PMFY-P-VBM-E

PMFY-P-VBM-E

Cassette ceiling	P20	P25	P32	P40	P50	P63	P71	P80	P100	P125	P140	P200	P250
	0.8HP	1.0HP	1.3HP	1.6HP	2.0HP	2.5HP	2.8HP	3.2HP	4.0HP	5.0HP	5.6HP	8.0HP	10.0HP
PMFY-P-VBM-E	●	●	●	●									

1. SPECIFICATIONS

Model			PMFY-P20VBM-E	PMFY-P25VBM-E	PMFY-P32VBM-E	PMFY-P40VBM-E
Power source			1-phase 220-240V 50Hz, 1-phase 220V 60Hz			
Cooling capacity (Nominal)	✻1	kW	2.2	2.8	3.6	4.5
	✻1	kcal / h	1,900	2,400	3,100	3,900
	✻1	Btu / h	7,500	9,600	12,300	15,400
	✻2	kcal / h	2,000	2,500	3,150	4,000
	Power input	kW	0.042	0.044	0.044	0.054
	Current input	A	0.20	0.21	0.21	0.26
Heating capacity (Nominal)	✻3	kW	2.5	3.2	4.0	5.0
	✻3	kcal / h	2,200	2,800	3,400	4,300
	✻3	Btu / h	8,500	10,900	13,600	17,100
	Power input	kW	0.042	0.044	0.044	0.054
	Current input	A	0.20	0.21	0.21	0.26
External finish			Galvanized, with grey insulation sheet			
External dimension H x W x D		mm	230 x 812 x 395			
		in.	9-1/16" x 32" x 15-9/16"			
Net weight		kg (lb)	14 (31)			
Decoration panel	Model		PMP-40BM	PMP-40BM	PMP-40BM	PMP-40BM
	External finish		MUNSELL (0.98Y 8.99/0.63)			
	Dimension H x W x D	mm	30 x 1,000 x 470			
		in.	1-3/16" x 39-3/8" x 18-9/16"			
	Net Weight	kg (lb)	3 (7)			
Heat exchanger			Cross fin (Aluminum fin and copper tube)			
FAN	Type x Quantity		Line flow fan x 1			
	External static press.	Pa	0			
		mmH_2O	0			
	Motor type		1-phase induction motor			
	Motor output	kW	0.028			
	Driving mechanism		Direct-driven by motor			
	Airflow rate (Low-Mid-High)	m^3 / min	6.5 - 7.2 - 8.0 - 8.7	7.3 - 8.0 - 8.6 - 9.3	7.3 - 8.0 - 8.6 - 9.3	7.7 - 8.7 - 9.7 - 10.7
		L / s	108 - 120 - 133 - 145	122 - 133 - 143 - 155	122 - 133 - 143 - 155	128 - 145 - 162 - 178
		cfm	230 - 254 - 283 - 307	258 - 283 - 304 - 328	258 - 283 - 304 - 328	272 - 307 - 343 - 378
Noise level (Low-Mid-High) (measured in anechoic room)		dB <A>	27 - 30 - 33 - 35	32 - 34 - 36 - 37	32 - 34 - 36 - 37	33 - 35 - 37 - 39
Insulation material			Polyester sheet			
Air filter			PP honeycomb fabric			
Protection device			Fuse			
Refrigerant control device			LEV			
Connectable outdoor unit			R410A, R407C, R22 CITY MULTI			
Diameter of refrigerant pipe	Liquid (R410A) (R22, R407C)	mm (in.)	ø6.35 (ø1/4") Flare ø6.35 (ø1/4") Flare	ø6.35 (ø1/4") Flare ø6.35 (ø1/4") Flare	ø6.35 (ø1/4") Flare ø6.35 (ø1/4") Flare	ø6.35 (ø1/4") Flare ø6.35 (ø1/4") Flare
	Gas (R410A) (R22, R407C)	mm (in.)	ø12.7 (ø1/2") Flare ø12.7 (ø1/2") Flare	ø12.7 (ø1/2") Flare ø12.7 (ø1/2") Flare	ø12.7 (ø1/2") Flare ø12.7 (ø1/2") Flare	ø12.7 (ø1/2") Flare ø12.7 (ø1/2") Flare
Diameter of drain pipe		mm (in.)	O.D. ø25 (VP-20)			
Drawing	External		IU-BH01-C184			
	Wiring		IU-RG79-A671			
	Refrigerant cycle					
Standard attachment	Document		Installation Manual, Instruction Book			
	Accessory		Drain hose VP-25 (flexible joint)			
Remark	Optional parts					
	Decoration panel		PMP-40BM	PMP-40BM	PMP-40BM	PMP-40BM
			*PMFY-P-VBM-E should used together with PMP-40BM			
	Installation		Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to			

Note :

✻1 Nominal cooling conditions
Indoor : 27˚CDB/19˚CWB (81˚FDB/66˚FWB)
Outdoor : 35˚CDB (95˚FDB)
Pipe length : 7.5 m (24-9/16 ft)
Level difference : 0 m (0 ft)

✻2 Nominal cooling conditions
27˚CDB/19.5˚CWB (81˚FDB/67˚FWB)
35˚CDB (95˚FDB)
5 m (16-3/8 ft)
0 m (0 ft)

✻3 Nominal heating conditions
20˚CDB (68˚FDB)
7˚CDB/6˚CWB (45˚FDB/43˚FWB)
7.5 m (24-9/16 ft)
0 m (0 ft)

* Nominal conditions ✻1, ✻3 are subject to JIS B8615-1.
* Due to continuing improvement, above specification may be subject to change without notice.

Unit converter
kcal/h = kW x 860
Btu/h = kW x 3,412
cfm = m^3/min x 35.31
lb = kg / 0.4536
*Above specification data is subject to rounding variation.

