

Cassette ceiling (1-way flow)

PMFY-P-VBM-A

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1. Specifications

			PMFY-P20VBM-A	PMFY-P25VBM-A	PMFY-P32VBM-A	PMFY-P40VBM-A
Power source			~220-240V 50Hz / ~ 200V 60Hz			
Cooling capacity	*1	kW	2.2	2.8	3.6	4.5
	*2	kcal/h	2,000	2,500	3,150	4,000
Heating capacity	*1	kW	2.5	3.2	4.0	5.0
Power consumption	Cooling	kW	0.042	0.044		0.054
	Heating	kW	0.042	0.044		0.054
Current	Cooling	A	0.20	0.21		0.26
	Heating	A	0.20	0.21		0.26
External finish			Panel : 0.98Y8.99/0.63			
Dimension *3	Height	mm	230 (30)			
	Width	mm	854 (1000)			
	Depth	mm	395 (470)			
Net weight *3		kg	14 (3.0)			
Heat exchanger			Cross fin (Aluminum plate fin and copper tube)			
Fan	Type		Line flow fan X 1			
	Airflow rate *3 (Low-Mid2-Mid1-High)	m³/min	6.5-7.2-8.0-8.7	7.3-8.0-8.6-9.3		7.7-8.7-9.7-10.7
	External static pressure	Pa	0			
Motor	Type		Single phase induction motor			
	Output	kW	0.028			
Air filter			PP Honeycomb fabric			
Refrigerant pipe dimension	Gas (Brazing)	mm	ø 12.7			
	Liquid (Brazing)	mm	ø 6.35			
Drain pipe dimension			VP-20			
Noise level (Low-Mid2-Mid1-High)		dB(A)	27-30-33-35	32-34-36-37		33-35-37-39

- Note: *1 Cooling/Heating capacity indicates the maximum value at operation under the following condition.
Cooling : Indoor 27°CDB/19°CWB, Outdoor 35°CDB
Heating : Indoor 20°CDB, Outdoor 7°CDB/6°CWB
- *2 Cooling capacity indicates the maximum value at operation under the following condition.
Cooling : Indoor 27°CDB/19.5°CWB, Outdoor 35°CDB (WR2: water 30°C)
- *3 External dimension / net weight are shown in (panel), and airflow rate/noise level are in (low-middle2-middle1-high).

2. Capacity tables

2-1.Cooling Capacity (In combination with PUMY-125YM(A))

PMFY-P-VBM-A

CA:Capacity(kW)
SHC:Sensible heat Capacity(kW)

Unit size	Outdoor air temp.	Indoor air temp.							
		23°CDB 16°CWB		25°CDB 18°CWB		28°CDB 20°CWB		30°CDB 22°CWB	
		°CDB	CA	SHC	CA	SHC	CA	SHC	CA
20 (2.2)	20.0	2.2	1.9	2.3	1.9	2.4	1.9	2.6	2.0
	22.5	2.1	1.8	2.3	1.9	2.4	1.9	2.6	2.0
	25.0	2.1	1.8	2.3	1.9	2.4	1.9	2.5	2.0
	27.5	2.1	1.8	2.2	1.9	2.4	1.9	2.5	2.0
	30.0	2.1	1.8	2.2	1.9	2.3	1.9	2.5	2.0
	32.5	2.0	1.8	2.2	1.9	2.3	1.9	2.5	1.9
	35.0	2.0	1.8	2.1	1.9	2.3	1.9	2.4	1.9
	37.5	2.0	1.8	2.1	1.9	2.2	1.8	2.4	1.9
	40.0	2.0	1.8	2.1	1.8	2.2	1.8	2.4	1.9
46.0	1.9	1.7	2.0	1.8	2.1	1.8	2.3	1.9	
25 (2.8)	20.0	2.8	2.3	2.9	2.4	3.1	2.4	3.3	2.4
	22.5	2.7	2.3	2.9	2.4	3.1	2.3	3.2	2.4
	25.0	2.7	2.2	2.9	2.4	3.1	2.3	3.2	2.4
	27.5	2.7	2.2	2.8	2.3	3.0	2.3	3.2	2.4
	30.0	2.6	2.2	2.8	2.3	3.0	2.3	3.2	2.4
	32.5	2.6	2.2	2.8	2.3	2.9	2.3	3.1	2.4
	35.0	2.6	2.2	2.7	2.3	2.9	2.3	3.1	2.4
	37.5	2.5	2.2	2.7	2.3	2.9	2.3	3.0	2.3
	40.0	2.5	2.1	2.7	2.3	2.8	2.2	3.0	2.3
46.0	2.4	2.1	2.6	2.2	2.7	2.2	2.9	2.3	
32 (3.6)	20.0	3.6	2.6	3.7	2.7	4.0	2.7	4.2	2.8
	22.5	3.5	2.6	3.7	2.7	4.0	2.7	4.2	2.8
	25.0	3.5	2.6	3.7	2.7	3.9	2.7	4.1	2.8
	27.5	3.4	2.6	3.6	2.7	3.9	2.7	4.1	2.8
	30.0	3.4	2.5	3.6	2.7	3.8	2.6	4.1	2.7
	32.5	3.3	2.5	3.6	2.7	3.8	2.6	4.0	2.7
	35.0	3.3	2.5	3.5	2.6	3.7	2.6	4.0	2.7
	37.5	3.2	2.5	3.5	2.6	3.7	2.6	3.9	2.7
	40.0	3.2	2.5	3.4	2.6	3.6	2.6	3.9	2.7
46.0	3.1	2.4	3.3	2.5	3.5	2.5	3.7	2.6	
40 (4.5)	20.0	4.5	3.2	4.7	3.4	5.0	3.4	5.3	3.4
	22.5	4.4	3.2	4.6	3.3	5.0	3.3	5.2	3.4
	25.0	4.3	3.2	4.6	3.3	4.9	3.3	5.2	3.4
	27.5	4.3	3.2	4.6	3.3	4.9	3.3	5.1	3.4
	30.0	4.2	3.1	4.5	3.3	4.8	3.2	5.1	3.4
	32.5	4.2	3.1	4.4	3.3	4.7	3.2	5.0	3.3
	35.0	4.1	3.1	4.4	3.2	4.7	3.2	5.0	3.3
	37.5	4.1	3.0	4.3	3.2	4.6	3.2	4.9	3.3
	40.0	4.0	3.0	4.3	3.2	4.5	3.1	4.8	3.2
46.0	3.8	2.9	4.1	3.1	4.3	3.0	4.6	3.2	

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2-2.Heating Capacity (In combination with PUMY-125YM(A))

