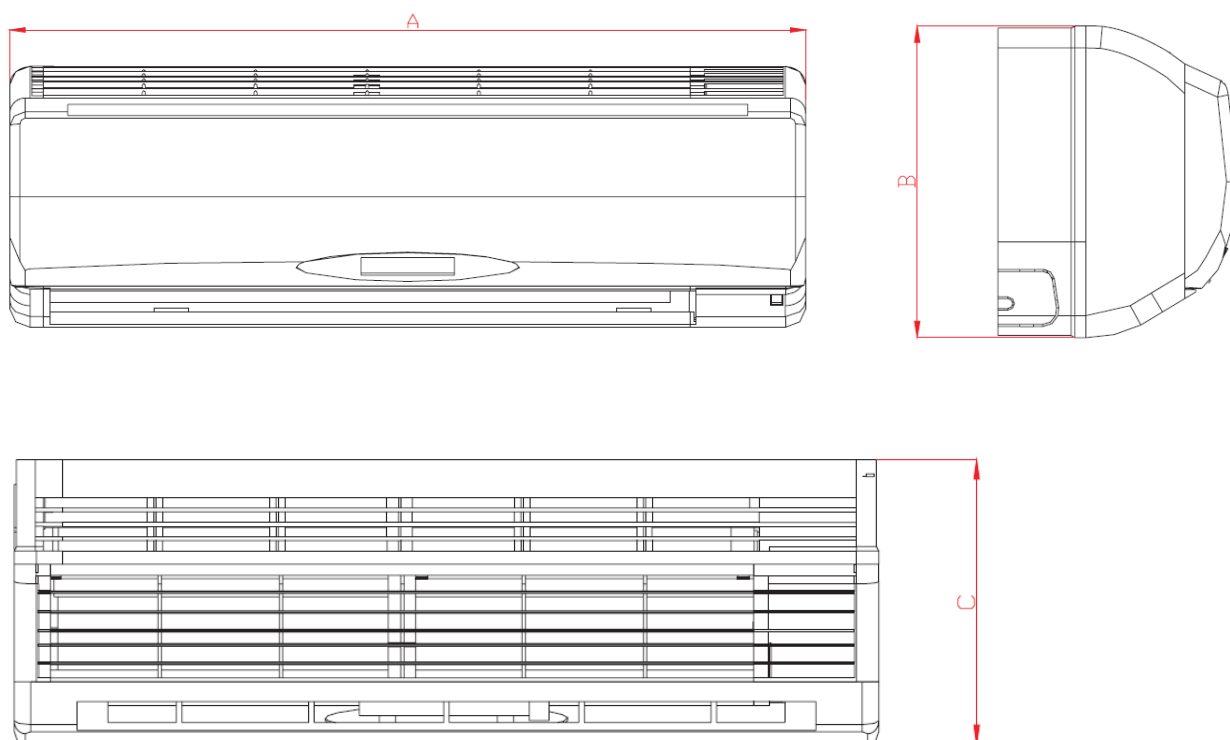
| Model | | 02 | 03 | 04 |
|-----------------|------|---|----|----|
| Coil | Tube | 7mm diameter copper tube | | |
| | Fin | 14pcs/inch corrugated aluminum blue fin | | |
| Voltage | | 220-240V/1Ph/50-60Hz, 110-127V/1Ph/50Hz | | |
| Motor | | 3-speed AC; DC motor | | |
| Fan | | Cross flow ABS plastic 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

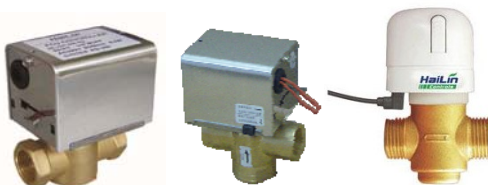
-Remote Controller

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

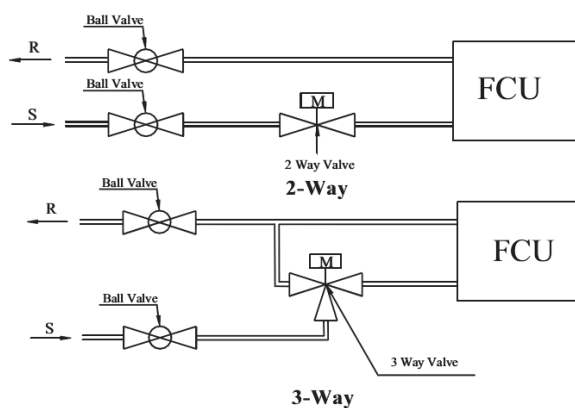


-Control Valve

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 |

