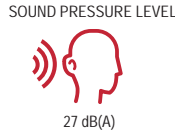


MMU-UP_1HP-T 4-WAY CASSETTE



The 4-Way Cassette is designed to provide uniform air distribution and total user comfort. It is ideal for small commercial applications.



LOCAL CONTROLS

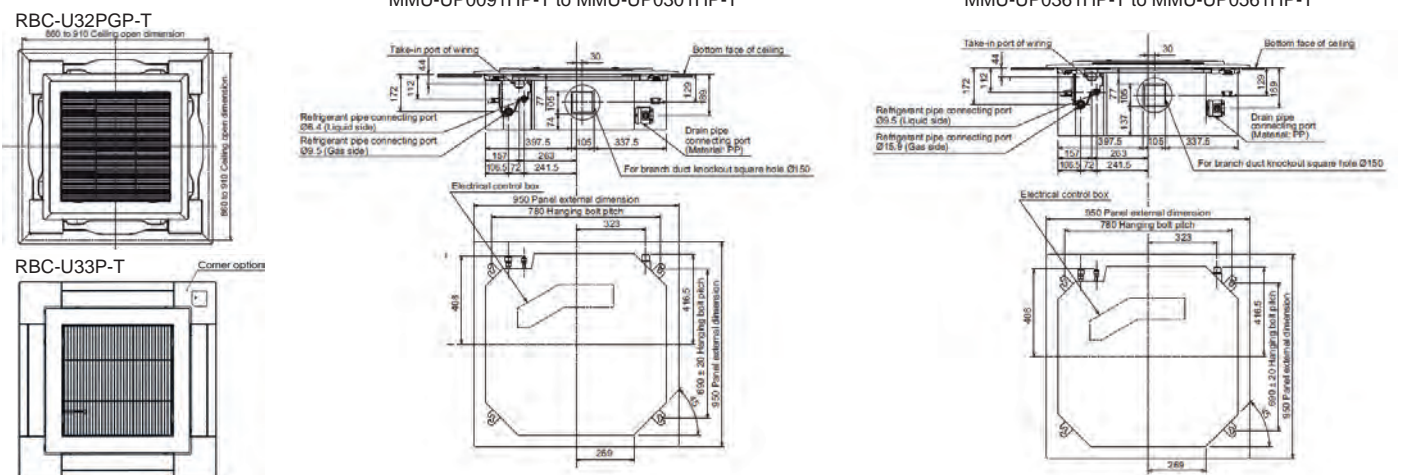


Features

Model name	MMU-	UP0091HP-T	UP0121HP-T	UP0151HP-T	UP0181HP-T	UP0241HP-T	UP0271HP-T	UP0301HP-T	UP0361HP-T	UP0481HP-T	UP0561HP-T		
Cooling capacity	kW	2.8	3.6	4.5	5.6	7.1	8.0	9.0	11.2	14.0	16.0		
	BTU (*1.1)	9,600	12,300	15,400	19,100	24,200	27,300	30,700	38,200	47,800	54,600		
	BTU (*1.2)	9,700	12,400	15,600	19,300	24,500	27,600	31,000	38,600	48,400	55,300		
Electrical characteristics	Power supply	1-phase 230V (220-240V) 50Hz / 1-phase 220V (208-230V) 60Hz											
	Running current (50Hz/60Hz)	A	0.23/0.24	0.28/0.29	0.29/0.30	0.38/0.40	0.38/0.39	0.43/0.45	0.73/0.76	0.88/0.92			
	Power consumption (50Hz/60Hz)	kW	0.021/0.021	0.023/0.023	0.026/0.026	0.036/0.036	0.043/0.043	0.088/0.088	0.112/0.112				
	Starting current (50Hz/60Hz)	A	0.30/0.30	0.33/0.33	0.36/0.36	0.42/0.42	0.59/0.59	0.87/0.87	1.23/1.23	1.26/1.26			
Appearance	Main unit	Heat-insulating material attached - Zinc hot dipping steel plate											
	Ceiling panel name	Standard panel: RBC-U32PGP-T / Smart panel: RBC-U33P-T											
	Panel color	Standard panel: White (Munsell: 2.5GY9.0/0.5) / Smart panel: Gran White (Mansell 5PB9/1)											
Outer dimensions	Main unit (HxWxD)	mm 256x840x840								319x840x840			
	Ceiling panel (HxWxD)	mm 30x950x950											
Total weight	Main unit	kg 18				20				25			
	Ceiling panel	kg 4											
Soundproof / Heat-insulating material		Non-flammable insulation											
Fan unit	Fan	Turbo fan											
	Standard air flow (H/M/L)	m ³ /h	800/730/680	930/830/790	1050/920/800	1290/920/800	1320/1100/850	1970/1430/1070	2130/1430/1130	2130/1520/1230			
	Motor output	W	14				20				68	72	
Sound pressure level (H/M/L)	dB(A)	30/29/27	31/29/27	32/29/27	35/31/28	38/33/30	43/38/32	46/38/33	46/40/33				
Sound power level	dB(A)	45	46	47	50	53	58	61	61				
Air filter		Standard filter supplied (Long life filter)											
Connecting pipe	Gas side	mm	9.5	9.5	12.7	12.7	15.9	15.9	15.9	15.9	15.9		
	Liquid side	mm	6.4	6.4	6.4	6.4	9.5	9.5	9.5	9.5	9.5		
	Drain port (nominal dia)	mm	25 (Polyvinyl chloride tube)										