PMFY-P-VBM-A

SHC:Sensible heat Capacity(kW)

Unit size	Outdoor air temp.	Indoor air temp.:°CDB		
		15.0	20.0	25.0
		°CWB	SHC	SHC
20	-12.0	1.6	1.6	1.5
	-10.0	1.7	1.6	1.6
	-5.0	1.9	1.9	1.9
	0.0	2.2	2.1	2.1
	2.5	2.3	2.3	2.3
	6.0	2.5	2.5	2.5
	7.5	2.6	2.6	2.5
	10.0	2.8	2.7	2.5
	12.5	2.9	2.8	2.5
	15.5	3.1	2.8	2.5
	25	-12.0	2.0	2.0
-10.0		2.1	2.1	2.1
-5.0		2.4	2.4	2.4
0.0		2.8	2.8	2.7
2.5		3.0	2.9	2.9
6.0		3.2	3.2	3.2
7.5		3.3	3.3	3.2
10.0		3.5	3.5	3.2
12.5		3.7	3.5	3.2
15.5		3.9	3.5	3.2
Unit size		Outdoor air temp.	Indoor air temp.:°CDB	
	15.0		20.0	25.0
	°CWB		SHC	SHC
32	-12.0	2.5	2.5	2.5
	-10.0	2.7	2.6	2.6
	-5.0	3.1	3.0	3.0
	0.0	3.5	3.4	3.4
	2.5	3.7	3.7	3.6
	6.0	4.0	4.0	3.9
	7.5	4.2	4.1	4.0
40	-12.0	3.2	3.1	3.1
	-10.0	3.4	3.3	3.2
	-5.0	3.8	3.8	3.7
	0.0	4.3	4.3	4.2
	2.5	4.6	4.6	4.5
	6.0	5.0	5.0	4.9
	7.5	5.2	5.2	5.0
40	-12.0	3.2	3.1	3.1
	-10.0	3.4	3.3	3.2
	-5.0	3.8	3.8	3.7
	0.0	4.3	4.3	4.2
	2.5	4.6	4.6	4.5
	6.0	5.0	5.0	4.9
	7.5	5.2	5.2	5.0
40	-12.0	3.2	3.1	3.1
	-10.0	3.4	3.3	3.2
	-5.0	3.8	3.8	3.7
	0.0	4.3	4.3	4.2
	2.5	4.6	4.6	4.5
	6.0	5.0	5.0	4.9
	7.5	5.2	5.2	5.0
40	-12.0	3.2	3.1	3.1
	-10.0	3.4	3.3	3.2
	-5.0	3.8	3.8	3.7
	0.0	4.3	4.3	4.2
	2.5	4.6	4.6	4.5
	6.0	5.0	5.0	4.9
	7.5	5.2	5.2	5.0
40	-12.0	3.2	3.1	3.1
	-10.0	3.4	3.3	3.2
	-5.0	3.8	3.8	3.7
	0.0	4.3	4.3	4.2
	2.5	4.6	4.6	4.5
	6.0	5.0	5.0	4.9
	7.5	5.2	5.2	5.0
40	-12.0	3.2	3.1	3.1
	-10.0	3.4	3.3	3.2
	-5.0	3.8	3.8	3.7
	0.0	4.3	4.3	4.2
	2.5	4.6	4.6	4.5
	6.0	5.0	5.0	4.9
	7.5	5.2	5.2	5.0
40	-12.0	3.2	3.1	3.1
	-10.0	3.4	3.3	3.2
	-5.0	3.8	3.8	3.7
	0.0	4.3	4.3	4.2
	2.5	4.6	4.6	4.5
	6.0	5.0	5.0	4.9
	7.5	5.2	5.2	5.0
40	-12.0	3.2	3.1	3.1
	-10.0	3.4	3.3	3.2
	-5.0	3.8	3.8	3.7
	0.0	4.3	4.3	4.2
	2.5	4.6	4.6	4.5
	6.0	5.0	5.0	4.9
	7.5	5.2	5.2	5.0
40	-12.0	3.2	3.1	3.1
	-10.0	3.4	3.3	3.2
	-5.0	3.8	3.8	3.7
	0.0	4.3	4.3	4.2
	2.5	4.6	4.6	4.5
	6.0	5.0	5.0	4.9
	7.5	5.2	5.2	5.0
40	-12.0	3.2	3.1	3.1
	-10.0	3.4	3.3	3.2
	-5.0	3.8	3.8	3.7
	0.0	4.3	4.3	4.2
	2.5	4.6	4.6	4.5
	6.0	5.0	5.0	4.9
	7.5	5.2	5.2	5.0
40	-12.0	3.2	3.1	3.1
	-10.0	3.4	3.3	3.2
	-5.0	3.8	3.8	3.7
	0.0	4.3	4.3	4.2
	2.5	4.6	4.6	4.5
	6.0	5.0	5.0	4.9
	7.5	5.2	5.2	5.0
40	-12.0	3.2	3.1	3.1
	-10.0	3.4	3.3	3.2
	-5.0	3.8	3.8	3.7
	0.0	4.3	4.3	4.2
	2.5	4.6	4.6	4.5
	6.0	5.0	5.0	4.9
	7.5	5.2	5.2	5.0
40	-12.0	3.2	3.1	3.1
	-10.0	3.4	3.3	3.2
	-5.0	3.8	3.8	3.7
	0.0	4.3	4.3	4.2
	2.5	4.6	4.6	4.5
	6.0	5.0	5.0	4.9
	7.5	5.2	5.2	5.0
40	-12.0	3.2	3.1	3.1
	-10.0	3.4	3.3	3.2
	-5.0	3.8	3.8	3.7
	0.0	4.3	4.3	4.2
	2.5	4.6	4.6	4.5
	6.0	5.0	5.0	4.9
	7.5	5.2	5.2	5.0
40	-12.0	3.2	3.1	3.1
	-10.0	3.4	3.3	3.2
	-5.0	3.8	3.8	3.7
	0.0	4.3	4.3	4.2
	2.5	4.6	4.6	4.5
	6.0	5.0	5.0	4.9
	7.5	5.2	5.2	5.0
40	-12.0	3.2	3.1	3.1
	-10.0	3.4	3.3	3.2
	-5.0	3.8	3.8	3.7
	0.0	4.3	4.3	4.2
	2.5	4.6	4.6	4.5
	6.0	5.0	5.0	4.9
	7.5	5.2	5.2	5.0
40	-12.0	3.2	3.1	3.1
	-10.0	3.4	3.3	3.2
	-5.0	3.8	3.8	3.7
	0.0	4.3	4.3	4.2
	2.5	4.6	4.6	4.5
	6.0	5.0	5.0	4.9
	7.5	5.2	5.2	5.0
40	-12.0	3.2	3.1	3.1
	-10.0	3.4	3.3	3.2
	-5.0	3.8	3.8	3.7
	0.0	4.3	4.3	4.2
	2.5	4.6	4.6	4.5
	6.0	5.0	5.0	4.9
	7.5	5.2	5.2	5.0
40	-12.0	3.2	3.1	3.1
	-10.0	3.4	3.3	3.2
	-5.0	3.8	3.8	3.7
	0.0	4.3	4.3	4.2
	2.5	4.6	4.6	4.5
	6.0	5.0	5.0	4.9
	7.5	5.2	5.2	5.0
40	-12.0	3.2	3.1	3.1
	-10.0	3.4	3.3	3.2
	-5.0	3.8	3.8	3.7
	0.0	4.3	4.3	4.2
	2.5	4.6	4.6	4.5
	6.0	5.0	5.0	4.9
	7.5	5.2	5.2	5.0
40	-12.0	3.2	3.1	3.1
	-10.0	3.4	3.3	3.2
	-5.0	3.8	3.8	3.7
	0.0	4.3	4.3	4.2
	2.5	4.6	4.6	4.5
	6.0	5.0	5.0	4

