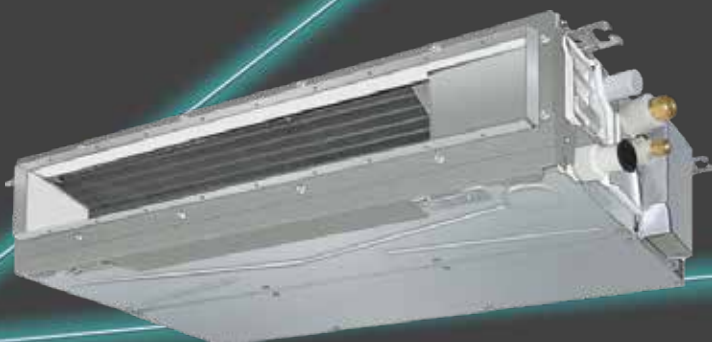


Slim duct type

MMD-UP***1SPHY-E



Whatever installed in a ceiling void or suspended ceiling, Toshiba slim duct offers the best compromise between sound level, air flow and chassis dimensions.

Flexibility

- Compact chassis with 210mm height and 450mm depth whatever the capacity, for integration in most projects.
- Static pressure up to 50Pa set directly on the duct or by using a wired remote controller.

Comfort

- Quiet operation with a noise level down to 26 dB(A) perfect for bedrooms.
- 5-speed fan operation for perfect air flow adaptation.

Easy installation

- Built-in drain pump.
- Air suction from rear or bottom.

Remote controller



TCB-AX32E2
RBC-AXU31-E



RBC-ASC11-E
RBC-ASC11U-E



RBC-AMS55E-EN/ES
RBC-AMSU51-EN/ES

Technical specifications

Performances								
Indoor unit	MMD-	UP0071SPHY-E	UP0091SPHY-E	UP0121SPHY-E	UP0151SPHY-E	UP0181SPHY-E	UP0241SPHY-E	UP0271SPHY-E
Cooling capacity	kW	2.2	2.8	3.6	4.5	5.6	7.1	8.0
Heating capacity	kW	2.5	3.2	4.0	5.0	6.3	8.0	9.0
Power consumption	kW	0.026 / 0.026	0.029 / 0.029	0.031 / 0.031	0.035 / 0.035	0.044 / 0.044	0.067 / 0.067	0.072 / 0.072
Running current	A	0.40 / 0.42	0.42 / 0.44	0.44 / 0.46	0.47 / 0.49	0.53 / 0.56	0.69 / 0.73	0.74 / 0.78
Starting current	A	0.69 / 0.73	0.73 / 0.77	0.77 / 0.81	0.82 / 0.86	0.92 / 0.97	1.21 / 1.27	1.30 / 1.36

Physical Data								
Indoor unit	MMD-	UP0071SPHY-E	UP0091SPHY-E	UP0121SPHY-E	UP0151SPHY-E	UP0181SPHY-E	UP0241SPHY-E	UP0271SPHY-E
Air Flow (h/m+/m/L+/l)	m ³ /h	540/500/460/430/400	570/530/500/450/420	600/550/520/470/440	690/660/640/590/550	780/760/730/690/650	1080/1010/950/900/860	1140/1060/980/940/910
Air Flow (h/m+/m/L+/l)	l/s	150/139/128/119/111	158/147/139/125/117	167/153/144/131/122	192/183/178/164/153	217/211/203/192/181	300/281/264/250/239	317/294/272/261/253
Sound pressure level*, rear suction (h/m+/m/L+/l)	dB(A)	31/30/29/28/26	32/31/29/28/26	33/32/30/29/27	3/31/30/29/28	34/33/32/31/29	36/35/33/32/30	37/36/34/33/32
Sound pressure level*, bottom suction (h/m+/m/L+/l)	dB(A)	41/40/39/38/35	42/41/40/38/36	44/42/40/39/37	42/40/39/38/37	44/43/42/41/39	47/46/44/43/41	48/47/45/44/43
Sound power level* (h/m+/m/L+/l)		52/51/49/47/45	54/52/50/48/46	54/51/50/48/46	52/51/50/49/46	56/55/54/52/51	60/58/56/55/53	61/59/58/56/55
Dimensions (HxWxD)	mm	210x700x450			210x900x450		210x1110x450	
Weight	kg	16			18		21	
External static pressure	Pa	10	10	10	10	10	10	10
Max external static pressure	Pa	50	50	50	50	50	50	50
Connecting pipe, gas	mm/inch	3/8"	9.52 (3/8")	9.52 (3/8")	12.7 (1/2")	12.7 (1/2")	15.9 (5/8")	15.9 (5/8")
Connecting pipe, liquid	mm/inch	1/4"	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	9.52 (3/8")	9.52 (3/8")
Drain port diameter	mm	25	25	25	25	25	25	25
Power supply		1-phase 50Hz 230V (220~240V) / 1-phase 60Hz 220V (Separate power supply for indoor units required.)						