Ref.: Spec_PMFY-P20VBM-E

2. CAPACITY TABLES

2-1a. Cooling capacity in combination with PUHY,PUY,PURY-P200,250YGM

PMFY-P-VBM-E

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

Model size (Rated kW)	Outdoor air temp.		Indoor air temp.													
			71 °FDB / 59°FWB		73°FDB / 61°FWB		77°FDB / 64°FWB		81°FDB / 66°FWB		82°FDB / 68°FWB		86°FDB / 72°FWB		90°FDB / 75°FWB	
			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	
	°FDB	°CDB	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC
20 (2.2)	68	20.0	2.1	1.7	2.2	1.7	2.3	1.7	2.4	1.8	2.5	1.8	2.6	1.8	2.8	1.8
	73	22.5	2.1	1.7	2.2	1.7	2.3	1.7	2.4	1.8	2.5	1.8	2.6	1.8	2.8	1.8
	77	25.0	2.1	1.7	2.2	1.7	2.3	1.7	2.4	1.8	2.4	1.8	2.6	1.8	2.7	1.8
	82	27.5	2.1	1.7	2.1	1.7	2.3	1.7	2.3	1.7	2.4	1.8	2.5	1.8	2.7	1.8
	86	30.0	2.0	1.7	2.1	1.7	2.2	1.7	2.3	1.7	2.3	1.8	2.5	1.8	2.6	1.7
	91	32.5	2.0	1.6	2.1	1.7	2.2	1.7	2.2	1.7	2.3	1.8	2.4	1.7	2.6	1.7
	95	35.0	2.0	1.6	2.0	1.7	2.1	1.7	2.2	1.7	2.3	1.8	2.4	1.7	2.5	1.7
	100	37.5	1.9	1.6	2.0	1.7	2.1	1.6	2.1	1.7	2.2	1.7	2.3	1.7	2.5	1.7
	104	40.0	1.9	1.6	1.9	1.6	2.1	1.6	2.1	1.7	2.2	1.7	2.3	1.7	2.4	1.7
	110	43.0	1.8	1.6	1.9	1.6	2.0	1.6	2.0	1.6	2.1	1.7	2.2	1.7	2.4	1.7
25 (2.8)	68	20.0	2.7	2.0	2.8	2.1	2.9	2.1	3.0	2.1	3.1	2.2	3.3	2.2	3.5	2.2
	73	22.5	2.7	2.0	2.8	2.1	2.9	2.1	3.0	2.1	3.1	2.2	3.3	2.2	3.5	2.2
	77	25.0	2.7	2.0	2.8	2.1	2.9	2.1	3.0	2.1	3.1	2.2	3.3	2.2	3.5	2.1
	82	27.5	2.6	2.0	2.7	2.1	2.9	2.1	3.0	2.1	3.1	2.2	3.2	2.1	3.4	2.1
	86	30.0	2.6	2.0	2.7	2.1	2.8	2.1	2.9	2.1	3.0	2.2	3.1	2.1	3.3	2.1
	91	32.5	2.5	2.0	2.6	2.1	2.8	2.0	2.8	2.1	2.9	2.1	3.1	2.1	3.3	2.1
	95	35.0	2.5	2.0	2.6	2.0	2.7	2.0	2.8	2.0	2.9	2.1	3.0	2.1	3.2	2.1
	100	37.5	2.5	1.9	2.5	2.0	2.7	2.0	2.7	2.0	2.8	2.1	3.0	2.1	3.1	2.0
	104	40.0	2.4	1.9	2.5	2.0	2.6	2.0	2.7	2.0	2.8	2.1	2.9	2.0	3.1	2.0
	110	43.0	2.4	1.9	2.4	2.0	2.6	1.9	2.6	2.0	2.7	2.0	2.8	2.0	3.0	2.0
32 (3.6)	68	20.0	3.4	2.4	3.5	2.5	3.8	2.5	3.9	2.5	4.0	2.6	4.2	2.6	4.6	2.6
	73	22.5	3.4	2.4	3.5	2.5	3.8	2.5	3.9	2.5	4.0	2.6	4.2	2.6	4.6	2.6
	77	25.0	3.4	2.4	3.5	2.5	3.8	2.5	3.9	2.5	4.0	2.6	4.2	2.6	4.5	2.5
	82	27.5	3.4	2.4	3.5	2.5	3.7	2.5	3.8	2.5	3.9	2.6	4.1	2.5	4.4	2.5
	86	30.0	3.3	2.4	3.4	2.5	3.6	2.4	3.7	2.5	3.8	2.5	4.0	2.5	4.3	2.5
	91	32.5	3.3	2.4	3.4	2.4	3.6	2.4	3.7	2.4	3.8	2.5	4.0	2.5	4.2	2.4
	95	35.0	3.2	2.3	3.3	2.4	3.5	2.4	3.6	2.4	3.7	2.5	3.9	2.4	4.1	2.4
	100	37.5	3.2	2.3	3.2	2.4	3.4	2.3	3.5	2.4	3.6	2.4	3.8	2.4	4.0	2.4
	104	40.0	3.1	2.3	3.2	2.3	3.4	2.3	3.5	2.3	3.6	2.4	3.7	2.4	4.0	2.3
	110	43.0	3.0	2.2	3.1	2.3	3.3	2.3	3.3	2.3	3.5	2.4	3.6	2.3	3.9	2.3
40 (4.5)	68	20.0	4.3	3.0	4.4	3.1	4.7	3.0	4.9	3.1	5.0	3.2	5.3	3.1	5.7	3.1
	73	22.5	4.3	3.0	4.4	3.1	4.7	3.0	4.9	3.1	5.0	3.2	5.3	3.1	5.7	3.1
	77	25.0	4.3	3.0	4.4	3.1	4.7	3.0	4.9	3.1	5.0	3.2	5.3	3.1	5.6	3.1
	82	27.5	4.3	3.0	4.4	3.0	4.6	3.0	4.8	3.0	4.9	3.1	5.2	3.1	5.5	3.0
	86	30.0	4.2	2.9	4.3	3.0	4.6	3.0	4.7	3.0	4.8	3.1	5.0	3.0	5.4	3.0
	91	32.5	4.1	2.9	4.2	3.0	4.5	2.9	4.6	2.9	4.7	3.0	5.0	3.0	5.3	2.9
	95	35.0	4.0	2.8	4.1	2.9	4.4	2.9	4.5	2.9	4.6	3.0	4.9	2.9	5.2	2.9
	100	37.5	3.9	2.8	4.1	2.9	4.3	2.8	4.4	2.8	4.5	3.0	4.8	2.9	5.0	2.8
	104	40.0	3.9	2.8	4.0	2.8	4.2	2.8	4.3	2.8	4.5	2.9	4.7	2.9	5.0	2.8
	110	43.0	3.8	2.7	3.9	2.8	4.1	2.8	4.2	2.8	4.3	2.9	4.5	2.8	4.8	2.8

kcal/h = kW x 860, Btu/h = kW x 3,412

2. CAPACITY TABLES

2-1b. Heating capacity in combination with PUHY,PURY-P200,250YGM

PMFY-P-VBM-E

SHC : Sensible Heat Capacity(kW)

Model size (Rated kW)	Outdoor air temp.		Indoor air temp.			
			59 ˚FDB	68 ˚FDB	77 ˚FDB	81 ˚FDB
			15.0˚CDB	20.0˚CDB	25.0˚CDB	27.0˚CDB
	˚FWB	˚CWB	SHC	SHC	SHC	SHC
20 (2.2)	-4	-20.0	1.3	1.3	1.3	1.3
	5	-15.0	1.6	1.5	1.5	1.5
	14	-10.0	1.8	1.8	1.8	1.7
	23	-5.0	2.1	2.1	2.0	1.8
	32	0.0	2.4	2.4	2.0	1.8
	37	2.5	2.5	2.5	2.0	1.8
	43	6.0	2.6	2.5	2.0	1.8
	46	7.5	2.7	2.5	2.0	1.8
	50	10.0	2.9	2.5	2.0	1.8
	55	12.5	3.0	2.5	2.0	1.8
	60	15.5	3.2	2.5	2.0	1.8
25 (2.8)	-4	-20.0	1.6	1.6	1.6	1.6
	5	-15.0	2.0	2.0	1.9	1.9
	14	-10.0	2.3	2.3	2.2	2.2
	23	-5.0	2.7	2.7	2.6	2.2
	32	0.0	3.0	3.0	2.6	2.2
	37	2.5	3.2	3.2	2.6	2.2
	43	6.0	3.3	3.2	2.6	2.2
	46	7.5	3.4	3.2	2.6	2.2
	50	10.0	3.6	3.2	2.6	2.2
	55	12.5	3.9	3.2	2.6	2.2
	60	15.5	4.1	3.2	2.6	2.2
32 (3.6)	-4	-20.0	2.1	2.0	2.0	2.0
	5	-15.0	2.5	2.4	2.4	2.4
	14	-10.0	2.9	2.9	2.8	2.7
	23	-5.0	3.4	3.3	3.2	2.8
	32	0.0	3.8	3.8	3.2	2.8
	37	2.5	4.0	4.0	3.2	2.8
	43	6.0	4.2	4.0	3.2	2.8
	46	7.5	4.3	4.0	3.2	2.8
	50	10.0	4.6	4.0	3.2	2.8
	55	12.5	4.8	4.0	3.2	2.8
	60	15.5	5.1	4.0	3.2	2.8
40 (4.5)	-4	-20.0	2.6	2.5	2.5	2.5
	5	-15.0	3.1	3.1	3.0	3.0
	14	-10.0	3.7	3.6	3.5	3.4
	23	-5.0	4.2	4.2	4.0	3.5
	32	0.0	4.7	4.7	4.0	3.5
	37	2.5	5.0	5.0	4.0	3.5
	43	6.0	5.2	5.0	4.0	3.5
	46	7.5	5.4	5.0	4.0	3.5
	50	10.0	5.7	5.0	4.0	3.5
	55	12.5	6.0	5.0	4.0	3.5
	60	15.5	6.4	5.0	4.0	3.5

