



2.12 Floor Standing Concealed Type

Floor Standing Concealed Type

MML-AP0071BH / MML-AP0091BH
MML-AP0121BH / MML-AP0151BH
MML-AP0181BH / MML-AP0241BH



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1. Specifications

Floor Standing Concealed Type

Model name	MML-	AP0071BH	AP0091BH	AP0121BH	AP0151BH	AP0181BH	AP0241BH				
Cooling/Heating capacity (Note 1)	(kW)	2.2/2.5	2.8/3.2	3.6/4.0	4.5/5.0	5.6/6.3	7.1/8.0				
Electrical characteristics	Power supply	1 phase 50Hz 230V (220 – 240V) (Separate power supply for indoor units is required.)									
	Running current (A)	0.25		0.45		0.46					
	Power consumption (kW)	0.056		0.090		0.095					
	Power factor (%)	97		87		90					
	Starting current (A)	0.60		0.80		1.00					
Appearance		Zinc hot dipping steel plate									
Outer dimension	Height x Width x Depth (mm)	600 x 745 x 220			600 x 1,045 x 220						
Total weight		21		29							
Heat exchanger		Finned tube									
Soundproof/Heat-insulating material		Non-flammable insulation									
Fan unit	Fan	Centrifugal fan									
	Standard air flow (High/Mid./Low) (m³/h)	460/400/300			740/600/490		950/790/640				
	Motor output (W)	19			70						
	Static pressure range (kPa)	0									
Air filter		Standard filter (Simple filter)									
Controller		Remote controller									
Connecting pipe	Gas side (mm)	Ø 9.5		Ø 12.7		Ø 15.9					
	Liquid side (mm)	Ø 6.4				Ø 9.5					
	Drain port (Nominal dia. mm)	20 (One side of male screw)									
Sound pressure level (Note 2) (High/Mid./Low) (dB(A))		36 (34/32)				42 (37/33)					

Note 1 : The cooling capacities and electrical characteristics 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 meter height.

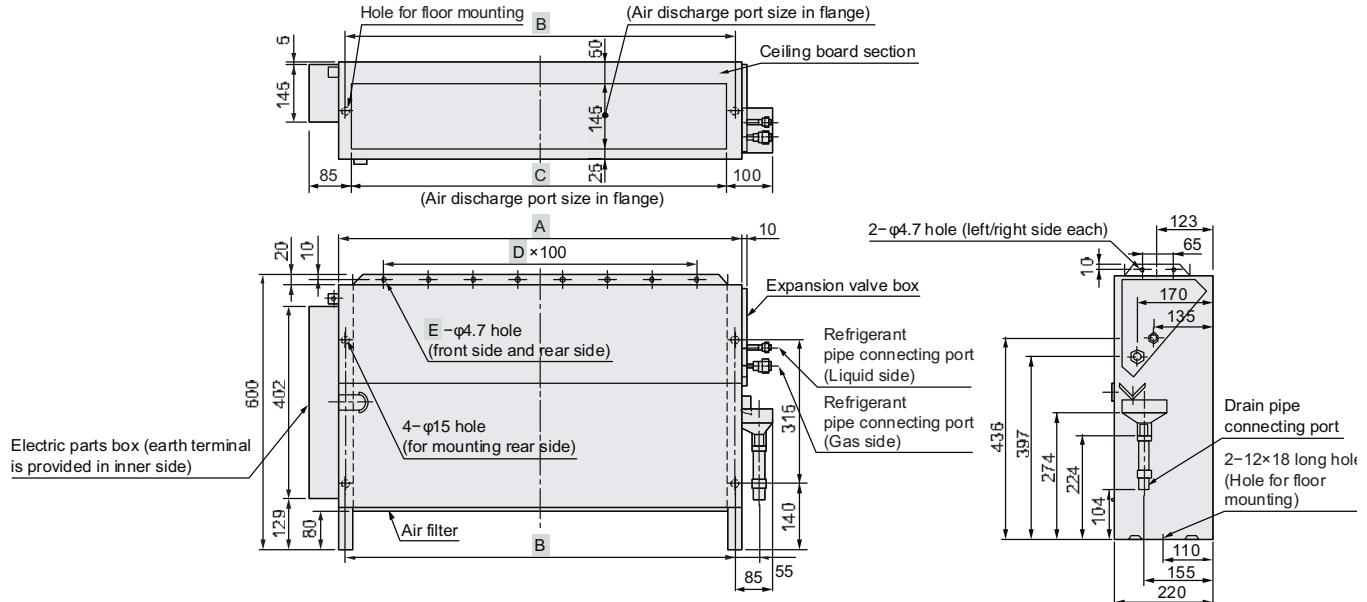
Note 2 : The sound levels are measured in an anechoic chamber in accordance with JIS B8616. Normally, the values measured in the actual operating environment become larger than the indicated values due to the effects of external sound.