* Factory setting (10Pa)

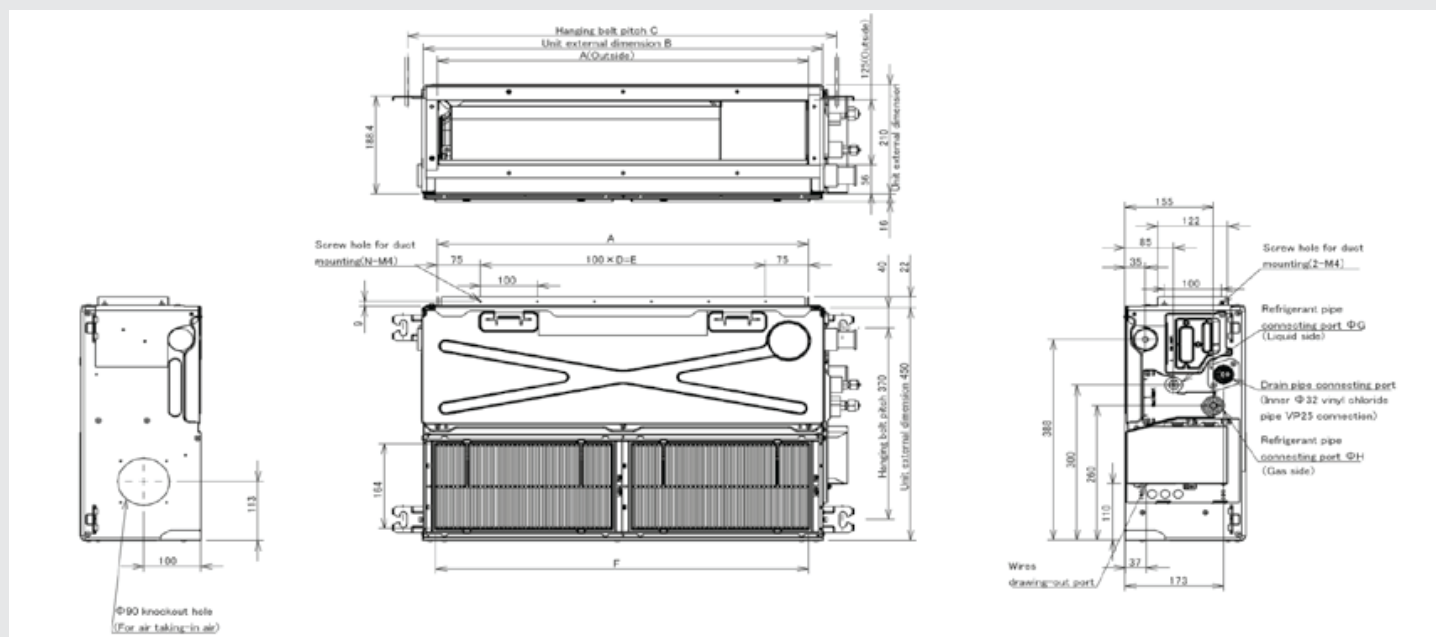
Note 1 : The capacities are measured under the conditions specified by JIS B 8615 based on the reference piping.

Note 2 : The sound level are measured in an anechoic chamber in accordance with JIS B 8616.

Normally, the values measured in the actual operating environment become larger than the indicated values due to the effects of external sound.

Note : Rated conditions Cooling : Indoor air temperature 27°C DB/19°C WB, Outdoor air temperature 35°C DB
Heating : Indoor air temperature 20°C DB, Outdoor air temperature 7°C DB/6°C WB

MMD-UP0071SPHY-E to UP0271SPHY-E



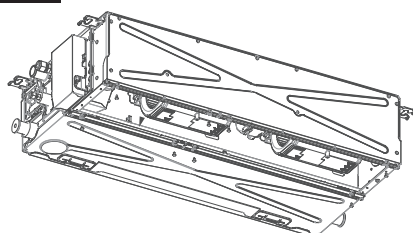
MMD-UP***1SPHY-E	007~012	015~018	024~027
A	650	850	1050
B	700	900	1100
C	770	970	1170
D	5	7	9
E	500	700	900
F	655	855	1055
G	6.4		9.5
H	9.5	12.7	15.9

(Unit: mm)

Accessories

No	Part name	Model name	Applied model	Remarks
1	Auxiliary fresh air flange	TCB-FF101URE2	MMD-UP__1SPHY-E	For fresh air intake by using the knockout hole of indoor unit (dia.=100 mm)

Under air intake



Back air intake