kcal/h = kW x 860, Btu/h = kW x 3,412

2. CAPACITY TABLES

2-2a. Cooling capacity in combination with PUHY,PUY,PURY-P300,350YGM / PUHY,PURY-P400YGM

PMFY-P-VBM-E

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

Model size (Rated kW)	Outdoor air temp.		Indoor air temp.													
			71 °FDB / 59°FWB		73°FDB / 61°FWB		77°FDB / 64°FWB		81°FDB / 66°FWB		82°FDB / 68°FWB		86°FDB / 72°FWB		90°FDB / 75°FWB	
			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	
	°FDB	°CDB	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC
20 (2.2)	68	20.0	2.1	1.7	2.2	1.8	2.4	1.8	2.5	1.8	2.5	1.9	2.7	1.8	2.9	1.8
	73	22.5	2.1	1.7	2.2	1.8	2.3	1.7	2.4	1.8	2.5	1.9	2.6	1.8	2.8	1.8
	77	25.0	2.1	1.7	2.2	1.7	2.3	1.7	2.4	1.8	2.4	1.8	2.6	1.8	2.8	1.8
	82	27.5	2.1	1.7	2.1	1.7	2.3	1.7	2.3	1.7	2.4	1.8	2.5	1.8	2.7	1.8
	86	30.0	2.0	1.7	2.1	1.7	2.2	1.7	2.3	1.7	2.4	1.8	2.5	1.8	2.6	1.7
	91	32.5	2.0	1.6	2.0	1.7	2.2	1.7	2.2	1.7	2.3	1.8	2.4	1.8	2.6	1.7
	95	35.0	2.0	1.6	2.0	1.7	2.1	1.6	2.2	1.7	2.3	1.8	2.4	1.7	2.5	1.7
	100	37.5	1.9	1.6	1.9	1.6	2.1	1.6	2.1	1.7	2.2	1.7	2.4	1.7	2.5	1.7
	104	40.0	1.9	1.6	1.9	1.6	2.0	1.6	2.1	1.7	2.4	1.8	2.3	1.7	2.4	1.7
	110	43.0	1.8	1.6	1.8	1.6	2.0	1.6	2.0	1.6	2.1	1.7	2.2	1.7	2.4	1.7
25 (2.8)	68	20.0	2.7	2.1	2.8	2.1	3.0	2.1	3.1	2.2	3.2	2.3	3.4	2.2	3.6	2.2
	73	22.5	2.7	2.1	2.8	2.1	3.0	2.1	3.1	2.2	3.2	2.2	3.4	2.2	3.6	2.2
	77	25.0	2.7	2.1	2.7	2.1	2.9	2.1	3.0	2.1	3.1	2.2	3.3	2.2	3.5	2.2
	82	27.5	2.6	2.0	2.7	2.1	2.9	2.1	3.0	2.1	3.1	2.2	3.2	2.2	3.4	2.1
	86	30.0	2.6	2.0	2.6	2.1	2.8	2.0	2.9	2.1	3.0	2.2	3.2	2.1	3.4	2.1
	91	32.5	2.5	2.0	2.6	2.0	2.8	2.0	2.9	2.1	2.9	2.1	3.1	2.1	3.3	2.1
	95	35.0	2.5	2.0	2.5	2.0	2.7	2.0	2.8	2.0	2.9	2.1	3.1	2.1	3.2	2.1
	100	37.5	2.5	2.0	2.5	2.0	2.6	2.0	2.7	2.0	2.8	2.1	3.0	2.1	3.2	2.0
	104	40.0	2.4	1.9	2.4	2.0	2.6	2.0	2.7	2.0	3.0	2.2	2.9	2.0	3.1	2.0
	110	43.0	2.4	1.9	2.4	1.9	2.5	1.9	2.6	2.0	2.7	2.0	2.8	2.0	3.0	2.0
32 (3.6)	68	20.0	3.5	2.5	3.6	2.5	3.9	2.5	4.0	2.6	4.2	2.7	4.4	2.6	4.7	2.6
	73	22.5	3.5	2.5	3.6	2.5	3.8	2.5	4.0	2.6	4.1	2.6	4.3	2.6	4.6	2.6
	77	25.0	3.4	2.4	3.5	2.5	3.8	2.5	3.9	2.5	4.0	2.6	4.2	2.6	4.5	2.5
	82	27.5	3.4	2.4	3.5	2.5	3.7	2.5	3.8	2.5	3.9	2.6	4.2	2.5	4.4	2.5
	86	30.0	3.3	2.4	3.4	2.4	3.6	2.4	3.7	2.5	3.9	2.5	4.1	2.5	4.3	2.5
	91	32.5	3.3	2.4	3.3	2.4	3.5	2.4	3.7	2.4	3.8	2.5	4.0	2.5	4.2	2.4
	95	35.0	3.2	2.3	3.3	2.4	3.5	2.3	3.6	2.4	3.7	2.5	3.9	2.4	4.2	2.4
	100	37.5	3.2	2.3	3.2	2.3	3.4	2.3	3.5	2.4	3.6	2.4	3.9	2.4	4.1	2.4
	104	40.0	3.1	2.3	3.1	2.3	3.3	2.3	3.4	2.3	3.9	2.6	3.8	2.4	4.0	2.3
	110	43.0	3.0	2.2	3.0	2.3	3.2	2.2	3.3	2.3	3.4	2.4	3.7	2.3	3.9	2.3
40 (4.5)	68	20.0	4.4	3.0	4.5	3.1	4.9	3.1	5.0	3.1	5.2	3.3	5.5	3.2	5.9	3.2
	73	22.5	4.3	3.0	4.5	3.1	4.8	3.1	5.0	3.1	5.1	3.2	5.4	3.2	5.7	3.1
	77	25.0	4.3	3.0	4.4	3.1	4.7	3.0	4.9	3.1	5.0	3.2	5.3	3.1	5.6	3.1
	82	27.5	4.2	2.9	4.3	3.0	4.6	3.0	4.8	3.0	4.9	3.1	5.2	3.1	5.5	3.0
	86	30.0	4.1	2.9	4.2	3.0	4.5	2.9	4.7	3.0	4.8	3.1	5.1	3.1	5.4	3.0
	91	32.5	4.1	2.9	4.2	2.9	4.4	2.9	4.6	2.9	4.7	3.0	5.0	3.0	5.3	2.9
	95	35.0	4.0	2.8	4.1	2.9	4.3	2.8	4.5	2.9	4.6	3.0	4.9	3.0	5.2	2.9
	100	37.5	4.0	2.8	4.0	2.8	4.3	2.8	4.4	2.8	4.5	3.0	4.8	2.9	5.1	2.9
	104	40.0	3.9	2.8	3.9	2.8	4.2	2.8	4.3	2.8	4.9	3.1	4.7	2.9	5.0	2.8
	110	43.0	3.8	2.7	3.8	2.7	4.1	2.7	4.2	2.8	4.3	2.9	4.6	2.8	4.8	2.8

kcal/h = kW x 860, Btu/h = kW x 3,412

2-2b. Heating capacity in combination with PUHY,PURY-P300,350,400YGM

PMFY-P-VBM-E

SHC : Sensible Heat Capacity(kW)

