

Ceiling Type

MMC-AP0157HP-E / MMC-AP0187HP-E
MMC-AP0247HP-E / MMC-AP0277HP-E
MMC-AP0367HP-E / MMC-AP0487HP-E
MMC-AP0567HP-E



Contents

1. Specifications
2. Dimensions
3. Center of gravity
4. Piping diagram
5. Wiring diagram
6. Electrical characteristics
7. Sensible capacity table
8. Air flow distance chart
9. Sound data
10. Accessories

1. Specifications



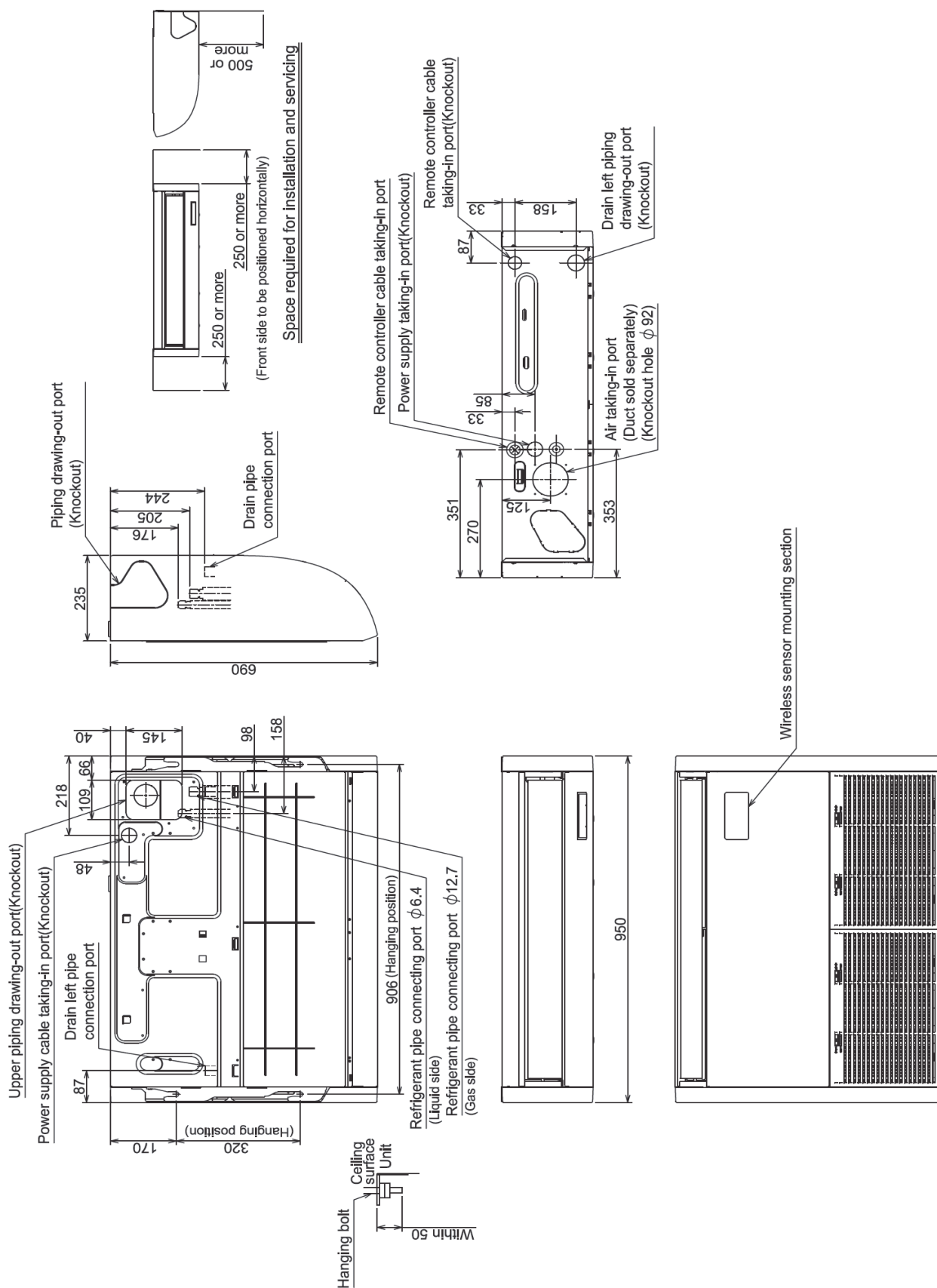
Model Name			MMC	0157HP-E	0187HP-E	0247HP-E	0277HP-E	0367HP-E	0487HP-E	0567HP-E
Cooling/Heating capacity			(kW)	4.5/5.0	5.6/6.3	7.1/8.0	8.0/9.0	11.2/12.5	14.0/16.0	16.0/18.0
Electrical characteristics	Power supply		1 phase 50Hz 230V (220-240V) / 1 phase 60Hz 220V							
	Running current (50/60 Hz)	(A)	0.36/0.37	0.37/0.38	0.65/0.67	0.65/0.67	0.77/0.80	0.77/0.80	0.99/1.02	
	Power consumption	(kW)	0.033	0.034	0.067	0.067	0.083	0.083	0.111	
	Starting current (50/60 Hz)	(A)	0.54/0.55	0.55/0.57	0.97/1.00	0.97/1.00	1.16/1.20	1.16/1.20	1.49/1.53	
Appearance				Pure White (Munsell N9.1)						
Dimension	Height	(mm)	235							
	Width	(mm)	950		1270		1586			
	Depth	(mm)	690							
Total weight			(kg)	23		29		35		
Heat exchanger				Finned tube						
Soundproof/Heat-insulating material				Polyethylene foam						
Fan unit				Centrifugal fan (Sirocco fan)						
Standard air flow	High	(m³/h)	840	960	1440	1440	1860	1860	2040	
	Mid.	(m³/h)	690	720	1020	1020	1350	1530	1650	
	Low	(m³/h)	540	540	750	750	1020	1200	1260	
Motor output			(W)	94				139		
Air filter				Standard filter (Long life filter)						
Controller				Remote controller						
Room thermostat				Attached						
Connecting pipe	Gas side	(mm)	12.7		15.9					
	Liquid side	(mm)	6.4		9.5					
	Drain port	(mm)	20 (Polyvinyl chloride tube)							
Sound pressure level (High/Mid/Low)			(dBA)	36/34/28	37/35/28	41/36/29	41/36/29	44/38/32	44/41/35	46/42/36

Note :

(*1) 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
 Based on equivalent piping length of 7.5 m and piping height difference of 0 m.

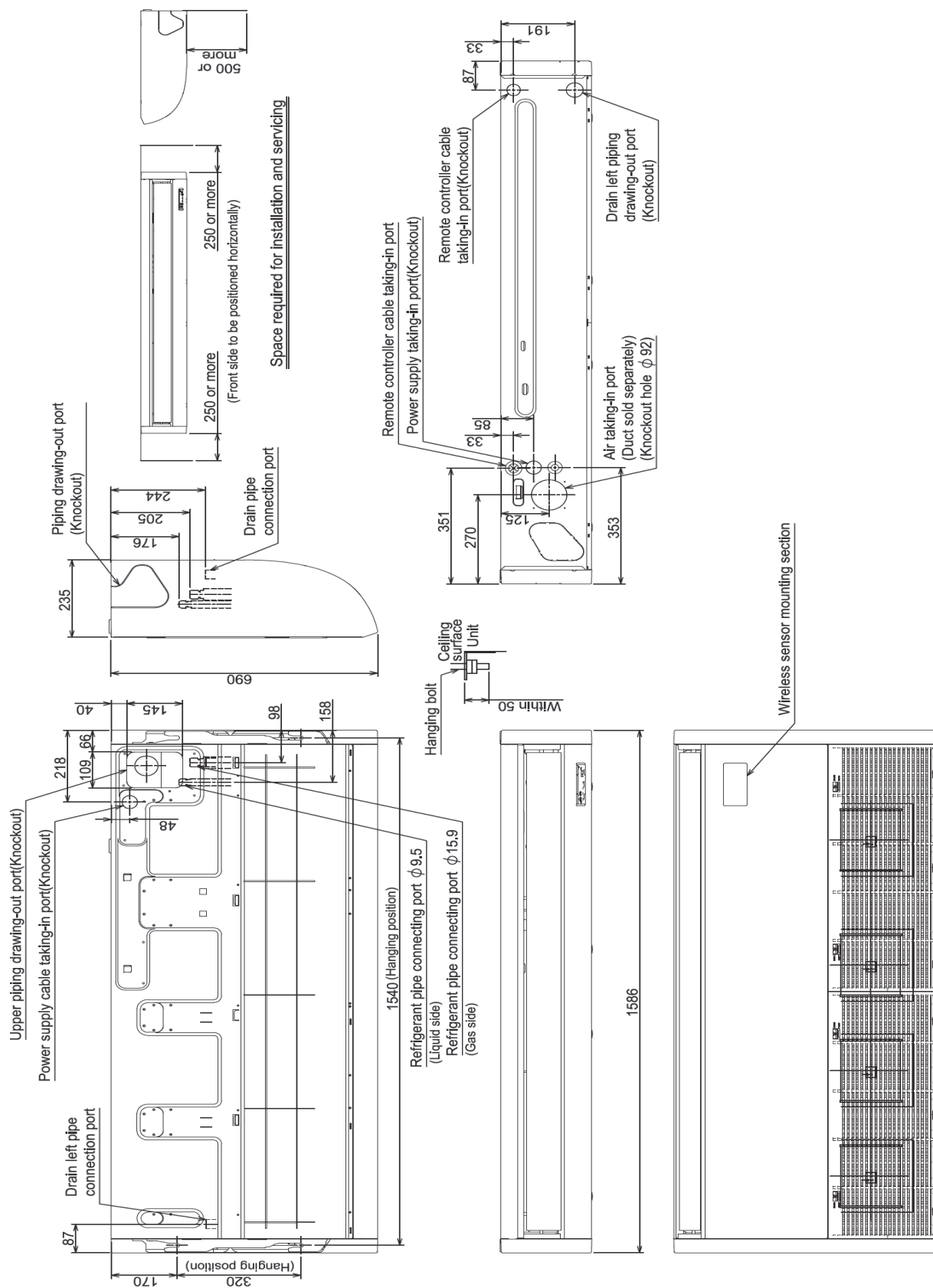
2. Dimensions

MMC-AP0157HP-E, AP0187HP-E



(Unit:mm)