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



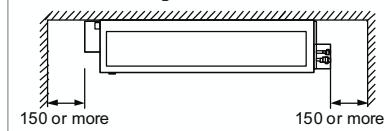
2. Dimension

MML-AP0071BH, AP091BH, AP0121BH, AP0151BH, AP0181BH, AP0241BH



Model	MML-	A	B	C	D	E
AP0071BH to AP0121BH		610	580	550	4	5
AP0151BH to AP0241BH		910	880	850	7	8

- Space required for installation and servicing

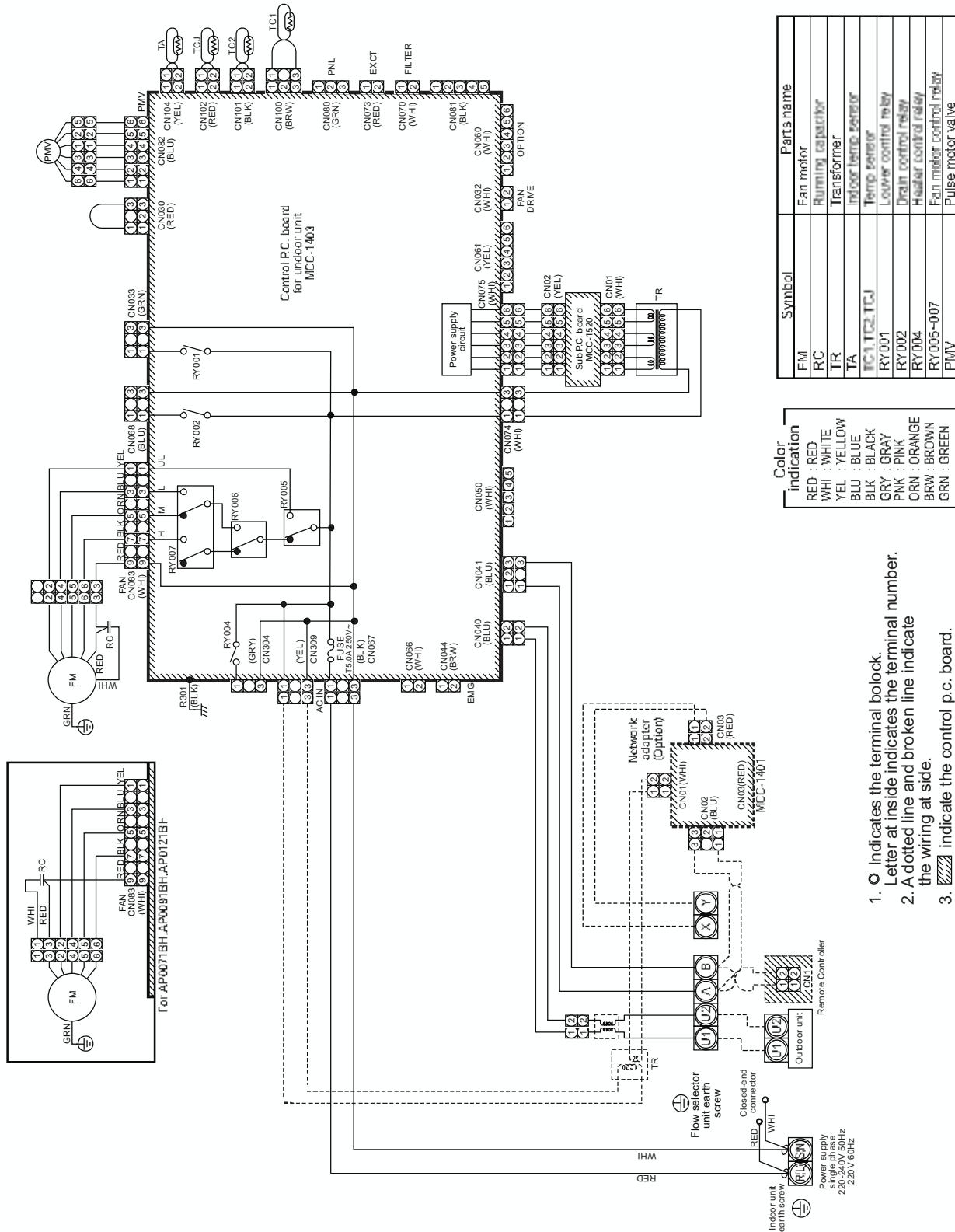


(Unit: mm)