Model size (Rated kW)	Outdoor air temp.		Indoor air temp.			
			59 ˚FDB	68 ˚FDB	77 ˚FDB	81 ˚FDB
			15.0˚CDB	20.0˚CDB	25.0˚CDB	27.0˚CDB
	˚FWB	˚CWB	SHC	SHC	SHC	SHC
20 (2.2)	-4	-20.0	1.3	1.3	1.3	1.2
	5	-15.0	1.5	1.5	1.5	1.5
	14	-10.0	1.8	1.8	1.7	1.6
	23	-5.0	2.0	2.0	1.9	1.6
	32	0.0	2.3	2.3	1.9	1.6
	37	2.5	2.4	2.4	1.9	1.6
	43	6.0	2.6	2.5	1.9	1.6
	46	7.5	2.7	2.5	1.9	1.6
	50	10.0	2.8	2.5	1.9	1.6
	55	12.5	2.9	2.5	1.9	1.6
	60	15.5	2.9	2.5	1.9	1.6
25 (2.8)	-4	-20.0	1.7	1.6	1.6	1.5
	5	-15.0	1.9	1.9	1.9	1.9
	14	-10.0	2.2	2.2	2.2	2.0
	23	-5.0	2.6	2.6	2.4	2.0
	32	0.0	2.9	2.9	2.4	2.0
	37	2.5	3.1	3.0	2.4	2.0
	43	6.0	3.3	3.2	2.4	2.0
	46	7.5	3.4	3.2	2.4	2.0
	50	10.0	3.5	3.2	2.4	2.0
	55	12.5	3.7	3.2	2.4	2.0
	60	15.5	3.7	3.2	2.4	2.0
32 (3.6)	-4	-20.0	2.1	2.0	2.0	1.9
	5	-15.0	2.4	2.4	2.4	2.3
	14	-10.0	2.8	2.8	2.7	2.6
	23	-5.0	3.2	3.2	3.0	2.6
	32	0.0	3.6	3.6	3.0	2.6
	37	2.5	3.8	3.8	3.0	2.6
	43	6.0	4.1	4.0	3.0	2.6
	46	7.5	4.2	4.0	3.0	2.6
	50	10.0	4.4	4.0	3.0	2.6
	55	12.5	4.6	4.0	3.0	2.6
	60	15.5	4.6	4.0	3.0	2.6
40 (4.5)	-4	-20.0	2.6	2.5	2.5	2.4
	5	-15.0	3.0	3.0	3.0	2.9
	14	-10.0	3.5	3.5	3.4	3.2
	23	-5.0	4.0	4.0	3.8	3.2
	32	0.0	4.5	4.5	3.8	3.2
	37	2.5	4.8	4.7	3.8	3.2
	43	6.0	5.1	5.0	3.8	3.2
	46	7.5	5.3	5.0	3.8	3.2
	50	10.0	5.5	5.0	3.8	3.2
	55	12.5	5.8	5.0	3.8	3.2
	60	15.5	5.8	5.0	3.8	3.2