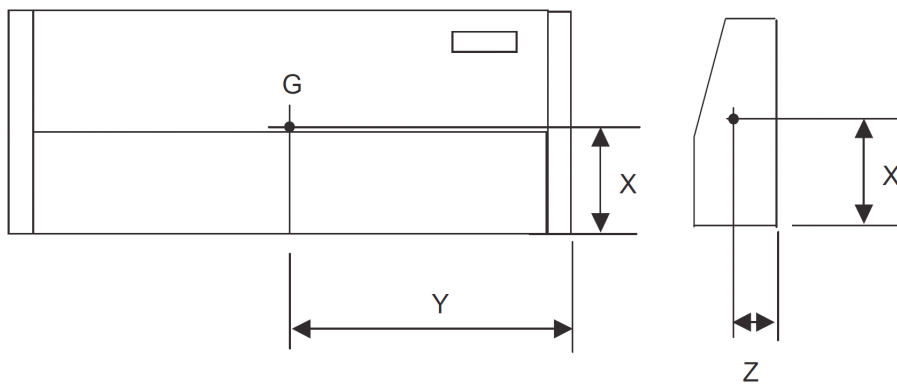
MMC-AP0367HP-E, AP0487HP-E, AP0567HP-E



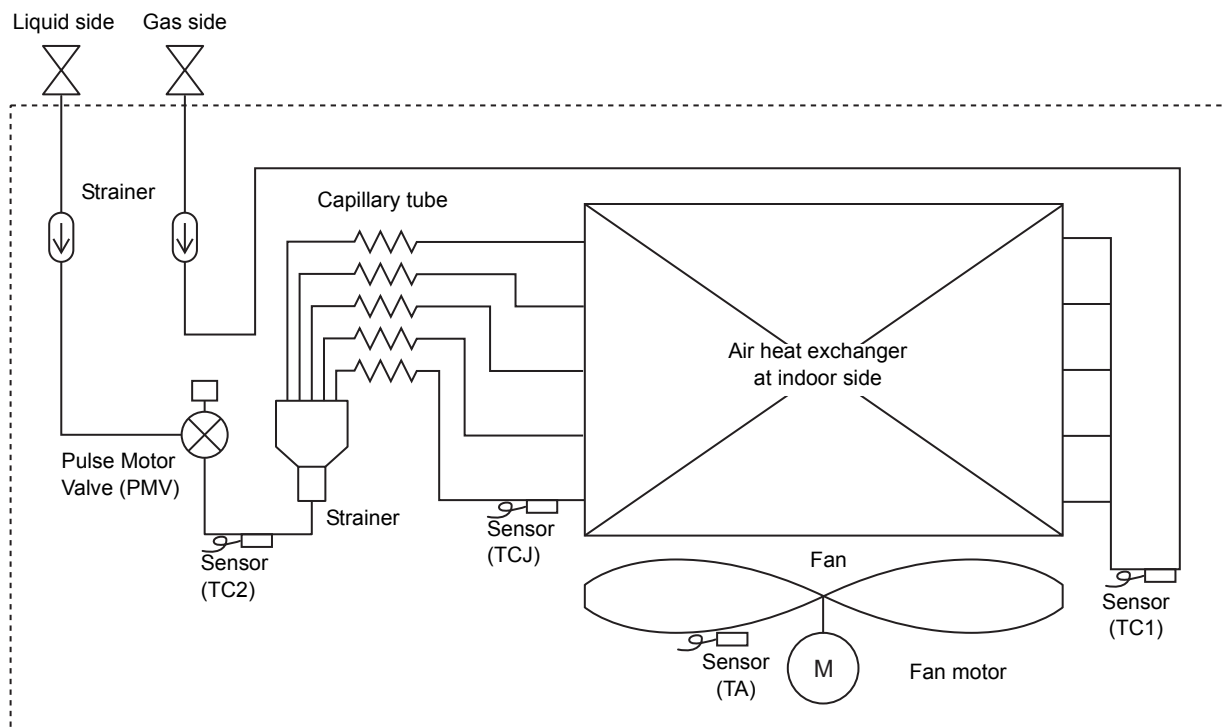
(Unit:mm)

3. Center of gravity

Model name	X (mm)	Y (mm)	Z (mm)	Total weight (kg)
MMC-AP0157HP-E	375	480	100	23
MMC-AP0187HP-E				
MMC-AP0247HP-E	375	620	100	29
MMC-AP0277HP-E				
MMC-AP0367HP-E	375	760	100	35
MMC-AP0477HP-E				
MMC-AP0567HP-E				



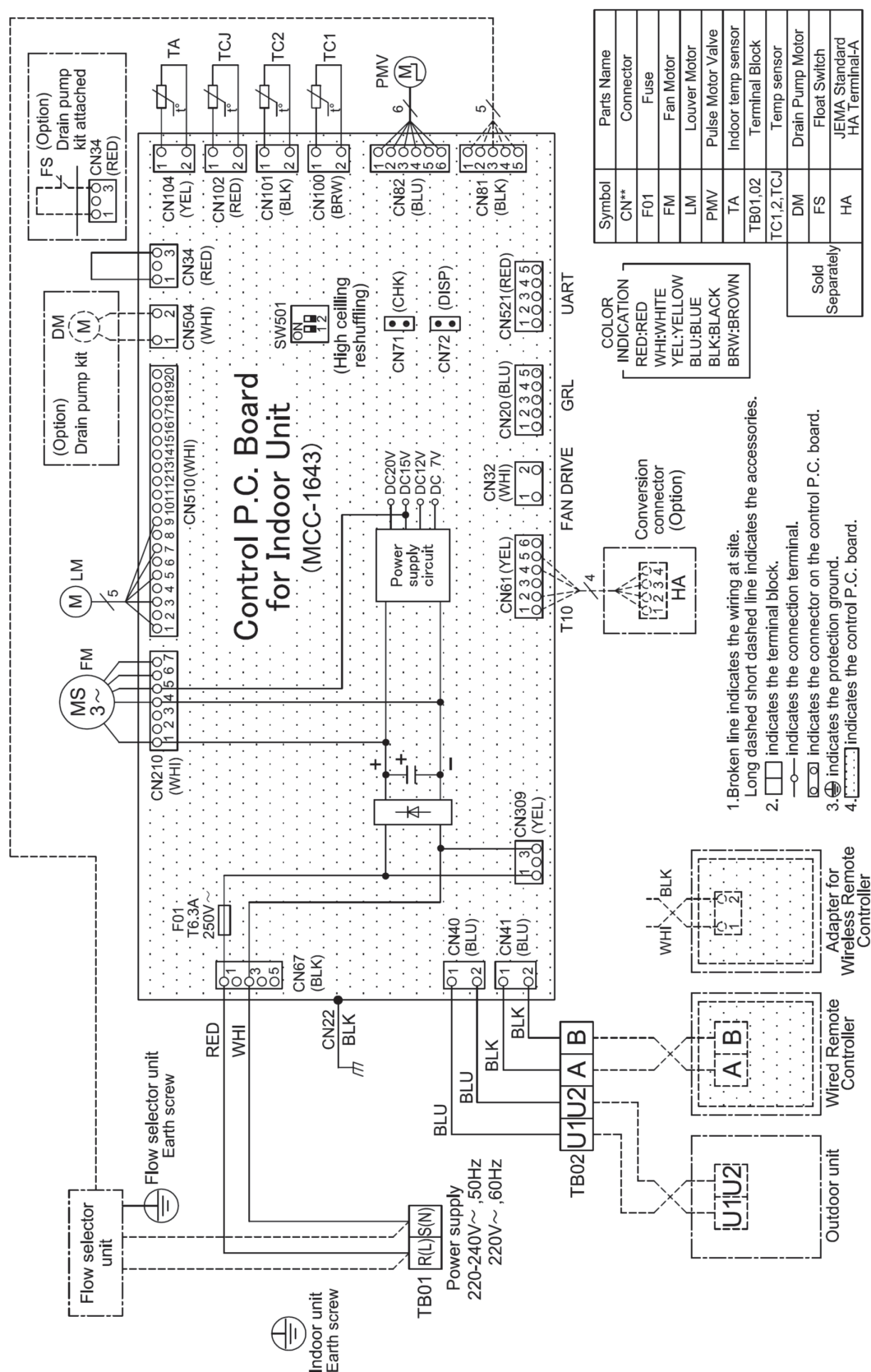
4. Piping diagram



Functional part name		Functional outline
Pulse Motor Valve	PMV	(Connector CN082 (6P): Blue) 1) Controls super heat in cooling operation 2) Controls sub cool in heating operation 3) Recovers refrigerant oil in cooling operation 4) Recovers refrigerant oil in heating operation
Temp. sensor	1. TA	(Connector CN104 (2P): Yellow) 1) Detects indoor suction temperature
	2. TC1	(Connector CN100 (3P): Brown) 1) Controls PMV super heat in cooling operation
	3. TC2	(Connector CN101 (2P): Black) 1) Controls PMV sub cool in heating operation
	4. TCJ	(Connector CN102 (2P): Red) 1) Controls PMV super heat in cooling operation