2-3.Cooling Capacity (In combination with PU(H)Y,PURY-(P)200-250YMF-C)

PMFY-P-VBM-A

CA:Capacity(kW)
SHC:Sensible heat Capacity(kW)

Unit size	Outdoor air temp.	Indoor air temp.													
		21.5°CDB 15°CWB		23°CDB 16°CWB		25°CDB 18°CWB		27°CDB 19°CWB		28°CDB 20°CWB		30°CDB 22°CWB		32°CDB 24°CWB	
		°CDB	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA
20 (2.2)	20.0	2.2	1.8	2.2	1.9	2.3	1.9	2.3	1.9	2.4	2.0	2.5	1.9	2.6	1.9
	22.5	2.1	1.8	2.2	1.9	2.3	1.8	2.3	1.9	2.4	2.0	2.4	1.9	2.5	1.9
	25.0	2.1	1.8	2.2	1.9	2.2	1.8	2.3	1.9	2.3	1.9	2.4	1.9	2.5	1.9
	27.5	2.1	1.8	2.1	1.9	2.2	1.8	2.3	1.9	2.3	1.9	2.4	1.9	2.5	1.9
	30.0	2.1	1.8	2.1	1.9	2.2	1.8	2.2	1.9	2.3	1.9	2.4	1.9	2.5	1.8
	32.5	2.0	1.8	2.1	1.8	2.2	1.8	2.2	1.9	2.3	1.9	2.4	1.9	2.4	1.8
	35.0	2.0	1.8	2.1	1.8	2.2	1.8	2.2	1.8	2.2	1.9	2.3	1.9	2.4	1.8
	37.5	2.0	1.8	2.0	1.8	2.1	1.8	2.2	1.8	2.2	1.9	2.3	1.9	2.4	1.8
	40.0	2.0	1.8	2.0	1.8	2.1	1.8	2.2	1.8	2.2	1.9	2.3	1.9	2.4	1.8
43.0	2.0	1.7	2.0	1.8	2.1	1.8	2.1	1.8	2.2	1.9	2.3	1.8	2.3	1.8	
25 (2.8)	20.0	2.7	2.3	2.8	2.3	2.9	2.3	3.0	2.3	3.0	2.4	3.1	2.3	3.2	2.3
	22.5	2.7	2.2	2.8	2.3	2.9	2.3	2.9	2.3	3.0	2.4	3.1	2.3	3.2	2.3
	25.0	2.7	2.2	2.7	2.3	2.9	2.3	2.9	2.3	3.0	2.4	3.1	2.3	3.2	2.3
	27.5	2.7	2.2	2.7	2.3	2.8	2.2	2.9	2.3	2.9	2.4	3.1	2.3	3.2	2.3
	30.0	2.6	2.2	2.7	2.3	2.8	2.2	2.9	2.3	2.9	2.4	3.0	2.3	3.1	2.2
	32.5	2.6	2.2	2.7	2.3	2.8	2.2	2.8	2.3	2.9	2.3	3.0	2.3	3.1	2.2
	35.0	2.6	2.2	2.6	2.3	2.7	2.2	2.8	2.2	2.9	2.3	3.0	2.3	3.1	2.2
	37.5	2.5	2.2	2.6	2.2	2.7	2.2	2.8	2.2	2.8	2.3	2.9	2.3	3.1	2.2
	40.0	2.5	2.2	2.6	2.2	2.7	2.2	2.7	2.2	2.8	2.3	2.9	2.3	3.0	2.2
43.0	2.5	2.1	2.5	2.2	2.7	2.2	2.7	2.2	2.8	2.3	2.9	2.3	3.0	2.2	
32 (3.6)	20.0	3.5	2.6	3.6	2.7	3.7	2.6	3.8	2.6	3.9	2.7	4.0	2.6	4.2	2.6
	22.5	3.5	2.6	3.6	2.7	3.7	2.6	3.8	2.6	3.9	2.7	4.0	2.6	4.1	2.6
	25.0	3.5	2.6	3.5	2.6	3.7	2.6	3.7	2.6	3.8	2.7	4.0	2.6	4.1	2.5
	27.5	3.4	2.6	3.5	2.6	3.6	2.6	3.7	2.6	3.8	2.7	3.9	2.6	4.1	2.5
	30.0	3.4	2.5	3.5	2.6	3.6	2.6	3.7	2.6	3.7	2.7	3.9	2.6	4.0	2.5
	32.5	3.3	2.5	3.4	2.6	3.6	2.5	3.6	2.6	3.7	2.6	3.9	2.6	4.0	2.5
	35.0	3.3	2.5	3.4	2.6	3.5	2.5	3.6	2.5	3.7	2.6	3.8	2.6	4.0	2.5
	37.5	3.3	2.5	3.3	2.6	3.5	2.5	3.6	2.5	3.6	2.6	3.8	2.6	3.9	2.5
	40.0	3.2	2.5	3.3	2.5	3.5	2.5	3.5	2.5	3.6	2.6	3.7	2.5	3.9	2.5
43.0	3.2	2.5	3.3	2.5	3.4	2.5	3.5	2.5	3.6	2.6	3.7	2.5	3.8	2.5	
40 (4.5)	20.0	4.4	3.2	4.5	3.3	4.7	3.2	4.8	3.2	4.9	3.3	5.0	3.2	5.2	3.1
	22.5	4.4	3.2	4.5	3.3	4.6	3.2	4.7	3.2	4.8	3.3	5.0	3.2	5.2	3.1
	25.0	4.3	3.2	4.4	3.2	4.6	3.2	4.7	3.2	4.8	3.3	5.0	3.2	5.1	3.1
	27.5	4.3	3.1	4.4	3.2	4.5	3.1	4.6	3.2	4.7	3.3	4.9	3.2	5.1	3.1
	30.0	4.2	3.1	4.3	3.2	4.5	3.1	4.6	3.1	4.7	3.2	4.9	3.2	5.0	3.1
	32.5	4.2	3.1	4.3	3.2	4.5	3.1	4.5	3.1	4.6	3.2	4.8	3.1	5.0	3.1
	35.0	4.1	3.1	4.2	3.1	4.4	3.1	4.5	3.1	4.6	3.2	4.8	3.1	5.0	3.0
	37.5	4.1	3.1	4.2	3.1	4.4	3.1	4.5	3.1	4.5	3.2	4.7	3.1	4.9	3.0
	40.0	4.1	3.0	4.1	3.1	4.3	3.0	4.4	3.1	4.5	3.2	4.7	3.1	4.9	3.0
43.0	4.0	3.0	4.1	3.1	4.3	3.0	4.4	3.0	4.4	3.1	4.6	3.1	4.8	3.0	