kcal/h = kW x 860, Btu/h = kW x 3,412

2. CAPACITY TABLES

2-3a. Cooling capacity in combination with PUHY,PURY-P450,500,550,600,650YGM

PMFY-P-VBM-E

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

Model size (Rated kW)	Outdoor air temp.		Indoor air temp.													
			71 °FDB / 59°FWB		73°FDB / 61°FWB		77°FDB / 64°FWB		81°FDB / 66°FWB		82°FDB / 68°FWB		86°FDB / 72°FWB		90°FDB / 75°FWB	
			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	
	°FDB	°CDB	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC
20 (2.2)	68	20.0	2.1	1.7	2.1	1.7	2.3	1.7	2.4	1.8	2.5	1.8	2.6	1.8	2.8	1.8
	73	22.5	2.1	1.7	2.1	1.7	2.3	1.7	2.3	1.7	2.4	1.8	2.6	1.8	2.7	1.8
	77	25.0	2.0	1.7	2.1	1.7	2.2	1.7	2.3	1.7	2.4	1.8	2.6	1.8	2.7	1.8
	82	27.5	2.0	1.7	2.1	1.7	2.2	1.7	2.3	1.7	2.4	1.8	2.5	1.8	2.6	1.7
	86	30.0	2.0	1.6	2.0	1.7	2.2	1.7	2.3	1.7	2.4	1.8	2.5	1.8	2.7	1.8
	91	32.5	2.0	1.6	2.0	1.7	2.2	1.7	2.2	1.7	2.3	1.8	2.5	1.8	2.6	1.7
	95	35.0	2.0	1.6	2.0	1.7	2.1	1.7	2.2	1.7	2.3	1.8	2.5	1.8	2.6	1.7
	100	37.5	1.9	1.6	2.0	1.7	2.1	1.6	2.2	1.7	2.3	1.8	2.4	1.8	2.6	1.7
	104	40.0	1.9	1.6	1.9	1.6	2.1	1.6	2.1	1.7	2.2	1.8	2.4	1.7	2.6	1.7
	110	43.0	1.9	1.6	1.9	1.6	2.1	1.6	2.1	1.7	2.2	1.7	2.4	1.7	2.6	1.7
25 (2.8)	68	20.0	2.6	2.0	2.7	2.1	2.9	2.1	3.0	2.1	3.1	2.2	3.3	2.2	3.5	2.2
	73	22.5	2.6	2.0	2.7	2.1	2.9	2.1	3.0	2.1	3.1	2.2	3.3	2.2	3.5	2.1
	77	25.0	2.6	2.0	2.7	2.1	2.9	2.1	2.9	2.1	3.1	2.2	3.2	2.2	3.5	2.1
	82	27.5	2.6	2.0	2.6	2.1	2.8	2.1	2.9	2.1	3.0	2.2	3.2	2.2	3.4	2.1
	86	30.0	2.5	2.0	2.6	2.0	2.8	2.0	2.9	2.1	3.0	2.2	3.2	2.1	3.4	2.1
	91	32.5	2.5	2.0	2.6	2.0	2.7	2.0	2.8	2.1	3.0	2.2	3.2	2.1	3.4	2.1
	95	35.0	2.5	2.0	2.5	2.0	2.7	2.0	2.8	2.0	2.9	2.1	3.1	2.1	3.3	2.1
	100	37.5	2.5	2.0	2.5	2.0	2.7	2.0	2.8	2.0	2.9	2.1	3.1	2.1	3.3	2.1
	104	40.0	2.4	1.9	2.5	2.0	2.7	2.0	2.7	2.0	2.9	2.1	3.1	2.1	3.3	2.1
	110	43.0	2.4	1.9	2.5	2.0	2.6	2.0	2.7	2.0	2.8	2.1	3.0	2.1	3.2	2.1
32 (3.6)	68	20.0	3.4	2.4	3.5	2.5	3.7	2.5	3.9	2.5	4.0	2.6	4.2	2.6	4.5	2.5
	73	22.5	3.4	2.4	3.5	2.5	3.7	2.5	3.8	2.5	4.0	2.6	4.2	2.6	4.5	2.5
	77	25.0	3.3	2.4	3.4	2.5	3.7	2.4	3.8	2.5	3.9	2.6	4.2	2.5	4.4	2.5
	82	27.5	3.3	2.4	3.4	2.4	3.6	2.4	3.7	2.5	3.9	2.6	4.1	2.5	4.3	2.5
	86	30.0	3.3	2.4	3.3	2.4	3.6	2.4	3.7	2.4	3.9	2.5	4.1	2.5	4.4	2.5
	91	32.5	3.2	2.3	3.3	2.4	3.5	2.4	3.6	2.4	3.8	2.5	4.1	2.5	4.3	2.5
	95	35.0	3.2	2.3	3.3	2.4	3.5	2.4	3.6	2.4	3.7	2.5	4.0	2.5	4.3	2.5
	100	37.5	3.2	2.3	3.2	2.4	3.5	2.3	3.5	2.4	3.7	2.5	4.0	2.5	4.2	2.4
	104	40.0	3.1	2.3	3.2	2.3	3.4	2.3	3.5	2.3	3.7	2.5	4.0	2.5	4.2	2.4
	110	43.0	3.1	2.3	3.2	2.3	3.4	2.3	3.5	2.3	3.6	2.4	3.9	2.4	4.2	2.4
40 (4.5)	68	20.0	4.3	3.0	4.4	3.0	4.7	3.0	4.8	3.0	5.0	3.2	5.3	3.1	5.7	3.1
	73	22.5	4.2	3.0	4.3	3.0	4.6	3.0	4.8	3.0	5.0	3.1	5.3	3.1	5.6	3.1
	77	25.0	4.2	2.9	4.3	3.0	4.6	3.0	4.7	3.0	4.9	3.1	5.2	3.1	5.6	3.0
	82	27.5	4.1	2.9	4.2	3.0	4.5	3.0	4.7	3.0	4.9	3.1	5.2	3.1	5.4	3.0
	86	30.0	4.1	2.9	4.2	2.9	4.5	2.9	4.6	3.0	4.8	3.1	5.1	3.1	5.4	3.0
	91	32.5	4.1	2.9	4.1	2.9	4.4	2.9	4.5	2.9	4.8	3.1	5.1	3.0	5.4	3.0
	95	35.0	4.0	2.8	4.1	2.9	4.4	2.9	4.5	2.9	4.7	3.0	5.0	3.0	5.4	3.0
	100	37.5	4.0	2.8	4.0	2.9	4.3	2.8	4.4	2.9	4.7	3.0	5.0	3.0	5.3	3.0
	104	40.0	3.9	2.8	4.0	2.8	4.3	2.8	4.4	2.8	4.6	3.0	5.0	3.0	5.3	2.9
	110	43.0	3.9	2.8	3.9	2.8	4.2	2.8	4.3	2.8	4.5	3.0	4.9	2.9	5.2	2.9

kcal/h = kW x 860, Btu/h = kW x 3,412

2-3b. Heating capacity in combination with PUHY,PURY-P450,500,550,600,650YGM

PMFY-P-VBM-E

SHC : Sensible Heat Capacity(kW)

Model size (Rated kW)	Outdoor air temp.		Indoor air temp.			
			59 ˚FDB	68 ˚FDB	77 ˚FDB	81 ˚FDB
			15.0˚CDB	20.0˚CDB	25.0˚CDB	27.0˚CDB
	˚FWB	˚CWB	SHC	SHC	SHC	SHC
20 (2.2)	-4	-20.0	1.3	1.3	1.3	1.3
	5	-15.0	1.6	1.5	1.5	1.5
	14	-10.0	1.8	1.8	1.7	1.7
	23	-5.0	2.1	2.0	1.9	1.8
	32	0.0	2.3	2.3	2.0	1.8
	37	2.5	2.4	2.4	2.0	1.8
	43	6.0	2.6	2.5	2.0	1.8
	46	7.5	2.7	2.5	2.0	1.8
	50	10.0	2.8	2.5	2.0	1.8
	55	12.5	2.9	2.5	2.0	1.8
	60	15.5	2.9	2.5	2.0	1.8
25 (2.8)	-4	-20.0	1.7	1.6	1.6	1.6
	5	-15.0	2.0	1.9	1.9	1.9
	14	-10.0	2.3	2.2	2.2	2.1
	23	-5.0	2.6	2.6	2.5	2.3
	32	0.0	2.9	2.9	2.5	2.3
	37	2.5	3.1	3.0	2.5	2.3
	43	6.0	3.3	3.2	2.5	2.3
	46	7.5	3.4	3.2	2.5	2.3
	50	10.0	3.6	3.2	2.5	2.3
	55	12.5	3.7	3.2	2.5	2.3
	60	15.5	3.7	3.2	2.5	2.3
32 (3.6)	-4	-20.0	2.1	2.0	2.0	2.0
	5	-15.0	2.5	2.4	2.4	2.3
	14	-10.0	2.9	2.8	2.7	2.6
	23	-5.0	3.3	3.2	3.1	2.8
	32	0.0	3.7	3.6	3.2	2.8
	37	2.5	3.8	3.8	3.2	2.8
	43	6.0	4.1	4.0	3.2	2.8
	46	7.5	4.2	4.0	3.2	2.8
	50	10.0	4.4	4.0	3.2	2.8
	55	12.5	4.6	4.0	3.2	2.8
	60	15.5	4.6	4.0	3.2	2.8
40 (4.5)	-4	-20.0	2.7	2.6	2.6	2.5
	5	-15.0	3.1	3.0	3.0	2.9
	14	-10.0	3.6	3.5	3.4	3.3
	23	-5.0	4.1	4.0	3.9	3.5
	32	0.0	4.6	4.5	4.0	3.5
	37	2.5	4.8	4.8	4.0	3.5
	43	6.0	5.2	5.0	4.0	3.5
	46	7.5	5.3	5.0	4.0	3.5
	50	10.0	5.6	5.0	4.0	3.5
	55	12.5	5.8	5.0	4.0	3.5
	60	15.5	5.8	5.0	4.0	3.5

kcal/h = kW x 860, Btu/h = kW x 3,412

2. CAPACITY TABLES

2-4a. Cooling capacity in combination with PQHY,PQRY-P200,250YGM, PQHY,PQRY-P400,500YSGM