5. Wiring diagram

MMC-AP0157HP-E, AP0187HP-E, AP0247HP-E, AP0277HP-E, AP0367HP-E, AP0487HP-E,
AP0567HP-E



6. Electrical characteristics

1. 50Hz

Model	Nominal Voltage	Voltage Range		Fan Motor		Power Supply	
	(V-Ph-Hz)	Min	Max	kW	FLA	MCA	MOCP
MMC-AP0157HP-E	230-1-50	198	264	0.094	0.41	0.52	15
MMC-AP0187HP-E	230-1-50	198	264	0.094	0.42	0.53	15
MMC-AP0247HP-E	230-1-50	198	264	0.094	0.75	0.93	15
MMC-AP0277HP-E	230-1-50	198	264	0.094	0.75	0.93	15
MMC-AP0367HP-E	230-1-50	198	264	0.139	0.89	1.11	15
MMC-AP0487HP-E	230-1-50	198	264	0.139	0.89	1.11	15
MMC-AP0567HP-E	230-1-50	198	264	0.139	1.14	1.43	15

2. 60Hz

Model	Nominal Voltage	Voltage Range		Fan Motor		Power Supply	
	(V-Ph-Hz)	Min	Max	kW	FLA	MCA	MOCP
MMC-AP0157HP-E	220-1-60	198	242	0.094	0.42	0.53	15
MMC-AP0187HP-E	220-1-60	198	242	0.094	0.44	0.54	15
MMC-AP0247HP-E	220-1-60	198	242	0.094	0.77	0.96	15
MMC-AP0277HP-E	220-1-60	198	242	0.094	0.77	0.96	15
MMC-AP0367HP-E	220-1-60	198	242	0.139	0.92	1.15	15
MMC-AP0487HP-E	220-1-60	198	242	0.139	0.92	1.15	15
MMC-AP0567HP-E	220-1-60	198	242	0.139	1.17	1.46	15

MCA: Minimum Circuit Amps

FLA: Full Load Amps

MOCP: Maximum Over current Protection (Amps)

kW: Fan Motor Rated Output (kW)

7. Sensible capacity table

Ceiling Type (MMC-AP__7HP-E)

unit size	outdoor air temp. CDB	indoor air temp.																	
		14.0CWB 20.0CDB		15.0CWB 21.5CDB		16.0CWB 23.0CDB		17.0CWB 24.5CDB		18.0CWB 26.0CDB		19.0CWB 27.0CDB		20.0CWB 28.0CDB		22.0CWB 30.0CDB		24.0CWB 32.0CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
015	10.0	3.7	2.8	3.9	3.0	4.1	3.1	4.2	3.2	4.4	3.3	4.5	3.4	4.6	3.5	4.9	3.7	5.1	3.9
	12.0	3.7	2.8	3.9	3.0	4.1	3.1	4.2	3.2	4.4	3.3	4.5	3.4	4.6	3.5	4.9	3.7	5.1	3.9
	14.0	3.7	2.8	3.9	3.0	4.1	3.1	4.2	3.2	4.4	3.3	4.5	3.4	4.6	3.5	4.9	3.7	5.1	3.9
	16.0	3.7	2.8	3.9	3.0	4.1	3.1	4.2	3.2	4.4	3.3	4.5	3.4	4.6	3.5	4.9	3.7	5.1	3.9
	18.0	3.7	2.8	3.9	3.0	4.1	3.1	4.2	3.2	4.4	3.3	4.5	3.4	4.6	3.5	4.9	3.7	5.1	3.9
	20.0	3.7	2.8	3.9	3.0	4.1	3.1	4.2	3.2	4.4	3.3	4.5	3.4	4.6	3.5	4.9	3.7	5.1	3.9
	21.0	3.7	2.8	3.9	3.0	4.1	3.1	4.2	3.2	4.4	3.3	4.5	3.4	4.6	3.5	4.9	3.7	5.1	3.9
	23.0	3.7	2.8	3.9	3.0	4.1	3.1	4.2	3.2	4.4	3.3	4.5	3.4	4.6	3.5	4.9	3.7	5.1	3.9
	25.0	3.7	2.8	3.9	3.0	4.1	3.1	4.2	3.2	4.4	3.3	4.5	3.4	4.6	3.5	4.9	3.7	5.1	3.9
	27.0	3.7	2.8	3.9	3.0	4.1	3.1	4.2	3.2	4.4	3.3	4.5	3.4	4.6	3.5	4.9	3.7	5.1	3.9
	29.0	3.7	2.8	3.9	3.0	4.1	3.1	4.2	3.2	4.4	3.3	4.5	3.4	4.6	3.5	4.9	3.7	5.1	3.9
	31.0	3.7	2.8	3.9	3.0	4.1	3.1	4.2	3.2	4.4	3.3	4.5	3.4	4.6	3.5	4.9	3.7	5.1	3.9
	33.0	3.7	2.8	3.9	3.0	4.1	3.1	4.2	3.2	4.4	3.3	4.5	3.4	4.6	3.5	4.9	3.7	5.1	3.9
	35.0	3.7	2.8	3.9	3.0	4.1	3.1	4.2	3.2	4.4	3.3	4.5	3.4	4.6	3.5	4.9	3.7	5.1	3.9
	37.0	3.6	2.8	3.8	2.9	4.0	3.0	4.1	3.2	4.3	3.3	4.4	3.4	4.5	3.5	4.8	3.7	5.0	3.8
	39.0	3.6	2.7	3.7	2.8	3.9	3.0	4.1	3.1	4.2	3.2	4.3	3.3	4.4	3.4	4.7	3.6	4.9	3.7

unit size	outdoor air temp. CDB	indoor air temp.																	
		14.0CWB 20.0CDB		15.0CWB 21.5CDB		16.0CWB 23.0CDB		17.0CWB 24.5CDB		18.0CWB 26.0CDB		19.0CWB 27.0CDB		20.0CWB 28.0CDB		22.0CWB 30.0CDB		24.0CWB 32.0CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
018	10.0	4.6	3.2	4.8	3.3	5.1	3.5	5.3	3.6	5.4	3.8	5.6	3.9	5.8	4.0	6.1	4.2	6.4	4.4
	12.0	4.6	3.2	4.8	3.3	5.1	3.5	5.3	3.6	5.4	3.8	5.6	3.9	5.8	4.0	6.1	4.2	6.4	4.4
	14.0	4.6	3.2	4.8	3.3	5.1	3.5	5.3	3.6	5.4	3.8	5.6	3.9	5.8	4.0	6.1	4.2	6.4	4.4
	16.0	4.6	3.2	4.8	3.3	5.1	3.5	5.3	3.6	5.4	3.8	5.6	3.9	5.8	4.0	6.1	4.2	6.4	4.4
	18.0	4.6	3.2	4.8	3.3	5.1	3.5	5.3	3.6	5.4	3.8	5.6	3.9	5.8	4.0	6.1	4.2	6.4	4.4
	20.0	4.6	3.2	4.8	3.3	5.1	3.5	5.3	3.6	5.4	3.8	5.6	3.9	5.8	4.0	6.1	4.2	6.4	4.4
	21.0	4.6	3.2	4.8	3.3	5.1	3.5	5.3	3.6	5.4	3.8	5.6	3.9	5.8	4.0	6.1	4.2	6.4	4.4
	23.0	4.6	3.2	4.8	3.3	5.1	3.5	5.3	3.6	5.4	3.8	5.6	3.9	5.8	4.0	6.1	4.2	6.4	4.4
	25.0	4.6	3.2	4.8	3.3	5.1	3.5	5.3	3.6	5.4	3.8	5.6	3.9	5.8	4.0	6.1	4.2	6.4	4.4
	27.0	4.6	3.2	4.8	3.3	5.1	3.5	5.3	3.6	5.4	3.8	5.6	3.9	5.8	4.0	6.1	4.2	6.4	4.4
	29.0	4.6	3.2	4.8	3.3	5.1	3.5	5.3	3.6	5.4	3.8	5.6	3.9	5.8	4.0	6.1	4.2	6.4	4.4
	31.0	4.6	3.2	4.8	3.3	5.1	3.5	5.3	3.6	5.4	3.8	5.6	3.9	5.8	4.0	6.1	4.2	6.4	4.4
	33.0	4.6	3.2	4.8	3.3	5.1	3.5	5.3	3.6	5.4	3.8	5.6	3.9	5.8	4.0	6.1	4.2	6.4	4.4
	35.0	4.6	3.2	4.8	3.3	5.1	3.5	5.3	3.6	5.4	3.8	5.6	3.9	5.8	4.0	6.1	4.2	6.4	4.4
	37.0	4.5	3.1	4.7	3.3	5.0	3.4	5.2	3.6	5.3	3.7	5.5	3.8	5.7	3.9	6.0	4.1	6.3	4.3
	39.0	4.4	3.1	4.7	3.2	4.9	3.4	5.1	3.5	5.2	3.6	5.4	3.7	5.5	3.8	5.9	4.0	6.1	4.2

TC: Total Capacity [kW]

SHC: Sensible Heat Capacity [kW]