PMFY-P-VBM-A

2-4.Heating Capacity (In combination with PU(H)Y,PURY-(P)200-250YMF-C)

PMFY-P-VBM-A

SHC:Sensible heat Capacity(kW)

Unit size	Outdoor air temp.	Indoor air temp.:°CDB			
		15.0	20.0	25.0	27.0
		°CWB	SHC	SHC	SHC
20	-15.0	1.7	1.6	1.6	1.6
	-10.0	1.9	1.9	1.9	1.7
	-5.0	2.1	2.1	2.0	1.7
	0.0	2.4	2.4	2.0	1.7
	2.5	2.5	2.5	2.0	1.7
	6.0	2.5	2.5	2.0	1.7
	7.5	2.6	2.5	2.0	1.7
	10.0	2.8	2.5	2.0	1.7
	12.5	3.0	2.5	2.0	1.7
	15.5	3.0	2.5	2.0	1.7
25	-15.0	2.1	2.1	2.1	2.1
	-10.0	2.4	2.4	2.4	2.2
	-5.0	2.7	2.7	2.5	2.2
	0.0	3.1	3.0	2.5	2.2
	2.5	3.2	3.2	2.5	2.2
	6.0	3.2	3.2	2.5	2.2
	7.5	3.4	3.2	2.5	2.2
	10.0	3.6	3.2	2.5	2.2
	12.5	3.8	3.2	2.5	2.2
	15.5	3.9	3.2	2.5	2.2
32	-15.0	2.7	2.6	2.6	2.6
	-10.0	3.1	3.0	3.0	2.8
	-5.0	3.4	3.4	3.1	2.8
	0.0	3.8	3.8	3.1	2.8
	2.5	4.0	4.0	3.1	2.8
	6.0	4.0	4.0	3.1	2.8
	7.5	4.2	4.0	3.1	2.8
	10.0	4.5	4.0	3.1	2.8
	12.5	4.8	4.0	3.1	2.8
	15.5	4.8	4.0	3.1	2.8
40	-15.0	3.3	3.3	3.3	3.3
	-10.0	3.8	3.8	3.7	3.5
	-5.0	4.3	4.2	3.9	3.5
	0.0	4.8	4.7	3.9	3.5
	2.5	5.0	5.0	3.9	3.5
	6.0	5.1	5.0	3.9	3.5
	7.5	5.3	5.0	3.9	3.5
	10.0	5.6	5.0	3.9	3.5
	12.5	6.0	5.0	3.9	3.5
	15.5	6.1	5.0	3.9	3.5

**2-5.Cooling capacity
(In combination with PUHY-(P)315-400-500-600-650-700-750Y(S)MF-B,Y(S)MC)**

CA:Capacity(kcal/h)

SHC:Sensible heat Capacity(kcal/h)

PMFY-P-VBM-A

Unit size	Outdoor air temp.	Indoor air temp.													
		21.5°CDB 15°CWB		23°CDB 16°CWB		25°CDB 18°CWB		27°CDB 19.5°CWB		28°CDB 20°CWB		30°CDB 22°CWB		32°CDB 24°CWB	
		°CDB	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA
20	20.0	1813	1564	1901	1635	2049	1632	2157	1687	2192	1745	2320	1722	2459	1697
	22.5	1813	1564	1894	1632	2031	1625	2131	1676	2164	1735	2290	1711	2424	1686
	25.0	1799	1557	1876	1624	2008	1615	2105	1666	2137	1724	2259	1700	2389	1674
	27.5	1784	1551	1857	1616	1985	1606	2079	1656	2110	1714	2229	1689	2354	1663
	30.0	1770	1544	1839	1608	1962	1596	2052	1646	2083	1703	2198	1678	2319	1652
	32.5	1755	1538	1821	1600	1939	1587	2026	1636	2055	1693	2167	1668	2285	1640
	35.0	1741	1531	1802	1592	1916	1577	2000	1626	2028	1683	2137	1657	2250	1629
	37.5	1726	1525	1784	1584	1893	1568	1974	1615	2001	1672	2106	1646	2215	1618
	40.0	1712	1518	1766	1576	1870	1559	1948	1605	1974	1662	2076	1636	2180	1607
43.0	1695	1511	1744	1566	1843	1548	1916	1593	1941	1650	2039	1623	2139	1594	
25	20.0	2266	1901	2377	1986	2561	1983	2697	2048	2740	2116	2900	2088	3073	2057
	22.5	2266	1901	2367	1982	2539	1974	2664	2035	2705	2103	2862	2074	3030	2043
	25.0	2248	1893	2345	1972	2510	1962	2631	2022	2671	2090	2824	2060	2986	2028
	27.5	2230	1885	2322	1962	2482	1950	2598	2009	2637	2077	2786	2046	2943	2014
	30.0	2212	1877	2299	1952	2453	1938	2566	1996	2603	2063	2748	2033	2899	2000
	32.5	2194	1868	2276	1942	2424	1926	2533	1983	2569	2050	2709	2019	2856	1985
	35.0	2176	1860	2253	1931	2395	1914	2500	1970	2535	2037	2671	2006	2812	1971
	37.5	2158	1852	2230	1921	2367	1902	2467	1957	2501	2024	2633	1992	2769	1957
	40.0	2140	1844	2207	1911	2338	1891	2434	1945	2467	2011	2595	1979	2725	1943
43.0	2118	1834	2180	1899	2304	1876	2395	1929	2426	1996	2549	1962	2673	1926	
32	20.0	2855	2163	2995	2252	3227	2252	3398	2315	3452	2382	3654	2348	3872	2311
	22.5	2855	2163	2983	2246	3199	2239	3357	2297	3409	2364	3606	2329	3817	2291
	25.0	2833	2152	2954	2233	3163	2223	3315	2280	3366	2346	3558	2310	3763	2272
	27.5	2810	2141	2925	2219	3127	2207	3274	2262	3323	2328	3510	2292	3708	2252
	30.0	2787	2129	2896	2205	3091	2191	3233	2245	3280	2310	3462	2273	3653	2233
	32.5	2765	2118	2868	2191	3055	2175	3191	2228	3237	2293	3414	2255	3598	2214
	35.0	2742	2107	2839	2178	3018	2159	3150	2210	3194	2275	3366	2237	3544	2195
	37.5	2719	2096	2810	2164	2982	2143	3109	2193	3151	2257	3318	2219	3489	2176
	40.0	2696	2085	2781	2151	2946	2127	3067	2176	3109	2240	3270	2200	3434	2157
43.0	2669	2072	2746	2135	2902	2108	3018	2156	3057	2219	3212	2179	3368	2134	
40	20.0	3625	2677	3803	2785	4098	2787	4315	2861	4383	2940	4640	2897	4917	2852
	22.5	3625	2677	3788	2778	4063	2770	4262	2839	4329	2917	4579	2873	4848	2826
	25.0	3597	2663	3751	2760	4017	2749	4210	2816	4274	2893	4518	2849	4778	2801
	27.5	3568	2649	3715	2742	3971	2728	4157	2793	4220	2870	4457	2825	4708	2775
	30.0	3539	2634	3678	2725	3925	2707	4105	2771	4165	2847	4396	2801	4639	2750
	32.5	3511	2620	3641	2707	3879	2687	4052	2748	4111	2824	4335	2777	4569	2725
	35.0	3482	2606	3605	2689	3833	2666	4000	2726	4056	2801	4274	2753	4500	2700
	37.5	3453	2591	3568	2672	3787	2645	3948	2703	4002	2778	4213	2730	4430	2675
	40.0	3424	2577	3531	2654	3741	2625	3895	2681	3947	2756	4152	2706	4361	2651
43.0	3389	2560	3487	2633	3686	2600	3832	2655	3882	2729	4078	2678	4277	2621	