PMFY-P-VBM-E

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

Model size (Rated kW)	Water temp.		Indoor air temp.													
			71 °FDB / 59°FWB		73°FDB / 61°FWB		77°FDB / 64°FWB		81°FDB / 66°FWB		82°FDB / 68°FWB		86°FDB / 72°FWB		90°FDB / 75°FWB	
			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	
	°F	°C	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC
20 (2.2)	50	10.0	2.2	1.7	2.3	1.8	2.4	1.8	2.5	1.8	2.6	1.9	2.7	1.9	2.9	1.8
	68	20.0	2.1	1.7	2.1	1.7	2.3	1.7	2.4	1.8	2.4	1.8	2.6	1.8	2.7	1.8
	86	30.0	1.9	1.6	2.0	1.7	2.1	1.7	2.2	1.7	2.3	1.8	2.4	1.7	2.5	1.7
	104	40.0	1.7	1.5	1.8	1.6	1.9	1.6	2.0	1.6	2.1	1.7	2.2	1.7	2.3	1.6
	113	45.0	1.6	1.5	1.7	1.5	1.8	1.5	1.9	1.6	1.9	1.6	2.0	1.6	2.2	1.6
25 (2.8)	50	10.0	2.8	2.1	2.9	2.2	3.1	2.2	3.2	2.2	3.3	2.3	3.5	2.2	3.7	2.2
	68	20.0	2.6	2.0	2.7	2.1	2.9	2.1	3.0	2.1	3.1	2.2	3.3	2.2	3.5	2.1
	86	30.0	2.5	1.9	2.5	2.0	2.7	2.0	2.8	2.0	2.9	2.1	3.1	2.1	3.2	2.1
	104	40.0	2.2	1.8	2.3	1.9	2.5	1.9	2.5	1.9	2.6	2.0	2.8	2.0	2.9	2.0
	113	45.0	2.1	1.8	2.1	1.8	2.3	1.8	2.4	1.9	2.4	1.9	2.6	1.9	2.7	1.9
32 (3.6)	50	10.0	3.6	2.5	3.7	2.6	3.9	2.6	4.1	2.6	4.2	2.7	4.5	2.7	4.7	2.6
	68	20.0	3.4	2.4	3.5	2.5	3.7	2.5	3.9	2.5	4.0	2.6	4.2	2.6	4.5	2.5
	86	30.0	3.2	2.3	3.3	2.4	3.5	2.4	3.6	2.4	3.7	2.5	3.9	2.4	4.2	2.4
	104	40.0	2.9	2.2	3.0	2.2	3.2	2.2	3.3	2.2	3.4	2.3	3.6	2.3	3.8	2.3
	113	45.0	2.7	2.1	2.8	2.1	3.0	2.1	3.0	2.2	3.1	2.2	3.3	2.2	3.5	2.2
40 (4.5)	50	10.0	4.5	3.1	4.6	3.2	4.9	3.1	5.1	3.2	5.2	3.3	5.6	3.2	5.9	3.2
	68	20.0	4.2	3.0	4.4	3.0	4.7	3.0	4.8	3.0	5.0	3.2	5.3	3.1	5.6	3.1
	86	30.0	3.9	2.8	4.1	2.9	4.4	2.9	4.5	2.9	4.6	3.0	4.9	3.0	5.2	2.9
	104	40.0	3.6	2.6	3.7	2.7	3.9	2.7	4.1	2.7	4.2	2.8	4.5	2.8	4.7	2.7
	113	45.0	3.3	2.5	3.5	2.6	3.7	2.6	3.8	2.6	3.9	2.7	4.2	2.7	4.4	2.6

kcal/h = kW x 860, Btu/h = kW x 3,412

2. CAPACITY TABLES

2-4b. Heating capacity in combination with PQHY,PQRY-P200,250YGM, PQHY,PQRY-P400,500YSGM

PMFY-P-VBM-E

SHC : Sensible Heat Capacity(kW)

Model size (Rated kW)	Water temp.		Indoor air temp. : ˚CDB				
			59 ˚FDB	66 ˚FDB	68 ˚FDB	77 ˚FDB	81 ˚FDB
			15.0˚CDB	19.0˚CDB	20.0˚CDB	25.0˚CDB	27.0˚CDB
	˚F	˚C	SHC	SHC	SHC	SHC	SHC
20 (2.2)	50	10	2.0	2.0	2.0	1.7	1.5
	68	20	2.5	2.5	2.5	2.1	1.9
	86	30	2.5	2.5	2.5	2.1	1.9
	104	40	2.5	2.5	2.5	2.1	1.9
	113	45	2.5	2.5	2.5	2.1	1.9
25 (2.8)	50	10	2.5	2.5	2.5	2.1	2.0
	68	20	3.2	3.2	3.2	2.7	2.5
	86	30	3.2	3.2	3.2	2.7	2.5
	104	40	3.2	3.2	3.2	2.7	2.5
	113	45	3.2	3.2	3.2	2.7	2.5
32 (3.6)	50	10	3.2	3.2	3.2	2.7	2.4
	68	20	4.0	4.0	4.0	3.4	3.1
	86	30	4.0	4.0	4.0	3.4	3.1
	104	40	4.0	4.0	4.0	3.4	3.1
	113	45	4.0	4.0	4.0	3.4	3.1
40 (4.5)	50	10	4.0	4.0	4.0	3.4	3.1
	68	20	5.0	5.0	5.0	4.2	3.9
	86	30	5.0	5.0	5.0	4.2	3.9
	104	40	5.0	5.0	5.0	4.2	3.9
	113	45	5.0	5.0	5.0	4.2	3.9