Ceiling Type (MMC-AP__7HP-E)

unit size	outdoor air temp. CDB	indoor air temp.																	
		14.0CWB 20.0CDB		15.0CWB 21.5CDB		16.0CWB 23.0CDB		17.0CWB 24.5CDB		18.0CWB 26.0CDB		19.0CWB 27.0CDB		20.0CWB 28.0CDB		22.0CWB 30.0CDB		24.0CWB 32.0CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
024	10.0	5.8	4.3	6.1	4.5	6.4	4.8	6.7	4.9	6.9	5.1	7.1	5.3	7.3	5.4	7.7	5.7	8.1	6.0
	12.0	5.8	4.3	6.1	4.5	6.4	4.8	6.7	4.9	6.9	5.1	7.1	5.3	7.3	5.4	7.7	5.7	8.1	6.0
	14.0	5.8	4.3	6.1	4.5	6.4	4.8	6.7	4.9	6.9	5.1	7.1	5.3	7.3	5.4	7.7	5.7	8.1	6.0
	16.0	5.8	4.3	6.1	4.5	6.4	4.8	6.7	4.9	6.9	5.1	7.1	5.3	7.3	5.4	7.7	5.7	8.1	6.0
	18.0	5.8	4.3	6.1	4.5	6.4	4.8	6.7	4.9	6.9	5.1	7.1	5.3	7.3	5.4	7.7	5.7	8.1	6.0
	20.0	5.8	4.3	6.1	4.5	6.4	4.8	6.7	4.9	6.9	5.1	7.1	5.3	7.3	5.4	7.7	5.7	8.1	6.0
	21.0	5.8	4.3	6.1	4.5	6.4	4.8	6.7	4.9	6.9	5.1	7.1	5.3	7.3	5.4	7.7	5.7	8.1	6.0
	23.0	5.8	4.3	6.1	4.5	6.4	4.8	6.7	4.9	6.9	5.1	7.1	5.3	7.3	5.4	7.7	5.7	8.1	6.0
	25.0	5.8	4.3	6.1	4.5	6.4	4.8	6.7	4.9	6.9	5.1	7.1	5.3	7.3	5.4	7.7	5.7	8.1	6.0
	27.0	5.8	4.3	6.1	4.5	6.4	4.8	6.7	4.9	6.9	5.1	7.1	5.3	7.3	5.4	7.7	5.7	8.1	6.0
	29.0	5.8	4.3	6.1	4.5	6.4	4.8	6.7	4.9	6.9	5.1	7.1	5.3	7.3	5.4	7.7	5.7	8.1	6.0
	31.0	5.8	4.3	6.1	4.5	6.4	4.8	6.7	4.9	6.9	5.1	7.1	5.3	7.3	5.4	7.7	5.7	8.1	6.0
	33.0	5.8	4.3	6.1	4.5	6.4	4.8	6.7	4.9	6.9	5.1	7.1	5.3	7.3	5.4	7.7	5.7	8.1	6.0
	35.0	5.8	4.3	6.1	4.5	6.4	4.8	6.7	4.9	6.9	5.1	7.1	5.3	7.3	5.4	7.7	5.7	8.1	6.0
	37.0	5.7	4.2	6.0	4.5	6.3	4.7	6.5	4.8	6.8	5.0	7.0	5.2	7.2	5.3	7.6	5.6	7.9	5.9
	39.0	5.6	4.1	5.9	4.4	6.2	4.6	6.4	4.7	6.6	4.9	6.8	5.0	7.0	5.2	7.4	5.5	7.8	5.8

unit size	outdoor air temp. CDB	indoor air temp.																	
		14.0CWB 20.0CDB		15.0CWB 21.5CDB		16.0CWB 23.0CDB		17.0CWB 24.5CDB		18.0CWB 26.0CDB		19.0CWB 27.0CDB		20.0CWB 28.0CDB		22.0CWB 30.0CDB		24.0CWB 32.0CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
027	10.0	6.6	4.7	6.9	5.0	7.3	5.2	7.5	5.4	7.8	5.6	8.0	5.8	8.2	5.9	8.7	6.3	9.1	6.6
	12.0	6.6	4.7	6.9	5.0	7.3	5.2	7.5	5.4	7.8	5.6	8.0	5.8	8.2	5.9	8.7	6.3	9.1	6.6
	14.0	6.6	4.7	6.9	5.0	7.3	5.2	7.5	5.4	7.8	5.6	8.0	5.8	8.2	5.9	8.7	6.3	9.1	6.6
	16.0	6.6	4.7	6.9	5.0	7.3	5.2	7.5	5.4	7.8	5.6	8.0	5.8	8.2	5.9	8.7	6.3	9.1	6.6
	18.0	6.6	4.7	6.9	5.0	7.3	5.2	7.5	5.4	7.8	5.6	8.0	5.8	8.2	5.9	8.7	6.3	9.1	6.6
	20.0	6.6	4.7	6.9	5.0	7.3	5.2	7.5	5.4	7.8	5.6	8.0	5.8	8.2	5.9	8.7	6.3	9.1	6.6
	21.0	6.6	4.7	6.9	5.0	7.3	5.2	7.5	5.4	7.8	5.6	8.0	5.8	8.2	5.9	8.7	6.3	9.1	6.6
	23.0	6.6	4.7	6.9	5.0	7.3	5.2	7.5	5.4	7.8	5.6	8.0	5.8	8.2	5.9	8.7	6.3	9.1	6.6
	25.0	6.6	4.7	6.9	5.0	7.3	5.2	7.5	5.4	7.8	5.6	8.0	5.8	8.2	5.9	8.7	6.3	9.1	6.6
	27.0	6.6	4.7	6.9	5.0	7.3	5.2	7.5	5.4	7.8	5.6	8.0	5.8	8.2	5.9	8.7	6.3	9.1	6.6
	29.0	6.6	4.7	6.9	5.0	7.3	5.2	7.5	5.4	7.8	5.6	8.0	5.8	8.2	5.9	8.7	6.3	9.1	6.6
	31.0	6.6	4.7	6.9	5.0	7.3	5.2	7.5	5.4	7.8	5.6	8.0	5.8	8.2	5.9	8.7	6.3	9.1	6.6
	33.0	6.6	4.7	6.9	5.0	7.3	5.2	7.5	5.4	7.8	5.6	8.0	5.8	8.2	5.9	8.7	6.3	9.1	6.6
	35.0	6.6	4.7	6.9	5.0	7.3	5.2	7.5	5.4	7.8	5.6	8.0	5.8	8.2	5.9	8.7	6.3	9.1	6.6
	37.0	6.4	4.6	6.8	4.9	7.1	5.1	7.4	5.3	7.6	5.5	7.8	5.7	8.1	5.8	8.5	6.2	8.9	6.4
	39.0	6.3	4.5	6.6	4.8	7.0	5.0	7.2	5.2	7.5	5.4	7.7	5.5	7.9	5.7	8.4	6.0	8.8	6.3

TC: Total Capacity [kW]

SHC: Sensible Heat Capacity [kW]

Ceiling Type (MMC-AP__7HP-E)

unit size	outdoor air temp. CDB	indoor air temp.																	
		14.0CWB 20.0CDB		15.0CWB 21.5CDB		16.0CWB 23.0CDB		17.0CWB 24.5CDB		18.0CWB 26.0CDB		19.0CWB 27.0CDB		20.0CWB 28.0CDB		22.0CWB 30.0CDB		24.0CWB 32.0CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
036	10.0	9.2	6.2	9.7	6.5	10.2	6.8	10.5	7.0	10.9	7.3	11.2	7.5	11.5	7.7	12.2	8.2	12.8	8.5
	12.0	9.2	6.2	9.7	6.5	10.2	6.8	10.5	7.0	10.9	7.3	11.2	7.5	11.5	7.7	12.2	8.2	12.8	8.5
	14.0	9.2	6.2	9.7	6.5	10.2	6.8	10.5	7.0	10.9	7.3	11.2	7.5	11.5	7.7	12.2	8.2	12.8	8.5
	16.0	9.2	6.2	9.7	6.5	10.2	6.8	10.5	7.0	10.9	7.3	11.2	7.5	11.5	7.7	12.2	8.2	12.8	8.5
	18.0	9.2	6.2	9.7	6.5	10.2	6.8	10.5	7.0	10.9	7.3	11.2	7.5	11.5	7.7	12.2	8.2	12.8	8.5
	20.0	9.2	6.2	9.7	6.5	10.2	6.8	10.5	7.0	10.9	7.3	11.2	7.5	11.5	7.7	12.2	8.2	12.8	8.5
	21.0	9.2	6.2	9.7	6.5	10.2	6.8	10.5	7.0	10.9	7.3	11.2	7.5	11.5	7.7	12.2	8.2	12.8	8.5
	23.0	9.2	6.2	9.7	6.5	10.2	6.8	10.5	7.0	10.9	7.3	11.2	7.5	11.5	7.7	12.2	8.2	12.8	8.5
	25.0	9.2	6.2	9.7	6.5	10.2	6.8	10.5	7.0	10.9	7.3	11.2	7.5	11.5	7.7	12.2	8.2	12.8	8.5
	27.0	9.2	6.2	9.7	6.5	10.2	6.8	10.5	7.0	10.9	7.3	11.2	7.5	11.5	7.7	12.2	8.2	12.8	8.5
	29.0	9.2	6.2	9.7	6.5	10.2	6.8	10.5	7.0	10.9	7.3	11.2	7.5	11.5	7.7	12.2	8.2	12.8	8.5
	31.0	9.2	6.2	9.7	6.5	10.2	6.8	10.5	7.0	10.9	7.3	11.2	7.5	11.5	7.7	12.2	8.2	12.8	8.5
	33.0	9.2	6.2	9.7	6.5	10.2	6.8	10.5	7.0	10.9	7.3	11.2	7.5	11.5	7.7	12.2	8.2	12.8	8.5
	35.0	9.2	6.2	9.7	6.5	10.2	6.8	10.5	7.0	10.9	7.3	11.2	7.5	11.5	7.7	12.2	8.2	12.8	8.5
	37.0	9.0	6.0	9.5	6.4	10.0	6.7	10.3	6.9	10.7	7.2	11.0	7.4	11.3	7.6	12.0	8.0	12.5	8.4
	39.0	8.8	5.9	9.3	6.2	9.8	6.5	10.1	6.8	10.5	7.0	10.8	7.2	11.1	7.4	11.7	7.9	12.3	8.2

