

# MMU-UP\_1MH-E COMPACT 4-WAY CASSETTE



The Compact 4-Way Cassette is especially designed for office applications, where a compact and efficient solution is required.

CAPACITY



0.8 HP - 2 HP

SOUND PRESSURE LEVEL



29 dB(A)

### LOCAL CONTROLS



RBC-AXU31-E  
RBC-AXU31UM-E



RBC-ASCU11-E  
RBC-AMTU31-E  
RBC-AMSU51-EN/ES

## Features

Model name	MMU-	UP0071MH-E	UP0091MH-E	UP0121MH-E	UP0151MH-E	UP0181MH-E	
Cooling capacity	kW	2.2	2.8	3.6	4.5	5.6	
	BTU (*1.1)	7,500	9,600	12,300	15,400	19,100	
	BTU (*1.2)	7,600	9,700	12,400	15,600	19,300	
Electrical characteristics	Power supply	1-phase 230V (220-240V) 50Hz / 1-phase 220V (208-230V) 60Hz					
	Running current (50Hz/60Hz)	A	0.23/0.23	0.24/0.24	0.25/0.25	0.28/0.26	0.46/0.46
	Power consumption (50Hz/60Hz)	kW	0.023/0.023	0.025/0.025	0.027/0.027	0.030/0.030	0.052/0.052
	Starting current (50Hz/60Hz)	A	0.41/0.41	0.43/0.43	0.44/0.44	0.50/0.47	0.80/0.81
Appearance	Main unit	Zinc hot dipping steel plate (Heat-insulating material attached to only upper plate)					
	Ceiling panel name	RBC-UM21PG(W)-E					
	Panel color	Gran White (Mansell 5PB9/1)					
Outer dimensions	Main unit (HxWxD)	mm 256x575x575					
	Ceiling panel (HxWxD)	mm 12x620x620					
Total weight	Main unit	kg 15					
	Ceiling panel	kg 2.5					
Soundproof / Heat-insulating material		Non-flammable insulation					
Fan unit	Fan	Turbo fan					
	Standard air flow (H/M/L)	m³/h	552/462/378	570/468/378	594/504/402	660/552/468	840/642/522
	Motor output	W	60				
Sound pressure level (H/M/L)	dB(A)	37/33/29	38/33/29	38/34/30	40/35/31	47/39/34	
Sound power level	dB(A)	52	53	53	55	62	
Air filter		Standard filter supplied (Long life filter)					
Connecting pipe	Gas side	mm	9.5	9.5	9.5	12.7	12.7
	Liquid side	mm	6.4	6.4	6.4	6.4	6.4
	Drain port (nominal dia)	mm	VP20 (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

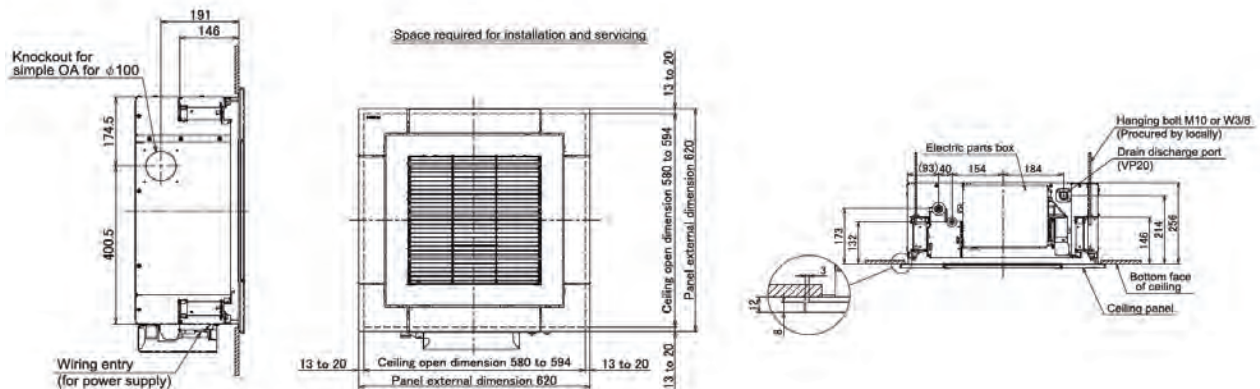
(\*1.1) Indoor air temperature 27.0 c DB/ 19.0°C WB, outdoor air temperature 35.0°C DB

(\*1.2) Indoor air temperature 27.0 c DB/ 19.5°C WB, outdoor air temperature 35.0°C DB

