



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

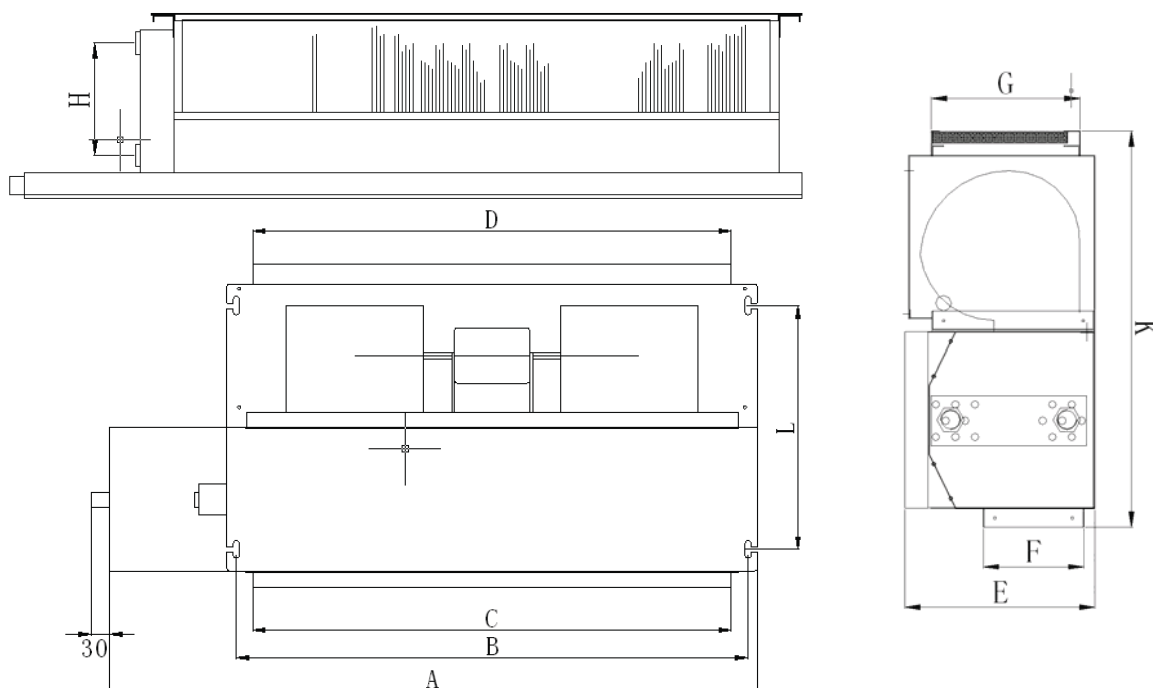
Model		02	03	04	05	06
Coil	Tube	3/8"(9.52mm) diameter copper tube				
	Fin	12pcs/inch corrugated aluminum blue fin				
	L(mm)	490	590	690	790	920
	H(mm)	200	200	200	200	200
Fan		GI wheel direct driven double inlet centrifugal fan				
Power Input(W)		64	88	118	132	151
Noise dB(A)		27	29	34	35	37
Coil 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.