unit size	outdoor air temp. CDB	indoor air temp.																	
		14.0CWB 20.0CDB		15.0CWB 21.5CDB		16.0CWB 23.0CDB		17.0CWB 24.5CDB		18.0CWB 26.0CDB		19.0CWB 27.0CDB		20.0CWB 28.0CDB		22.0CWB 30.0CDB		24.0CWB 32.0CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
048	10.0	11.5	7.4	12.1	7.7	12.7	8.1	13.1	8.4	13.6	8.7	14.0	9.0	14.4	9.2	15.3	9.8	16.0	10.2
	12.0	11.5	7.4	12.1	7.7	12.7	8.1	13.1	8.4	13.6	8.7	14.0	9.0	14.4	9.2	15.3	9.8	16.0	10.2
	14.0	11.5	7.4	12.1	7.7	12.7	8.1	13.1	8.4	13.6	8.7	14.0	9.0	14.4	9.2	15.3	9.8	16.0	10.2
	16.0	11.5	7.4	12.1	7.7	12.7	8.1	13.1	8.4	13.6	8.7	14.0	9.0	14.4	9.2	15.3	9.8	16.0	10.2
	18.0	11.5	7.4	12.1	7.7	12.7	8.1	13.1	8.4	13.6	8.7	14.0	9.0	14.4	9.2	15.3	9.8	16.0	10.2
	20.0	11.5	7.4	12.1	7.7	12.7	8.1	13.1	8.4	13.6	8.7	14.0	9.0	14.4	9.2	15.3	9.8	16.0	10.2
	21.0	11.5	7.4	12.1	7.7	12.7	8.1	13.1	8.4	13.6	8.7	14.0	9.0	14.4	9.2	15.3	9.8	16.0	10.2
	23.0	11.5	7.4	12.1	7.7	12.7	8.1	13.1	8.4	13.6	8.7	14.0	9.0	14.4	9.2	15.3	9.8	16.0	10.2
	25.0	11.5	7.4	12.1	7.7	12.7	8.1	13.1	8.4	13.6	8.7	14.0	9.0	14.4	9.2	15.3	9.8	16.0	10.2
	27.0	11.5	7.4	12.1	7.7	12.7	8.1	13.1	8.4	13.6	8.7	14.0	9.0	14.4	9.2	15.3	9.8	16.0	10.2
	29.0	11.5	7.4	12.1	7.7	12.7	8.1	13.1	8.4	13.6	8.7	14.0	9.0	14.4	9.2	15.3	9.8	16.0	10.2
	31.0	11.5	7.4	12.1	7.7	12.7	8.1	13.1	8.4	13.6	8.7	14.0	9.0	14.4	9.2	15.3	9.8	16.0	10.2
	33.0	11.5	7.4	12.1	7.7	12.7	8.1	13.1	8.4	13.6	8.7	14.0	9.0	14.4	9.2	15.3	9.8	16.0	10.2
	35.0	11.5	7.4	12.1	7.7	12.7	8.1	13.1	8.4	13.6	8.7	14.0	9.0	14.4	9.2	15.3	9.8	16.0	10.2
	37.0	11.3	7.2	11.9	7.6	12.5	8.0	12.9	8.3	13.3	8.5	13.7	8.8	14.1	9.0	15.0	9.6	15.6	10.0
	39.0	11.1	7.1	11.8	7.4	12.2	7.8	12.6	8.1	13.1	8.4	13.5	8.6	13.8	8.9	14.7	9.4	15.3	9.8

unit size	outdoor air temp. CDB	indoor air temp.																	
		14.0CWB 20.0CDB		15.0CWB 21.5CDB		16.0CWB 23.0CDB		17.0CWB 24.5CDB		18.0CWB 26.0CDB		19.0CWB 27.0CDB		20.0CWB 28.0CDB		22.0CWB 30.0CDB		24.0CWB 32.0CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
056	10.0	13.1	8.4	13.8	8.8	14.5	9.3	15.0	9.6	15.5	9.9	16.0	10.2	16.5	10.5	17.4	11.2	18.2	11.7
	12.0	13.1	8.4	13.8	8.8	14.5	9.3	15.0	9.6	15.5	9.9	16.0	10.2	16.5	10.5	17.4	11.2	18.2	11.7
	14.0	13.1	8.4	13.8	8.8	14.5	9.3	15.0	9.6	15.5	9.9	16.0	10.2	16.5	10.5	17.4	11.2	18.2	11.7
	16.0	13.1	8.4	13.8	8.8	14.5	9.3	15.0	9.6	15.5	9.9	16.0	10.2	16.5	10.5	17.4	11.2	18.2	11.7
	18.0	13.1	8.4	13.8	8.8	14.5	9.3	15.0	9.6	15.5	9.9	16.0	10.2	16.5	10.5	17.4	11.2	18.2	11.7
	20.0	13.1	8.4	13.8	8.8	14.5	9.3	15.0	9.6	15.5	9.9	16.0	10.2	16.5	10.5	17.4	11.2	18.2	11.7
	21.0	13.1	8.4	13.8	8.8	14.5	9.3	15.0	9.6	15.5	9.9	16.0	10.2	16.5	10.5	17.4	11.2	18.2	11.7
	23.0	13.1	8.4	13.8	8.8	14.5	9.3	15.0	9.6	15.5	9.9	16.0	10.2	16.5	10.5	17.4	11.2	18.2	11.7
	25.0	13.1	8.4	13.8	8.8	14.5	9.3	15.0	9.6	15.5	9.9	16.0	10.2	16.5	10.5	17.4	11.2	18.2	11.7
	27.0	13.1	8.4	13.8	8.8	14.5	9.3	15.0	9.6	15.5	9.9	16.0	10.2	16.5	10.5	17.4	11.2	18.2	11.7
	29.0	13.1	8.4	13.8	8.8	14.5	9.3	15.0	9.6	15.5	9.9	16.0	10.2	16.5	10.5	17.4	11.2	18.2	11.7
	31.0	13.1	8.4	13.8	8.8	14.5	9.3	15.0	9.6	15.5	9.9	16.0	10.2	16.5	10.5	17.4	11.2	18.2	11.7
	33.0	13.1	8.4	13.8	8.8	14.5	9.3	15.0	9.6	15.5	9.9	16.0	10.2	16.5	10.5	17.4	11.2	18.2	11.7
	35.0	13.1	8.4	13.8	8.8	14.5	9.3	15.0	9.6	15.5	9.9	16.0	10.2	16.5	10.5	17.4	11.2	18.2	11.7
	37.0	12.9	8.3	13.6	8.7	14.2	9.1	14.7	9.4	15.2	9.8	15.7	10.0	16.1	10.3	17.1	10.9	17.9	11.4
	39.0	12.6	8.1	13.3	8.5	13.9	8.9	14.4	9.2	14.9	9.6	15.4	9.8	15.8	10.1	16.7	10.7	17.5	11.2

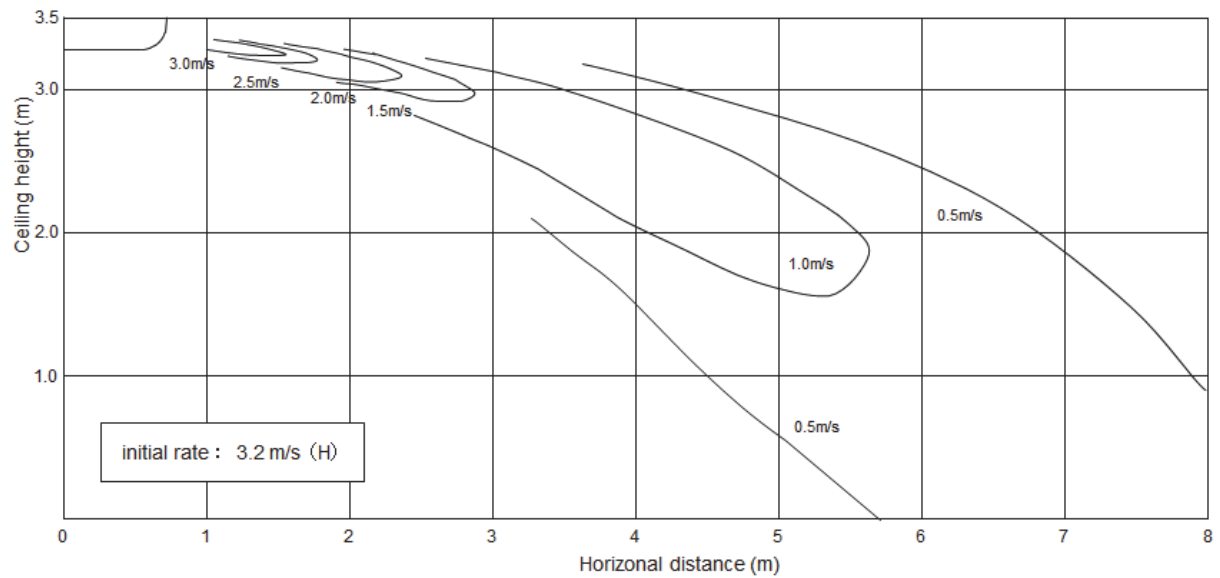
TC:Total Capacity [kW]

SHC:Sensible Heat Capacity [kW]