PMFY-P-VBM-A

2-6.Heating capacity
(In combination with PUHY-(P)315-400-500-600-650-700-750Y(S)MF-B,Y(S)MC)

PMFY-P-VBM-A

SHC:Sensible heat Capacity(kcal/h)

Unit size	Outdoor air temp.	Indoor air temp.:°CDB			
		15	21	25	27
	°CWB	SHC	SHC	SHC	SHC
20	-15.0	1555	1532	1509	1500
	-10.0	1774	1751	1728	1601
	-5.0	1994	1970	1809	1601
	0.0	2213	2190	1809	1601
	2.5	2322	2250	1809	1601
	6.0	2343	2250	1809	1601
	7.5	2441	2250	1809	1601
	10.0	2605	2250	1809	1601
	12.5	2769	2250	1809	1601
	15.5	2807	2250	1809	1601
25	-15.0	1935	1907	1878	1866
	-10.0	2208	2179	2151	1992
	-5.0	2481	2452	2252	1992
	0.0	2754	2725	2252	1992
	2.5	2890	2800	2252	1992
	6.0	2915	2800	2252	1992
	7.5	3038	2800	2252	1992
	10.0	3242	2800	2252	1992
	12.5	3446	2800	2252	1992
	15.5	3493	2800	2252	1992

Unit size	Outdoor air temp.	Indoor air temp.:°CDB			
		15	21	25	27
	°CWB	SHC	SHC	SHC	SHC
32	-15.0	2454	2417	2381	2366
	-10.0	2800	2763	2727	2525
	-5.0	3146	3109	2855	2525
	0.0	3491	3455	2855	2525
	2.5	3664	3550	2855	2525
	6.0	3696	3550	2855	2525
	7.5	3852	3550	2855	2525
	10.0	4111	3550	2855	2525
	12.5	4370	3550	2855	2525
	15.5	4428	3550	2855	2525
40	-15.0	3111	3064	3018	2999
	-10.0	3549	3503	3456	3201
	-5.0	3987	3941	3619	3201
	0.0	4426	4379	3619	3201
	2.5	4645	4500	3619	3201
	6.0	4686	4500	3619	3201
	7.5	4883	4500	3619	3201
	10.0	5211	4500	3619	3201
	12.5	5539	4500	3619	3201
	15.5	5613	4500	3619	3201

2-7.Cooling Capacity (In combination with PQRV-P200-250YMF-B)

PMFY-P-VBM-A

CA:Capacity(kcal/h)
SHC:Sensible heat Capacity(kcal/h)

Unit size	Water temp.	Indoor air temp.													
		21.5°CDB 15°CWB		23°CDB 16°CWB		25°CDB 18°CWB		27°CDB 19.5°CWB		28°CDB 20°CWB		30°CDB 22°CWB		32°CDB 24°CWB	
		CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC
20	10	1914	1610	1980	1670	2105	1655	2200	1703	2229	1759	2354	1734	2486	1706
	20	1844	1578	1908	1638	2029	1624	2120	1672	2148	1728	2268	1703	2396	1677
	30	1740	1531	1800	1591	1914	1577	2000	1626	2026	1682	2140	1658	2260	1633
	40	1514	1430	1566	1490	1665	1477	1740	1527	1763	1583	1862	1562	1966	1539
	45	1427	1392	1476	1451	1569	1439	1640	1489	1661	1546	1755	1526	1853	1503
25	10	2393	1960	2475	2031	2632	2013	2750	2069	2786	2135	2943	2103	3108	2069
	20	2306	1920	2385	1990	2536	1973	2650	2029	2684	2095	2836	2064	2995	2031
	30	2175	1860	2250	1930	2393	1913	2500	1970	2533	2036	2675	2007	2825	1975
	40	1892	1732	1958	1802	2081	1786	2175	1845	2203	1911	2327	1885	2458	1857
	45	1784	1684	1845	1754	1962	1739	2050	1798	2077	1864	2194	1839	2317	1812
32	10	3015	2241	3119	2311	3316	2291	3465	2344	3510	2406	3708	2368	3915	2327
	20	2905	2187	3005	2257	3195	2237	3339	2290	3382	2353	3573	2316	3773	2276
	30	2741	2107	2835	2176	3015	2157	3150	2210	3191	2274	3371	2239	3560	2200
	40	2384	1937	2466	2006	2623	1988	2741	2043	2776	2107	2932	2076	3097	2041
	45	2247	1873	2325	1942	2472	1925	2583	1980	2617	2044	2764	2014	2919	1982
40	10	3828	2780	3960	2863	4211	2838	4400	2899	4457	2972	4708	2924	4972	2872
	20	3689	2709	3816	2792	4058	2768	4240	2829	4295	2902	4537	2856	4791	2805
	30	3480	2605	3600	2687	3828	2664	4000	2726	4052	2799	4280	2756	4520	2707
	40	3028	2385	3132	2466	3330	2445	3480	2508	3525	2583	3724	2544	3932	2501
	45	2854	2303	2952	2384	3139	2363	3280	2427	3323	2502	3510	2465	3706	2424