Notes : 1) The cooling capacities are measured under the conditions specified by JIS B 8615 based on the reference piping
The reference piping consists of 5 m of main piping and 2.5 m of branch piping connected with 0 m height
(*1.1) Indoor air temperature 27.0 c DB/ 19.0°C WB, outdoor air temperature 35.0°C DB
(*1.2) Indoor air temperature 27.0 c DB/ 19.5°C WB, outdoor air temperature 35.0°C DB

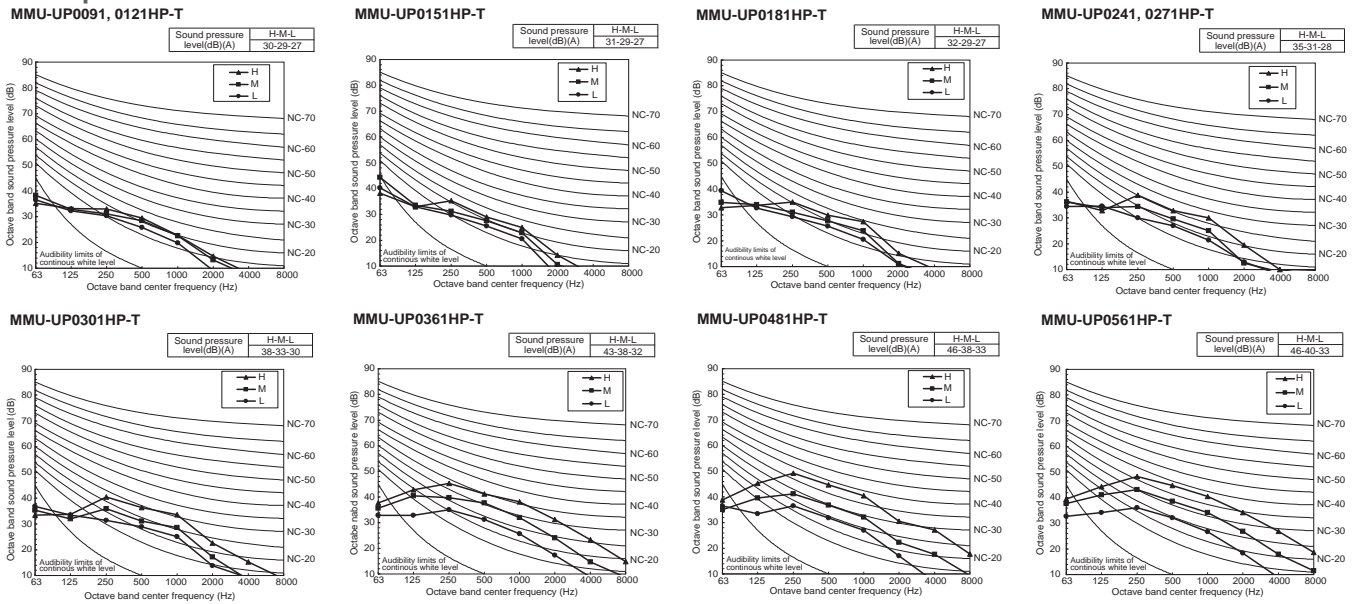
Drawings



4-WAY CASSETTE

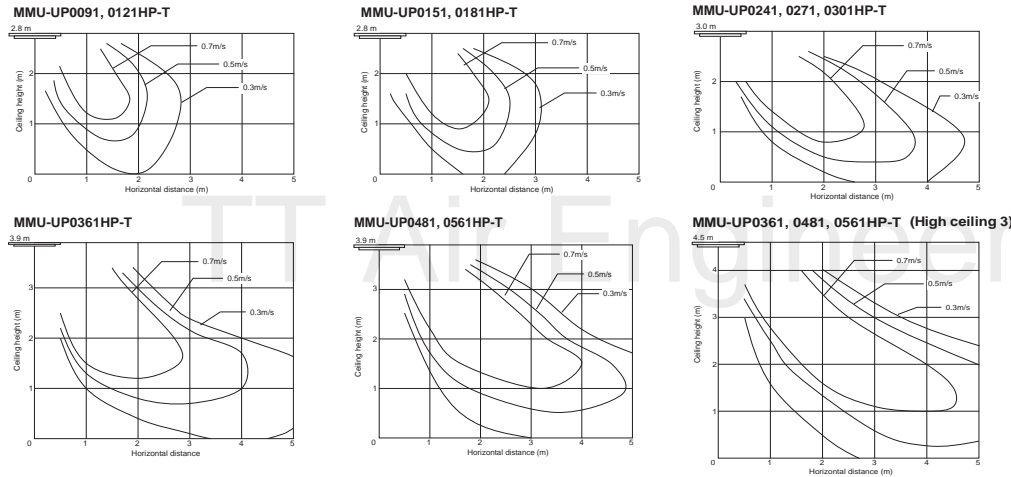
Sound pressure levels

Unit : dB(A)



Air diffusion

Unit : m/s



Accessories

No.	Part name	Model name	Applied model	Notes	Remarks
1	Ceiling panel (Wide-flow louver)	RBC-U32PGP-T	MMU-UP_1HP-T	Required accessory	
2	Ceiling panel (Smart design)	RBC-U33P-T		Required accessory	
3	Wireless remote controller	RBC-AXU31U-E		For Installing on panel	Use with RBC-U32PGP-E
4	Wireless remote controller	RBC-AXU31-E		For installing as stand alone	
5	Fresh air chamber	TCB-GFC1602UE			Use with TCB-GB1602UEE
6	Fresh air inlet box	TCB-GB1602UE		For fresh air intake by using the knockout hole of Fresh air and filter chamber. (dia.=100 mm)	Use with TCB-GFC1602UE