kcal/h = kW x 860, Btu/h = kW x 3,412

2. CAPACITY TABLES

2-5a. Cooling capacity in combination with PUMY-P100,125,140YHM

PMFY-P-VBM-E

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

Model size (Rated kW)	Outdoor air temp.		Indoor air temp.													
			71 °FDB / 59°FWB		73°FDB / 61°FWB		77°FDB / 64°FWB		81°FDB / 66°FWB		82°FDB / 68°FWB		86°FDB / 72°FWB		90°FDB / 75°FWB	
			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	
	°FDB	°CDB	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC
20 (2.2)	68	20.0	2.1	1.7	2.2	1.7	2.3	1.7	2.4	1.8	2.4	1.8	2.6	1.8	2.7	1.8
	73	22.5	2.1	1.6	2.1	1.7	2.3	1.7	2.3	1.8	2.4	1.8	2.5	1.8	2.7	1.8
	77	25.0	2.0	1.6	2.1	1.7	2.2	1.7	2.3	1.8	2.4	1.8	2.5	1.8	2.6	1.8
	82	27.5	2.0	1.6	2.1	1.6	2.2	1.7	2.3	1.7	2.3	1.8	2.5	1.8	2.6	1.7
	86	30.0	2.0	1.6	2.0	1.6	2.2	1.6	2.2	1.7	2.3	1.7	2.4	1.7	2.6	1.7
	91	32.5	1.9	1.5	2.0	1.6	2.1	1.6	2.2	1.7	2.3	1.7	2.4	1.7	2.6	1.7
	95	35.0	1.9	1.5	2.0	1.6	2.1	1.6	2.2	1.7	2.2	1.7	2.4	1.7	2.5	1.7
	100	37.5	1.9	1.5	1.9	1.5	2.1	1.6	2.1	1.7	2.2	1.7	2.4	1.7	2.5	1.7
	104	40.0	1.8	1.4	1.9	1.5	2.0	1.5	2.1	1.6	2.2	1.6	2.3	1.7	2.5	1.7
	110	43.0	1.8	1.4	1.8	1.5	2.0	1.5	2.1	1.6	2.1	1.6	2.3	1.6	2.4	1.6
25 (2.8)	68	20.0	2.7	2.0	2.7	2.1	2.9	2.1	3.0	2.2	3.1	2.2	3.2	2.2	3.4	2.1
	73	22.5	2.6	2.0	2.7	2.0	2.9	2.0	3.0	2.2	3.0	2.2	3.2	2.1	3.4	2.1
	77	25.0	2.6	1.9	2.7	2.0	2.8	2.0	2.9	2.1	3.0	2.1	3.2	2.1	3.3	2.1
	82	27.5	2.6	1.9	2.6	2.0	2.8	2.0	2.9	2.1	3.0	2.1	3.1	2.1	3.3	2.1
	86	30.0	2.5	1.9	2.6	2.0	2.8	2.0	2.9	2.1	2.9	2.1	3.1	2.1	3.3	2.1
	91	32.5	2.5	1.8	2.6	1.9	2.7	1.9	2.8	2.1	2.9	2.1	3.1	2.1	3.2	2.0
	95	35.0	2.4	1.8	2.5	1.9	2.7	1.9	2.8	2.0	2.9	2.0	3.0	2.0	3.2	2.0
	100	37.5	2.4	1.8	2.5	1.8	2.6	1.9	2.7	2.0	2.8	2.0	3.0	2.0	3.2	2.0
	104	40.0	2.3	1.7	2.4	1.8	2.6	1.8	2.7	2.0	2.8	2.0	3.0	2.0	3.2	2.0
	110	43.0	2.3	1.7	2.4	1.8	2.5	1.8	2.6	1.9	2.7	1.9	2.9	1.9	3.1	1.9
32 (3.6)	68	20.0	3.4	2.3	3.5	2.4	3.7	2.4	3.9	2.6	4.0	2.6	4.2	2.5	4.4	2.5
	73	22.5	3.4	2.3	3.5	2.4	3.7	2.4	3.8	2.5	3.9	2.5	4.1	2.5	4.3	2.5
	77	25.0	3.3	2.3	3.4	2.4	3.7	2.4	3.8	2.5	3.9	2.5	4.1	2.5	4.3	2.4
	82	27.5	3.3	2.2	3.4	2.3	3.6	2.3	3.7	2.5	3.8	2.5	4.0	2.4	4.3	2.4
	86	30.0	3.2	2.2	3.3	2.3	3.6	2.3	3.7	2.4	3.8	2.4	4.0	2.4	4.2	2.4
	91	32.5	3.2	2.2	3.3	2.2	3.5	2.3	3.6	2.4	3.7	2.4	4.0	2.4	4.2	2.4
	95	35.0	3.1	2.1	3.2	2.2	3.5	2.2	3.6	2.4	3.7	2.4	3.9	2.4	4.1	2.3
	100	37.5	3.0	2.1	3.2	2.2	3.4	2.2	3.5	2.3	3.6	2.3	3.9	2.3	4.1	2.3
	104	40.0	3.0	2.0	3.1	2.1	3.3	2.1	3.5	2.3	3.6	2.3	3.8	2.3	4.1	2.3
	110	43.0	2.9	2.0	3.0	2.1	3.3	2.1	3.4	2.2	3.5	2.3	3.7	2.3	4.0	2.2
40 (4.5)	68	20.0	4.3	2.8	4.4	2.9	4.7	2.9	4.8	3.1	5.0	3.1	5.2	3.0	5.5	3.0
	73	22.5	4.2	2.8	4.4	2.9	4.6	2.9	4.8	3.1	4.9	3.1	5.2	3.0	5.4	3.0
	77	25.0	4.2	2.8	4.3	2.9	4.6	2.9	4.7	3.0	4.8	3.0	5.1	3.0	5.4	2.9
	82	27.5	4.1	2.7	4.2	2.8	4.5	2.8	4.6	3.0	4.8	3.0	5.1	2.9	5.3	2.9
	86	30.0	4.1	2.7	4.2	2.8	4.5	2.8	4.6	3.0	4.7	2.9	5.0	2.9	5.3	2.9
	91	32.5	4.0	2.6	4.1	2.7	4.4	2.7	4.5	2.9	4.7	2.9	4.9	2.9	5.2	2.8
	95	35.0	3.9	2.6	4.0	2.7	4.3	2.7	4.5	2.9	4.6	2.9	4.9	2.9	5.2	2.8
	100	37.5	3.8	2.5	3.9	2.6	4.2	2.6	4.4	2.8	4.5	2.8	4.8	2.8	5.1	2.8
	104	40.0	3.7	2.5	3.9	2.6	4.2	2.6	4.3	2.8	4.5	2.8	4.8	2.8	5.1	2.8
	110	43.0	3.6	2.4	3.8	2.5	4.1	2.5	4.2	2.7	4.4	2.7	4.7	2.7	5.0	2.7

kcal/h = kW x 860, Btu/h = kW x 3,412

2. CAPACITY TABLES

2-5b. Heating capacity in combination with PUMY-P100,125,140YHM

PMFY-P-VBM-E

SHC : Sensible Heat Capacity(kW)

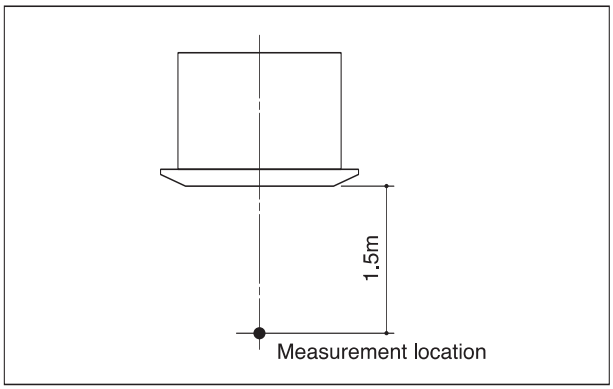
Model size (Rated kW)	Outdoor air temp.		Indoor air temp.			
			59 °FDB	68 °FDB	77 °FDB	81 °FDB
			15.0°CDB	20.0°CDB	25.0°CDB	27.0°CDB
	°FWB	°CWB	SHC	SHC	SHC	SHC
20 (2.2)	-4	-20.0	1.6	1.6	1.5	1.5
	5	-15.0	1.8	1.7	1.6	1.6
	14	-10.0	1.9	1.8	1.8	1.8
	23	-5.0	2.1	2.1	2.0	2.0
	32	0.0	2.4	2.3	2.2	2.2
	37	2.5	2.5	2.4	2.3	2.3
	43	6.0	2.6	2.5	2.5	2.4
	46	7.5	2.7	2.7	2.5	2.4
	50	10.0	2.8	2.8	2.5	2.4
	55	12.5	3.0	2.9	2.5	2.4
	60	15.5	3.0	2.9	2.5	2.4
25 (2.8)	-4	-20.0	2.1	2.0	1.9	1.9
	5	-15.0	2.2	2.1	2.1	2.0
	14	-10.0	2.4	2.3	2.3	2.2
	23	-5.0	2.7	2.7	2.5	2.5
	32	0.0	3.0	2.9	2.8	2.8
	37	2.5	3.2	3.1	3.0	2.9
	43	6.0	3.3	3.2	3.2	3.1
	46	7.5	3.5	3.4	3.2	3.1
	50	10.0	3.6	3.5	3.2	3.1
	55	12.5	3.8	3.7	3.2	3.1
	60	15.5	3.9	3.7	3.2	3.1
32 (3.6)	-4	-20.0	2.6	2.5	2.4	2.4
	5	-15.0	2.8	2.7	2.6	2.6
	14	-10.0	3.0	2.9	2.8	2.8
	23	-5.0	3.4	3.3	3.2	3.1
	32	0.0	3.8	3.7	3.5	3.5
	37	2.5	4.0	3.8	3.7	3.7
	43	6.0	4.1	4.0	4.0	3.9
	46	7.5	4.3	4.2	4.0	3.9
	50	10.0	4.5	4.4	4.0	3.9
	55	12.5	4.7	4.6	4.0	3.9
	60	15.5	4.8	4.6	4.0	3.9
40 (4.5)	-4	-20.0	3.3	3.2	3.0	3.0
	5	-15.0	3.5	3.4	3.3	3.2
	14	-10.0	3.8	3.7	3.6	3.5
	23	-5.0	4.3	4.2	4.0	3.9
	32	0.0	4.7	4.6	4.4	4.4
	37	2.5	5.0	4.8	4.7	4.6
	43	6.0	5.1	5.0	5.0	4.9
	46	7.5	5.4	5.3	5.0	4.9
	50	10.0	5.7	5.5	5.0	4.9
	55	12.5	5.9	5.8	5.0	4.9
	60	15.5	6.1	5.8	5.0	4.9