2-8.Heating Capacity (In combination with PQRV-P200-250YMF-B)

PMFY-P-VBM-A

SHC:Sensible heat Capacity(kcal/h)

Unit size	Water temp.	Indoor air temp.:°CDB			
		15	21	25	27
		SHC	SHC	SHC	SHC
20	10	1951	1913	1549	1377
	20	2295	2250	1823	1620
	30	2295	2250	1823	1620
	40	2387	2340	1895	1685
	45	2616	2565	2078	1847
25	10	2428	2380	1928	1714
	20	2856	2800	2268	2016
	30	2856	2800	2268	2016
	40	2970	2912	2359	2097
	45	3256	3192	2586	2298

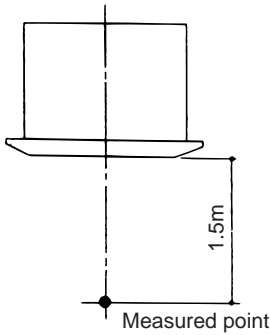
Unit size	Water temp.	Indoor air temp.:°CDB			
		15	21	25	27
		SHC	SHC	SHC	SHC
32	10	3078	3018	2444	2173
	20	3621	3550	2876	2556
	30	3621	3550	2876	2556
	40	3766	3692	2991	2658
	45	4128	4047	3278	2914
40	10	3902	3825	3098	2754
	20	4590	4500	3645	3240
	30	4590	4500	3645	3240
	40	4774	4680	3791	3370
	45	5233	5130	4155	3694

PMFY-P-VBM-A

3. Sound levels

3-1. Noise level

Cassette ceiling (VBM-A series)



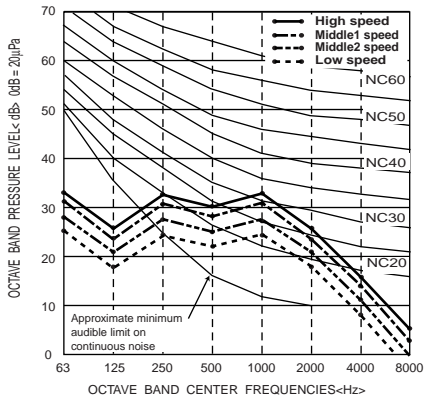
Noise level at anechoic room
(Low-Middle2-Middle1-High)

Unit : dB(A)

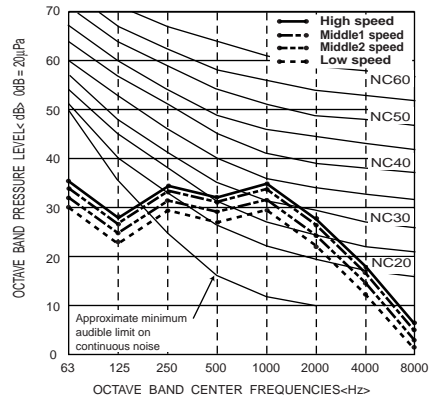
Model	Noise level (A weighted)
PMFY-P20VBM-A	27-30-33-35
PMFY-P25VBM-A PMFY-P32VBM-A	32-34-36-37
PMFY-P40VBM-A	33-35-37-39