7	Auxiliary fresh air flange	TCB-FF101URE2		For easy fresh air intake by using the knockout hole of indoor unit. (dia.=100mm)	
8	Space for height adjustment	TCB-SP1602UE		Height 50 mm	
9	Air discharge direction kit	TCB-BC1602UE		Air direction change by cutting off air discharge port (3 pcs.)	
10	PM2.5 filter	TCB-PLFC1UPE-120		Before Pre-Filter type	
11	PM2.5 filter	TCB-PLFC2UPE-80		After Pre-Filter type	
12	Wireless remote controller	RBC-AXU33UP-E		*New product and coming soon	Use with RBC-U33P-E
13	Occupancy sensor	TCB-SIR33UP-E		*New product and coming soon	Use with RBC-U33P-E
14	Air purifier kit	TCB-EAPC1UCP-E		*New product and coming soon	Use with RBC-U33P-E

4-way cassette connectors

• : Available

CN32	CN60	CN61	CN70	CN73	CN80
Additional ventilation control from remote control	Operation status signal output (Cooling, fan, thermo-on)	External On/Off, operation output and alarm output	Warning symbol on remote control based on signal input.	Forced IDU thermo-off based on signal input	Forced IDU thermo-off and IDU lock based on signal input
•	TCB-PCUC2E PCB needed	•	•	•	•