## Drawings

Unit : mm

All model

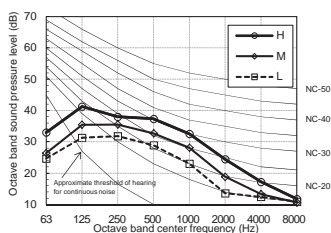


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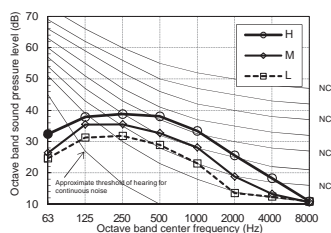
## Sound pressure levels

Unit : dB(A)

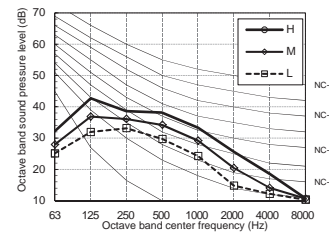
MMU-UP0071MH-E	H	M	L
Fan tap			
Sound pressure level (dB(A))	37	33	29



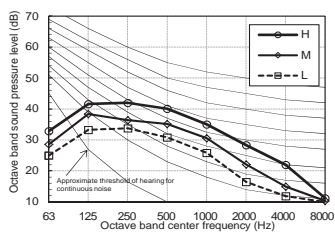
MMU-UP0091MH-E	H	M	L
Fan tap			
Sound pressure level (dB(A))	38	33	29



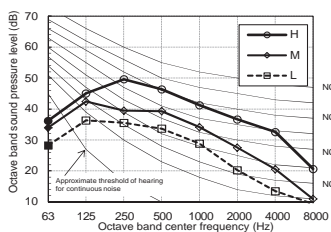
MMU-UP0121MH-E	H	M	L
Fan tap			
Sound pressure level (dB(A))	38	34	30



MMU-UP0151MH-E	H	M	L
Fan tap			
Sound pressure level (dB(A))	40	35	31



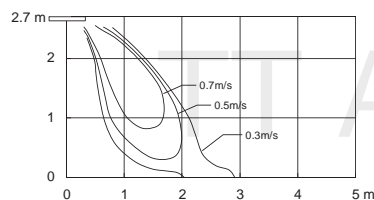
MMU-UP0181MH-E	H	M	L
Fan tap			
Sound pressure level (dB(A))	47	39	34



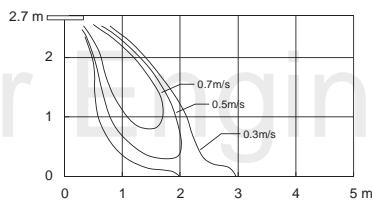
## Air diffusion

Unit : m/s

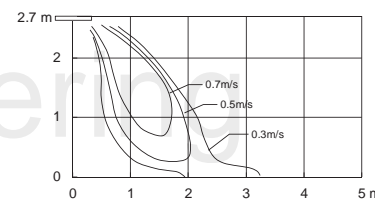
MMU-UP0071MH-E



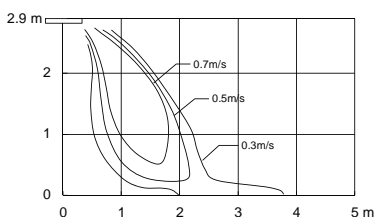
MMU-UP0091MH-E



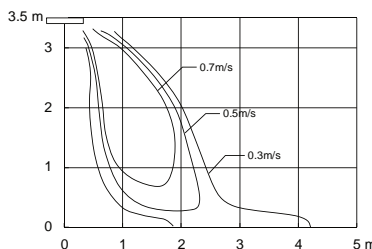
MMU-UP0121MH-E



MMU-UP0151MH-E

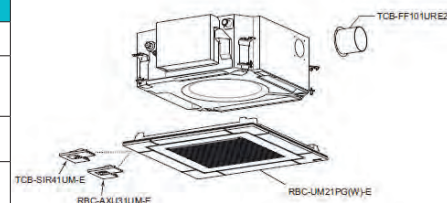


MMU-UP0181MH-E



## Accessories

No.	Part name	Model name	Applied model	Notes
1	Ceiling panel	RBC-UM21PG(W)-E	MMU-UP_1MH-E	Required accessory
2	Auxiliary fresh air flange	TCB-FF101URE2		For easy fresh air intake by using the knockout hole of indoor unit (dia=100 mm)
3	Wireless remote controller	RBC-AXU31UM-E		For installing on panel
4	Wireless remote controller	RBC-AXU31-E		For installing as stand alone
5	Occupancy sensor	TCB-SIR41UM-E		



## Compact 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	•	TCB-PCUC2E PCB needed	TCB-PCUC2E PCB needed	TCB-PCUC2E PCB needed