3-2. NC curves

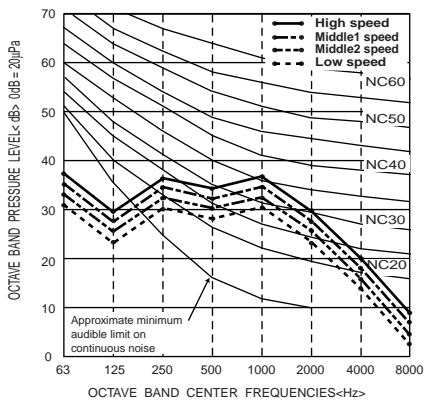
PMFY-P20VBM-A



PMFY-P25,32VBM-A

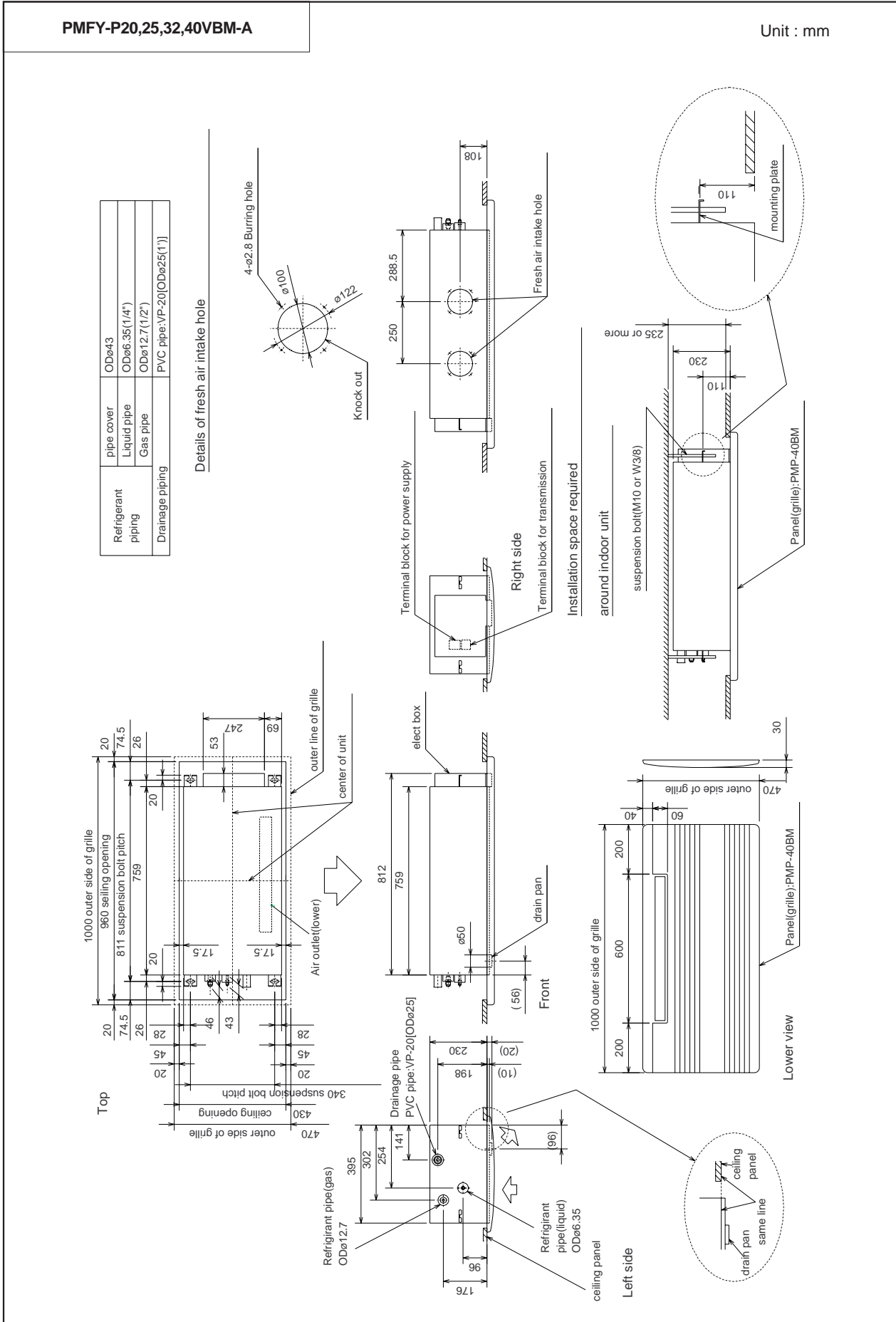


PMFY-P40VBM-A



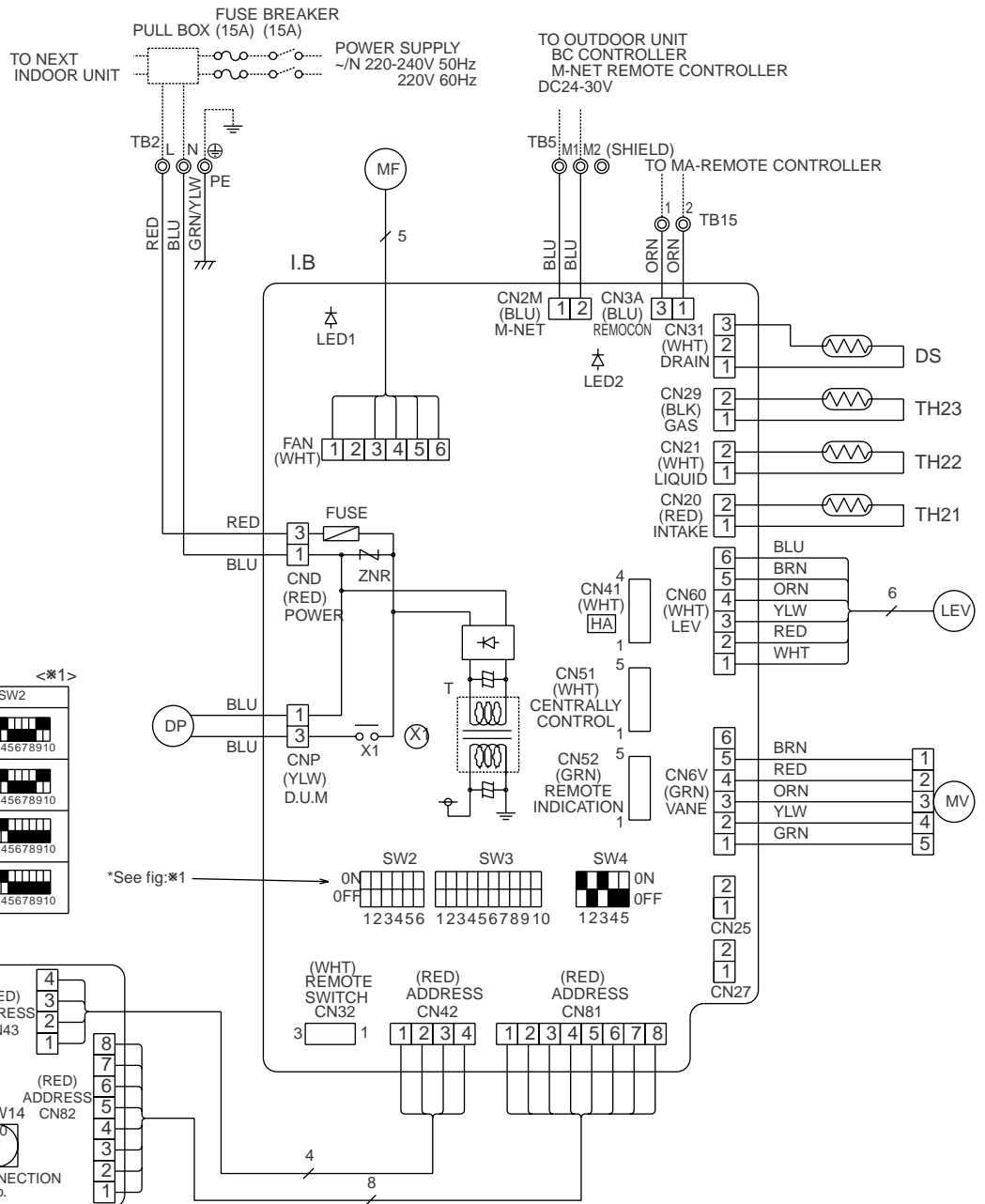
PMFY-P-VBM-A

4. External dimension



PMFY-P-VBM-A

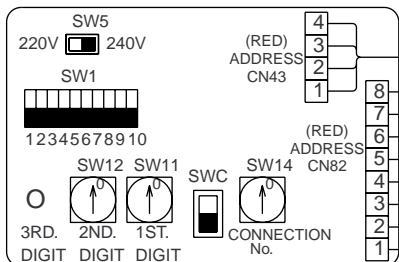
5. Electrical Wiring Diagram



< * 1 >

MODELS	SW2	SW2
P20VBM	ON OFF 123456	ON OFF 12345678910
P25VBM	ON OFF 123456	ON OFF 12345678910
P32VBM	ON OFF 123456	ON OFF 12345678910
P40VBM	ON OFF 123456	ON OFF 12345678910

A.B



- NOTES:
- At servicing for outdoor unit, always follow the wiring diagram of outdoor unit.
 - In case of using MA-Remote controller, please connect to TB15. (Remote controller wire is non-polar.)
 - In case of using M-NET, please connect to TB5. (Transmission line is non-polar.)
 - Symbol[S] of TB5 is the shield wire connection.
 - Symbols used in wiring diagram above are,
 ◎:terminal block, □□:connector.
 - The setting of the SW2 dip switches differs in the capacity. For the detail, see the table below.
 - Please set the switch SW5 according to the power supply voltage.
 Set SW5 to 240V side when the power supply is 230 and 240 volts.
 When the power supply is 220 volts, set SW5 to 220V side.