8. Air flow distance chart

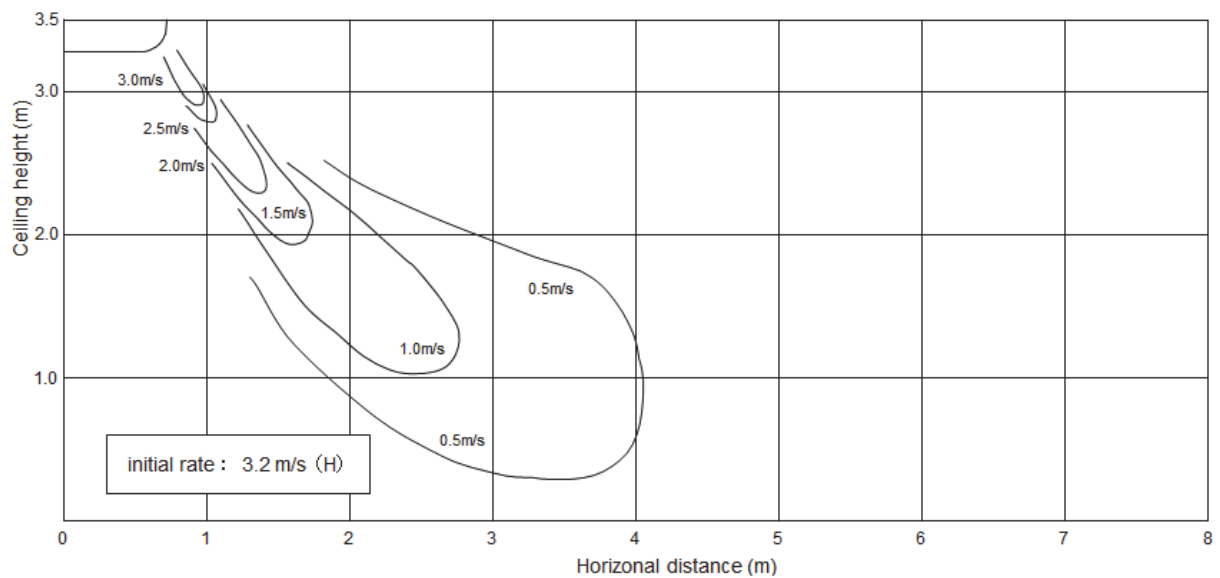
MMC-AP0157HP-E

Cooling



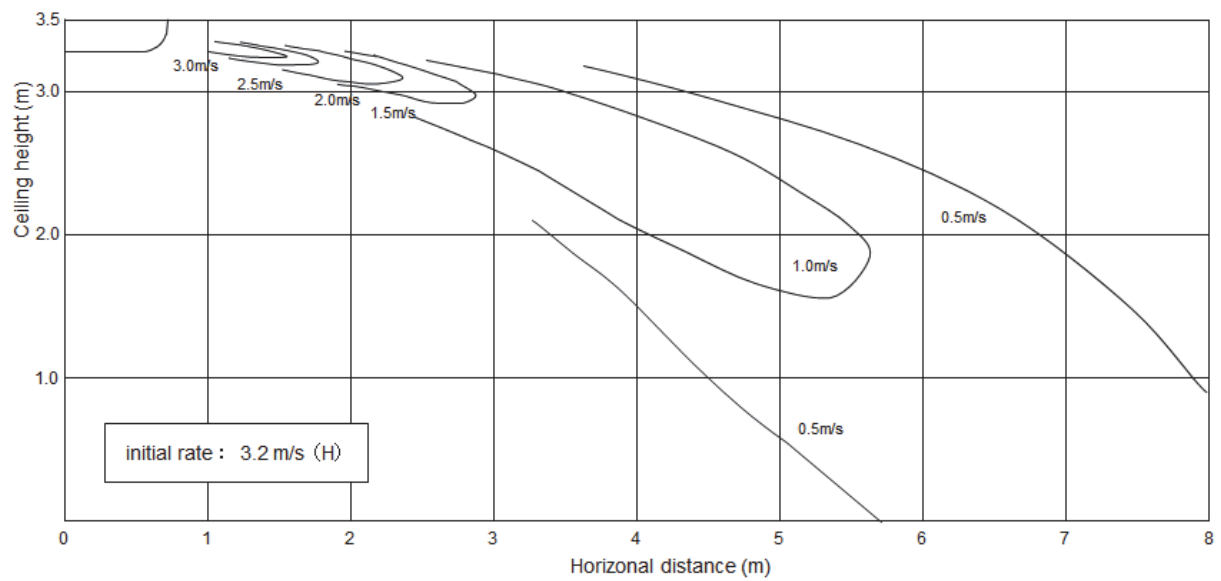
MMC-AP0157HP-E

Heating

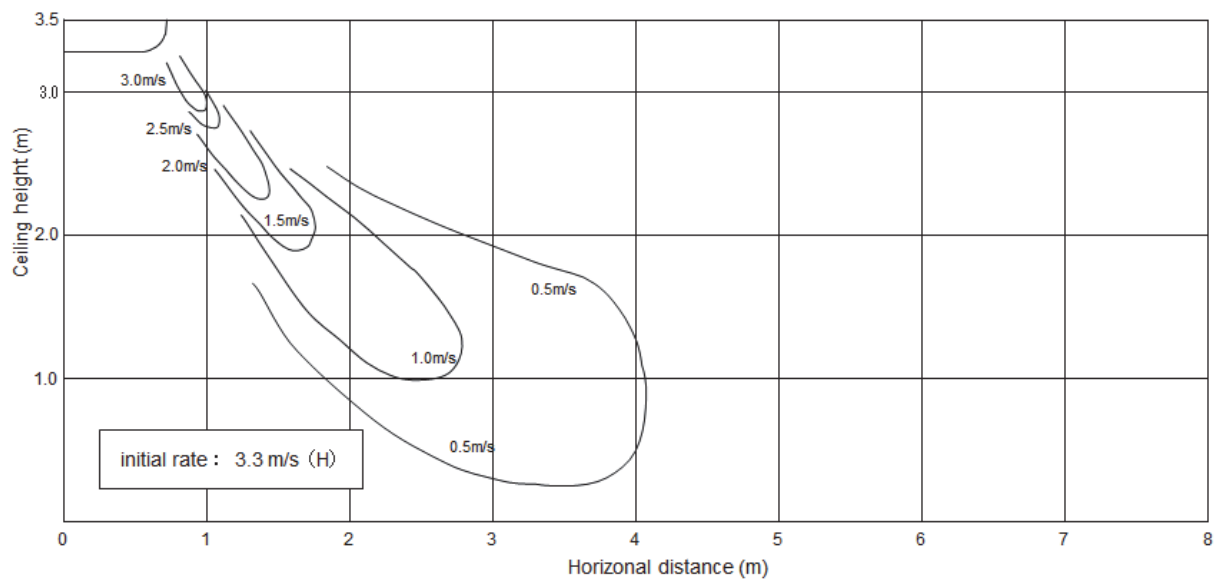


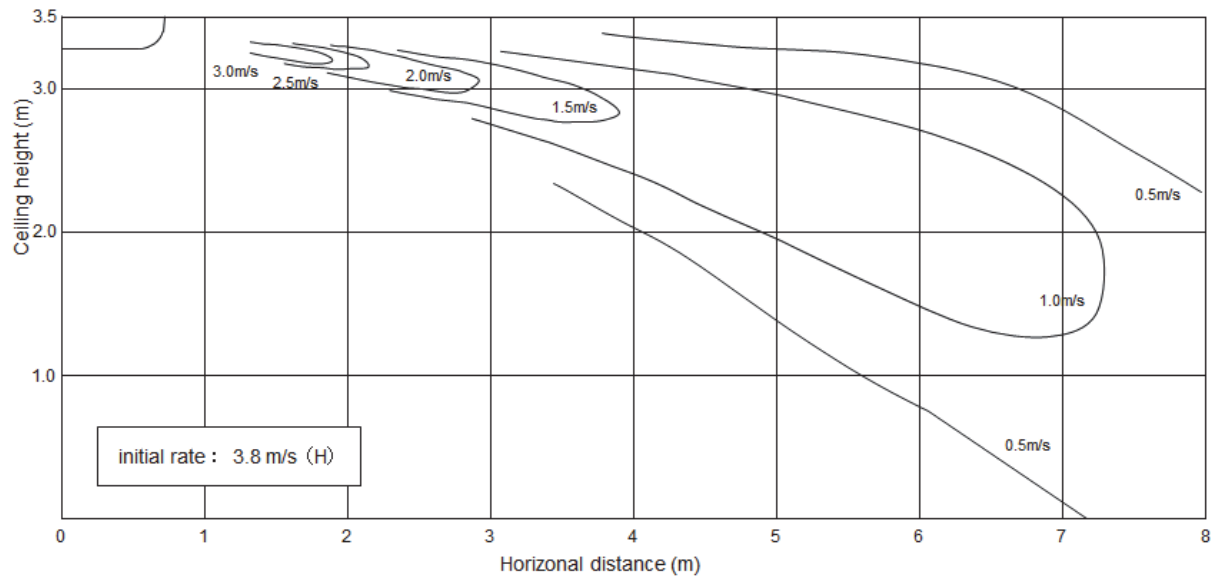
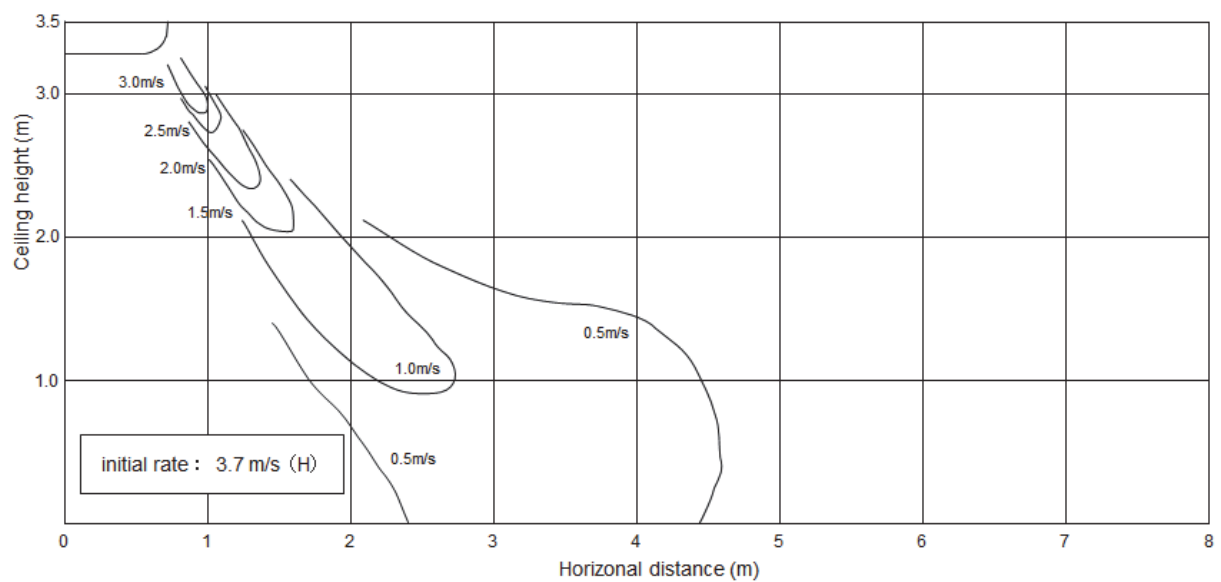
MMC-AP0187HP-E