3. Wiring diagram

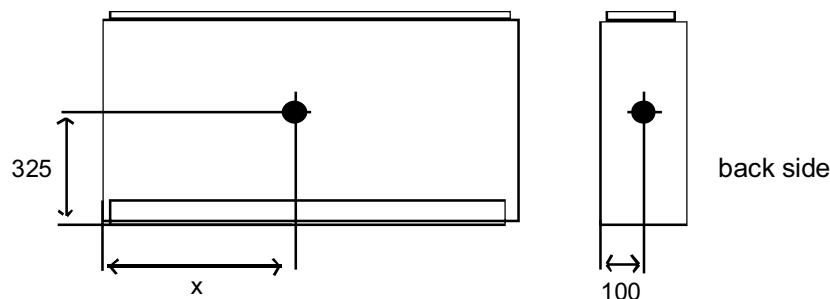
MML-AP0071BH, AP0091BH, AP0121BH, AP0151BH, AP0181BH, AP0241BH





4. Center of gravity

Model name	X (mm)	Total weight(kg)
MML-AP0071BH	340	21
MML-AP0091BH		
MML-AP0121BH		
MML-AP0151BH	470	29
MML-AP0181BH		
MML-AP0241BH		



5. Electrical current characteristics

Type	Model	Nominal Voltage (V-Ph-Hz)	Voltage Range		Fan Motor		Power Supply	
			Min	Max	kW	FLA	MCA	MOCP
Floor Standing Concealed Type	MML-AP 0091 BH	230-1-50	198	264	0.019	0.29	0.36	15
	MML-AP 0121 BH	230-1-50	198	264	0.019	0.29	0.36	15
	MML-AP 0151 BH	230-1-50	198	264	0.070	0.52	0.65	15
	MML-AP 0181 BH	230-1-50	198	264	0.070	0.52	0.65	15
	MML-AP 0241 BH	230-1-50	198	264	0.070	0.53	0.66	15

MCA : Minimum Circuit Amps

MOCP : Maximum Overcurrent Protection (Amps)

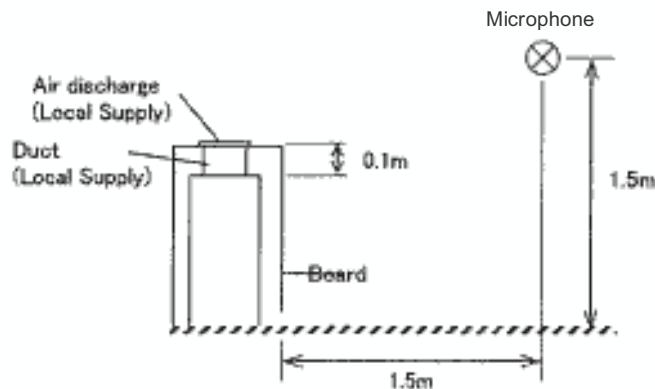
FLA : Full Load Amps

kW : Fan Motor Rated Output (kW)



7. Sound level data (NC CURVE)

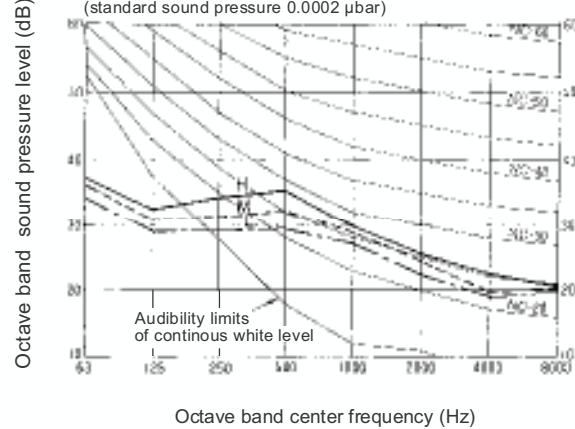
Sound level values shown are based on a measurement in a non resound room.



MML-AP0071BH, AP0091BH, AP0121BH

Fan Tap	H	M	L
Overall level (dB)	A 36.0	34.0	32.0
	C 41.7	40.2	37.9

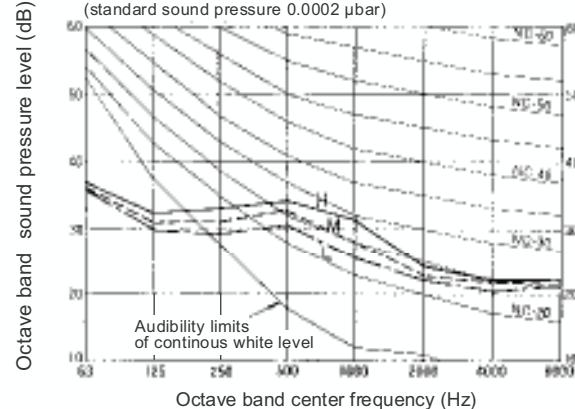
(standard sound pressure 0.0002 pbar)



MML-AP151BH, AP0181BH

Fan Tap	H	M	L
Overall level (dB)	A 36.0	34.0	32.0
	C 41.4	40.0	38.8

(standard sound pressure 0.0002 pbar)





MML-AP0241BH

Fan Tap		H	M	L
Overall level (dB)	A	42.0	37.0	33.0
	C	46.4	41.0	37.7

(standard sound pressure 0.0002 μ bar)