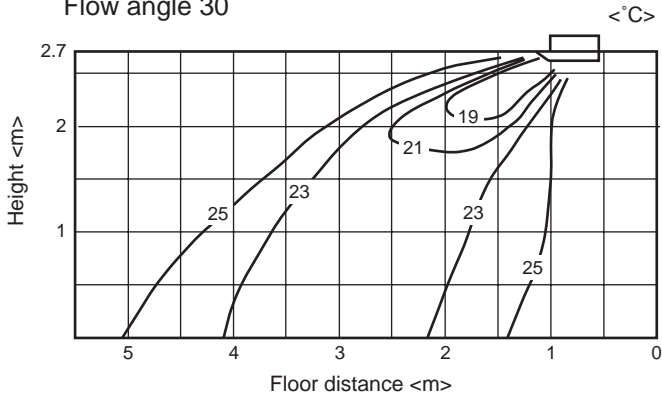
[LEGEND]

SYMBOL	NAME	SYMBOL	NAME
I.B	INDOOR CONTROLLER BOARD	MF	FAN MOTOR
CN25	CONNECTOR HUMIDIFIER	MV	VANE MOTOR
CN27	DAMPER	DP	DRAIN WATER LIFTING-UP MACH.
CN32	REMOTE SWITCH	DS	DRAIN SENSOR
CN41	HA TERMINAL-A	TB2	TERMINAL POWER SUPPLY
CN51	CENTRALLY CONTROL	TB5	BLOCK TRANSMISSION
CN52	REMOTE INDICATION	TB15	MA-REMOTE CONTROLLER
SW2	SWITCH CAPACITY CODE	TH21	THERMISTOR ROOM TEMP.DETECTION (0°C/15kΩ ,25°C/5.4kΩ)
SW3	MODE SELECTION	TH22	PIPE TEMP.DETECTION/LIQUID (0°C/15kΩ ,25°C/5.4kΩ)
SW4	MODEL SELECTION	TH23	PIPE TEMP.DETECTION/GAS (0°C/15kΩ ,25°C/5.4kΩ)
ZNR	VARIATOR	LEV	LINEAR EXPANSION VALVE
FUSE	FUSE(6.3A/250V)		
X1	AUX.RELAY DRAIN PUMP		
T	TRANSFORMER		
LED1	POWER SUPPLY(L.B)		
LED2	POWER SUPPLY(R.B)		
A.B	CIRCUIT BOARD		
SW1	SWITCH MODE SELECTION		
SW5	VOLTAGE SELECTION		
SW11	ADDRESS SETTING 1ST DIGIT		
SW12	ADDRESS SETTING 2ND DIGIT		
SW14	CONNECTION NO.		

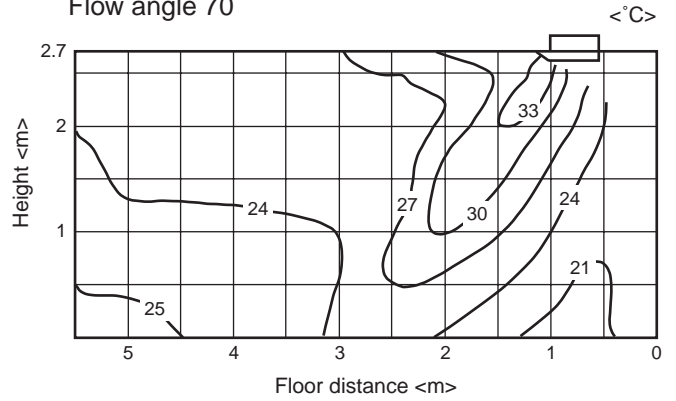
6. Temperature/Airflow distribution

● Temperature distribution

<Cooling mode>
Flow angle 30°

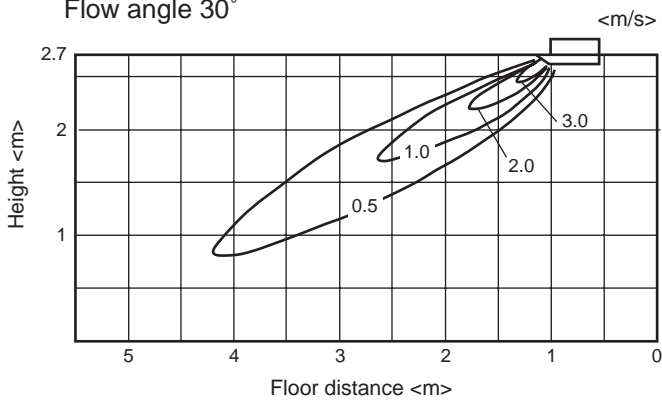


<Heating mode>
Flow angle 70°

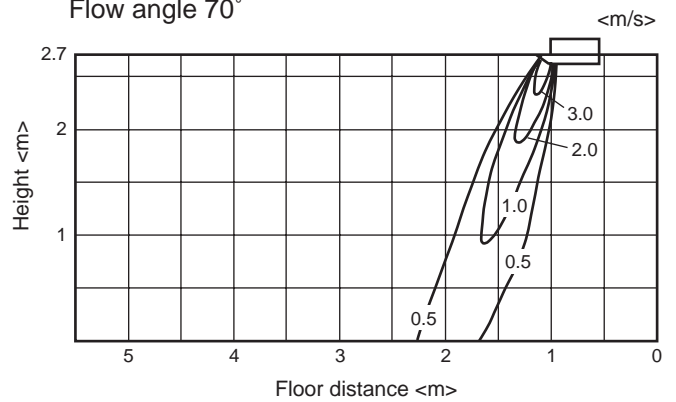


● Airflow distribution

<Fan mode>
Flow angle 30°



<Fan mode>
Flow angle 70°



PMFY-P-VBM-A

7. Options

Description	Model	Applicable capacity
Decoration panel	PMP-40BM	P20/P25/P32/P40