Cooling

**MMC-AP0187HP-E**

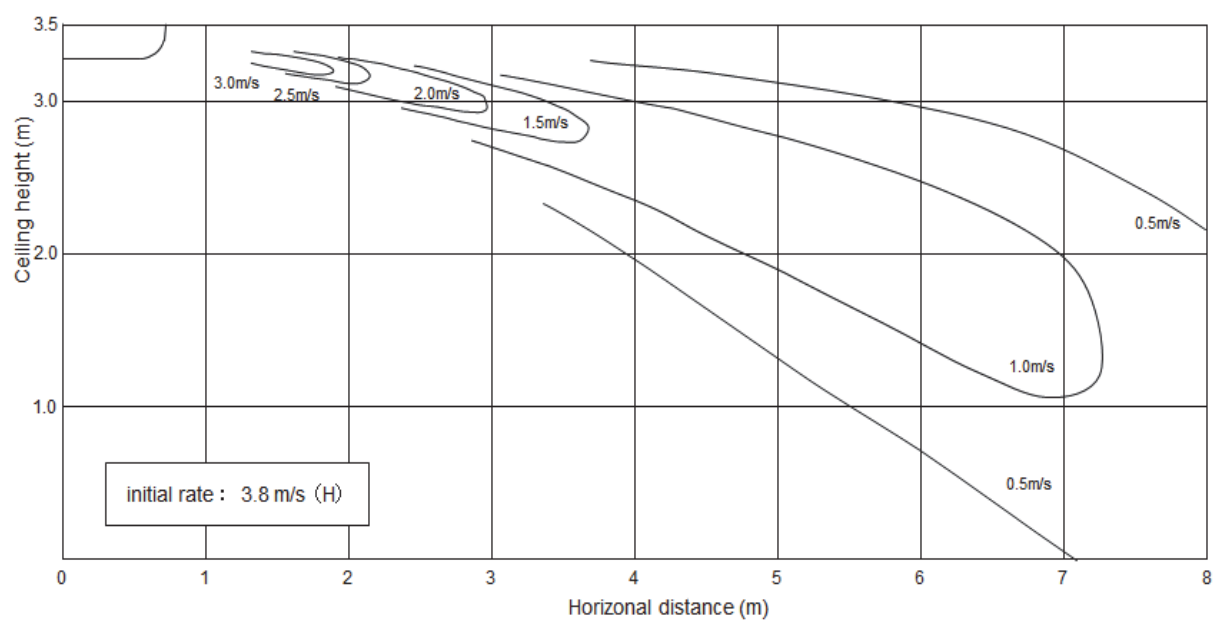
Heating



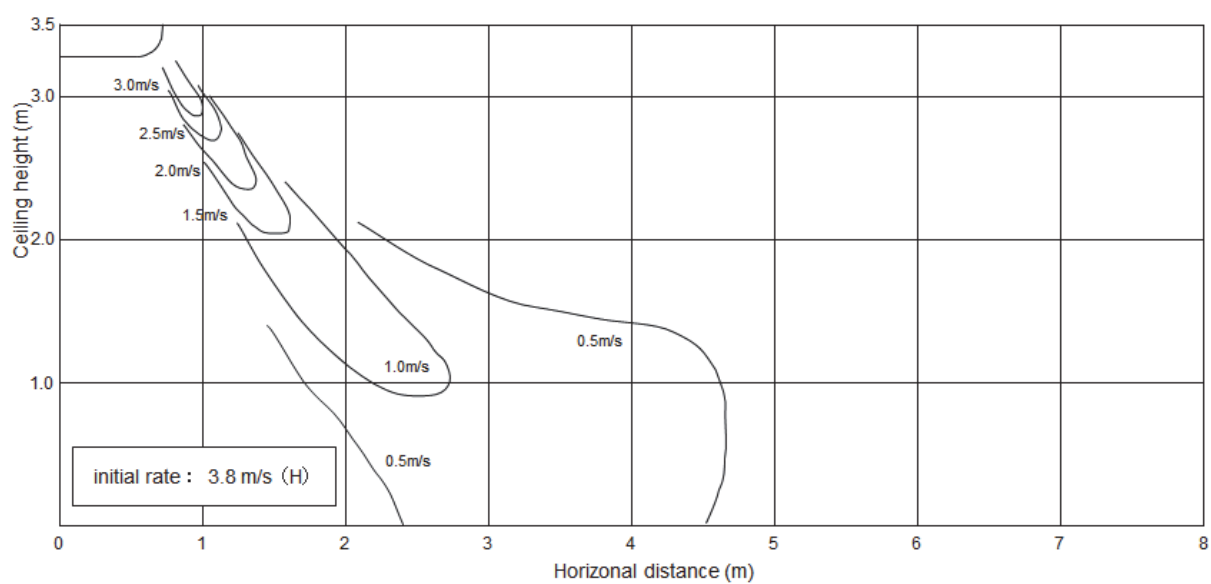
MMC-AP0247HP-E, AP0277HP-E
Cooling**MMC-AP0247HP-E, AP0277HP-E**
Heating

MMC-AP0367HP-E, AP0487HP-E

Cooling

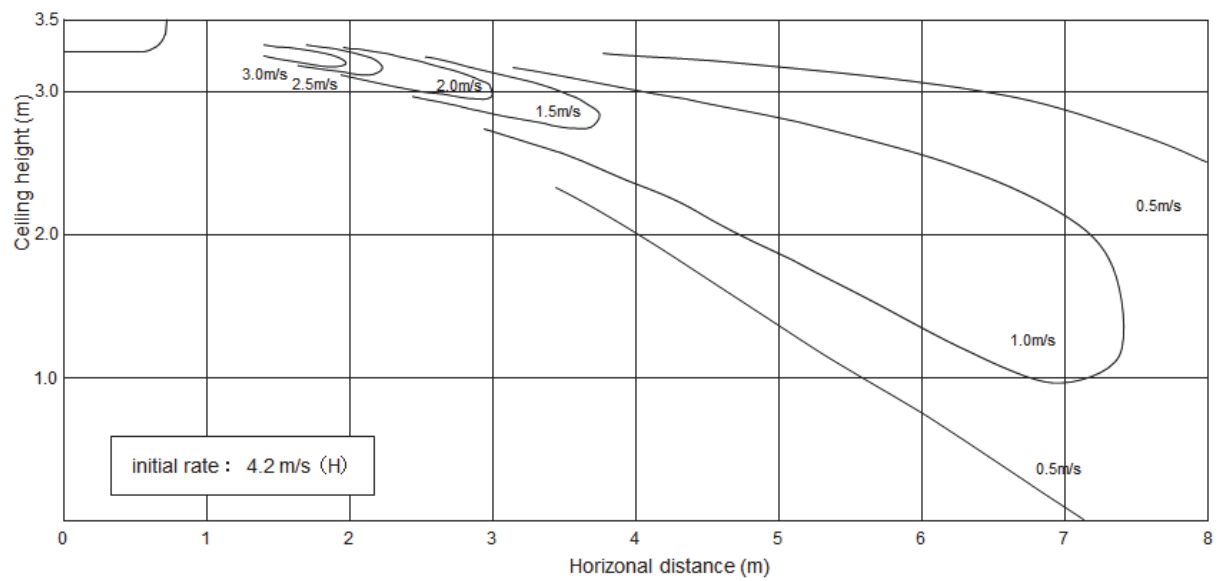
**MMC-AP0367HP-E, AP0487HP-E**

Heating

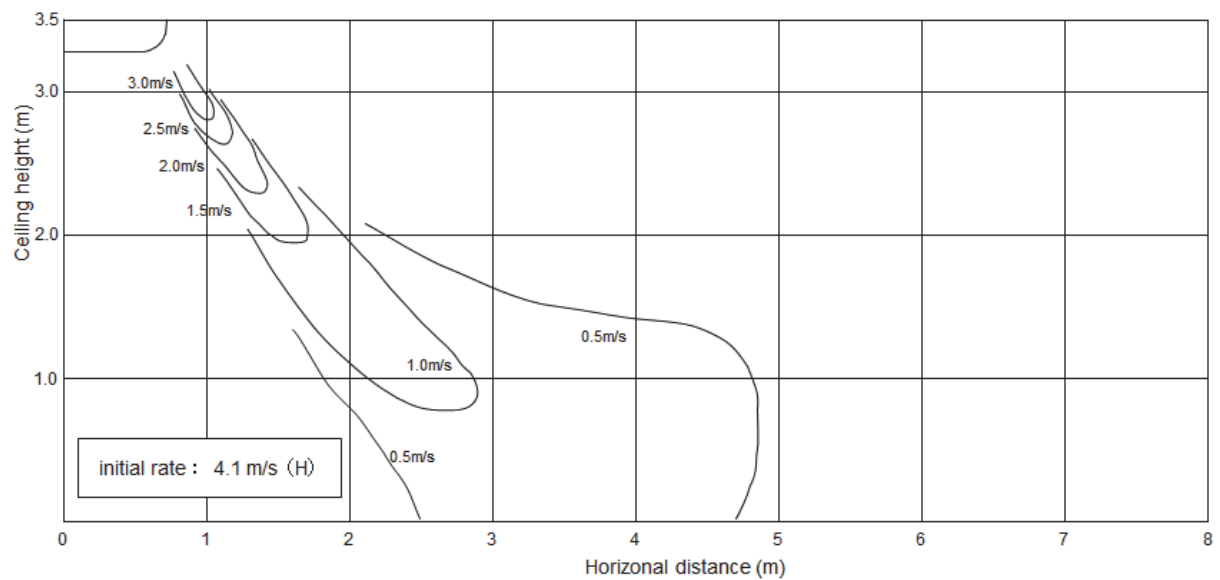


MMC-AP0567HP-E

Cooling

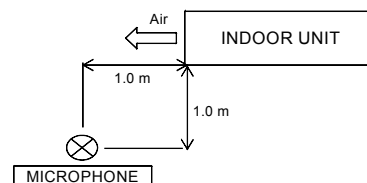
**MMC-AP0567HP-E**

Heating



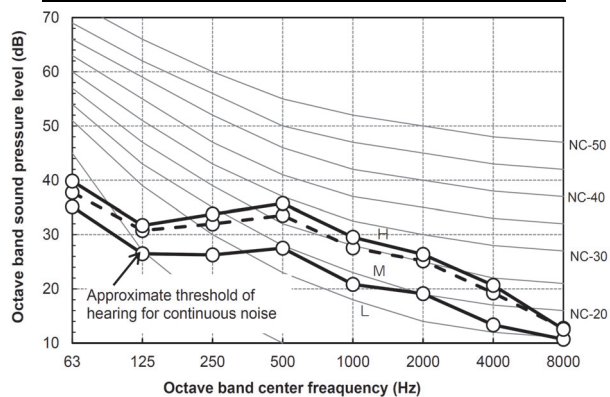
9. Sound data

Sound pressure spectrum



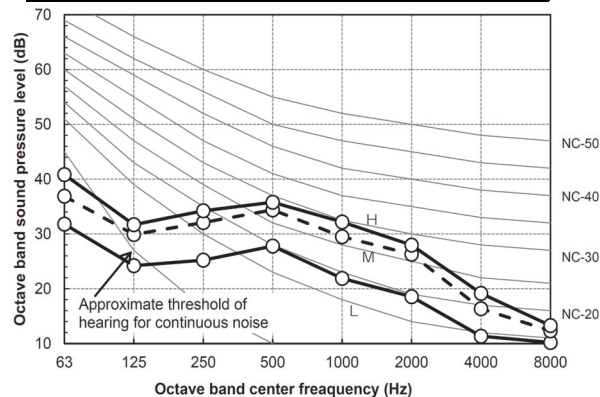
MMC-AP0157HP-E

Fan tap	H	M	L
Sound pressure level (dB(A))	36.0	34.0	28.0



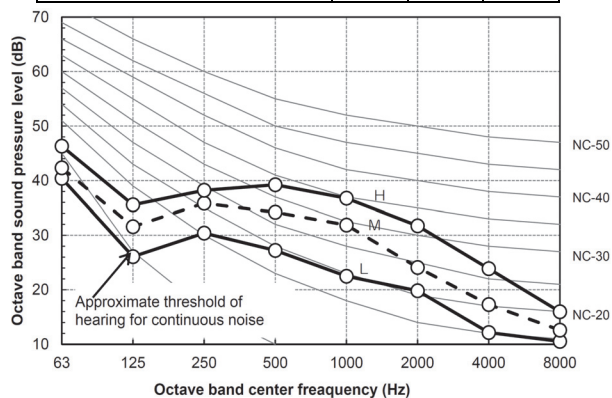
MMC-AP0187HP-E

Fan tap	H	M	L
Sound pressure level (dB(A))	37.0	35.0	28.0



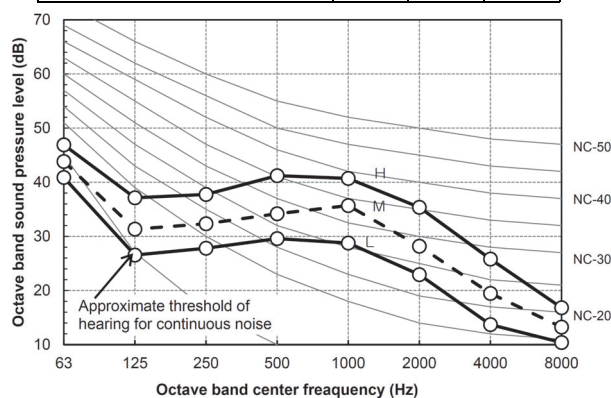
MMC-AP0247HP-E, AP0277HP-E

Fan tap	H	M	L
Sound pressure level (dB(A))	41.0	36.0	29.0



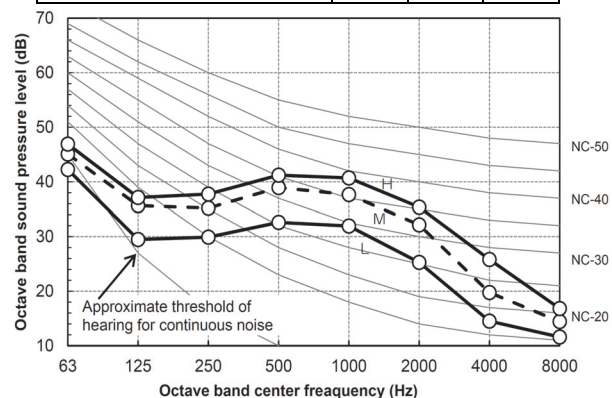
MMC-AP0367HP-E

Fan tap	H	M	L
Sound pressure level (dB(A))	44.0	38.0	32.0



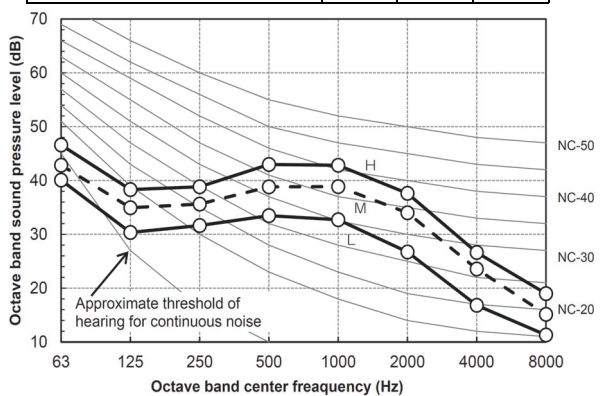
MMC-AP0487HP-E

Fan tap	H	M	L
Sound pressure level (dB(A))	44.0	41.0	35.0



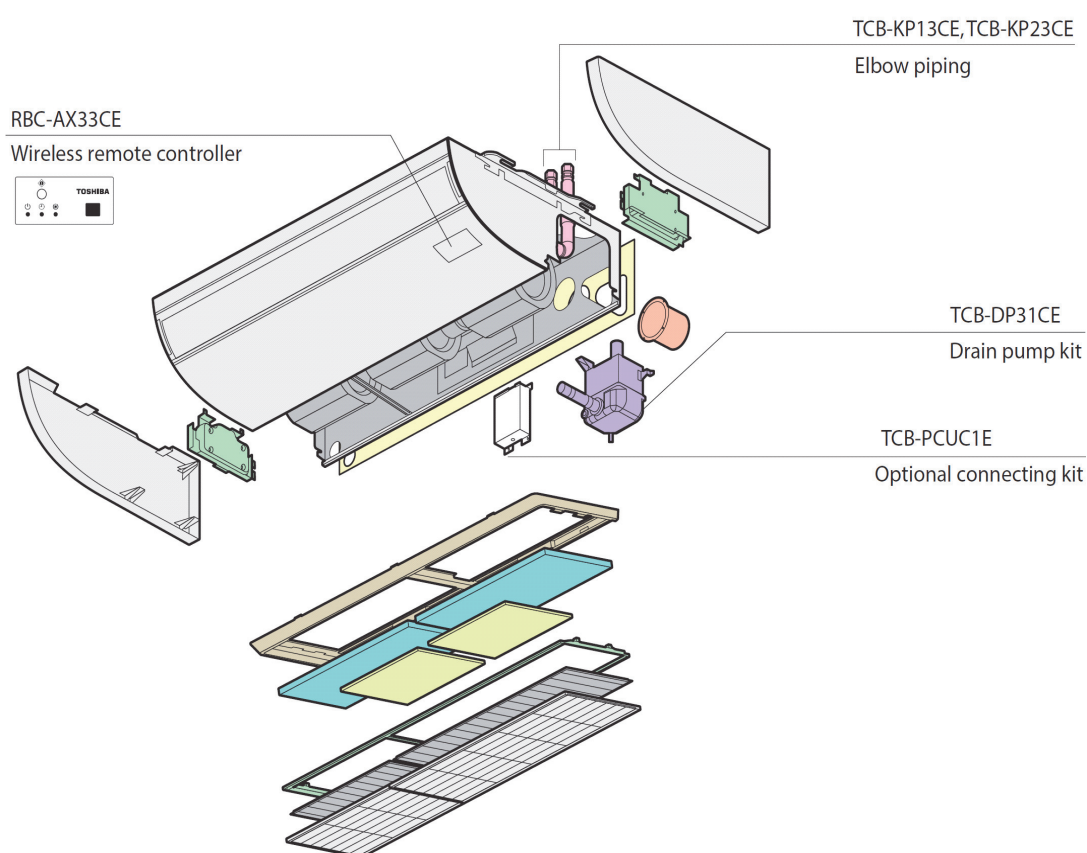
MMC-AP0567HP-E

Fan tap	H	M	L
Sound pressure level (dB(A))	46.0	42.0	36.0



10. Accessories

Parts name	Model name	Applied Model	Feature	Remark
Wireless Remote Controller kit	RBC-AX33CE	MMC-AP0157 to 0567HP-E	-	
Drain pump kit	TCB-DP31CE	MMC-AP0157 to 0567HP-E	Antibacterial glass is built into Drain pump kit	
Elbow piping kit	TCB-KP13CE	MMC-AP0157 to 0187HP-E	It is necessary for installation of Drain pump kit	Use with TCB-DP31CE
	TCB-KP23CE	MMC-AP0247 to 0567HP-E		
Option connecting kit	TCB-PCUC1E	MMC-AP0157 to 0567HP-E	For external I/O signal without local relay preparation	



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