kcal/h = kW x 860, Btu/h = kW x 3,412

3. SOUND LEVELS

3-1. Sound levels

PMFY-P-VBM-E



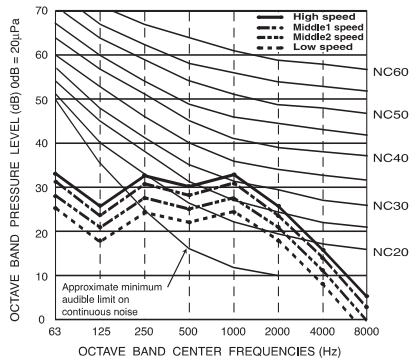
* Measured in anechoic room.

Sound level at anechoic room : Low-Middle2-Middle1-High

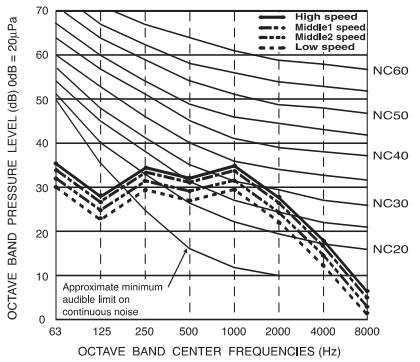
	Sound level dB (A)
PMFY-P20VBM-E	27-30-33-35
PMFY-P25VBM-E PMFY-P32VBM-E	32-34-36-37
PMFY-P40VBM-E	33-35-37-39

3-2. NC curves

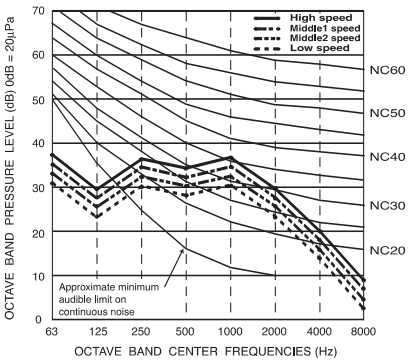
PMFY-P20VBM-E
External static pressure : 0Pa
Power source : 220,230,240V, 50Hz / 220V, 60Hz



PMFY-P25,32VBM-E
External static pressure : 0Pa
Power source : 220,230,240V, 50Hz / 220V, 60Hz

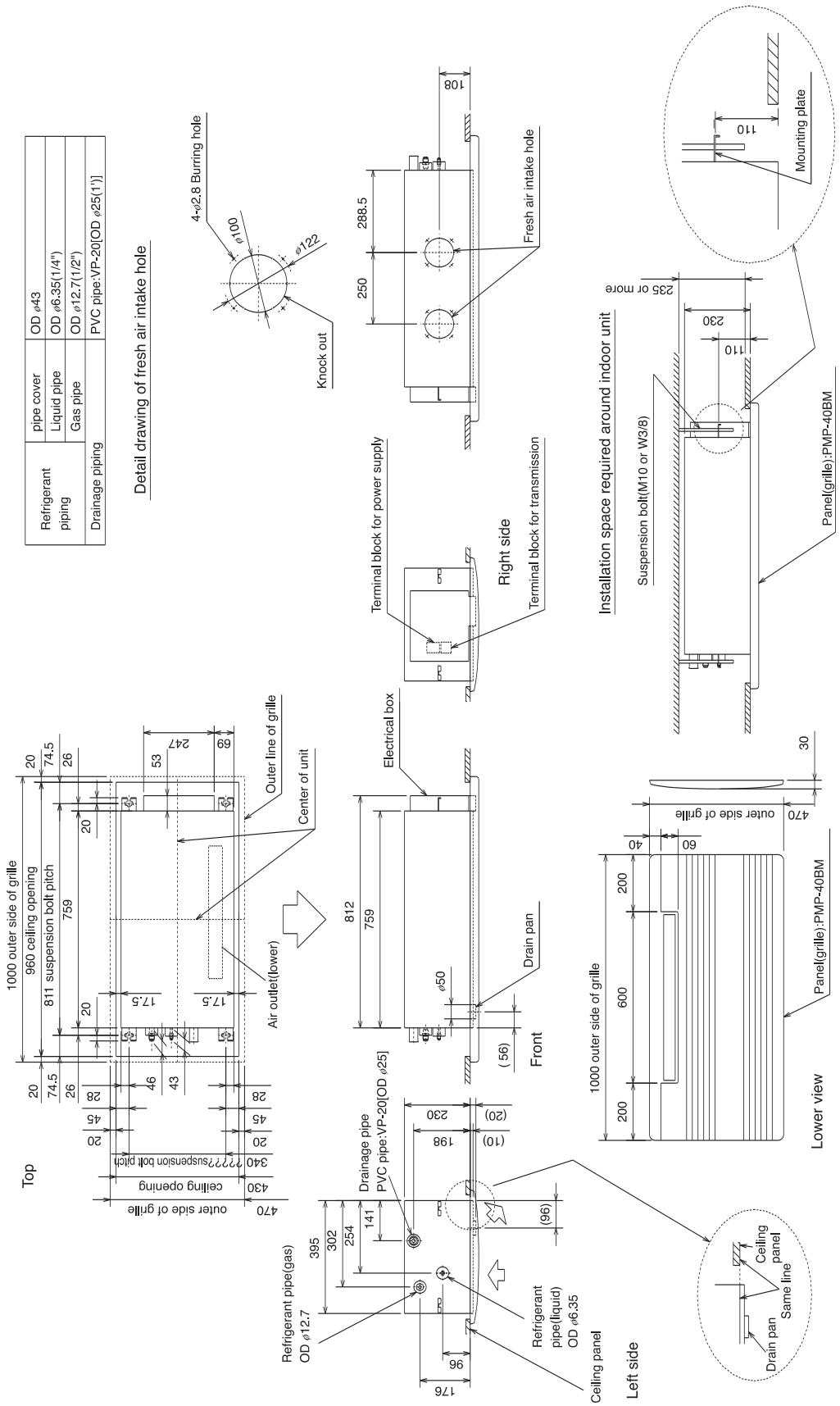


PMFY-P40VBM-E
External static pressure : 0Pa
Power source : 220,230,240V, 50Hz / 220V, 60Hz



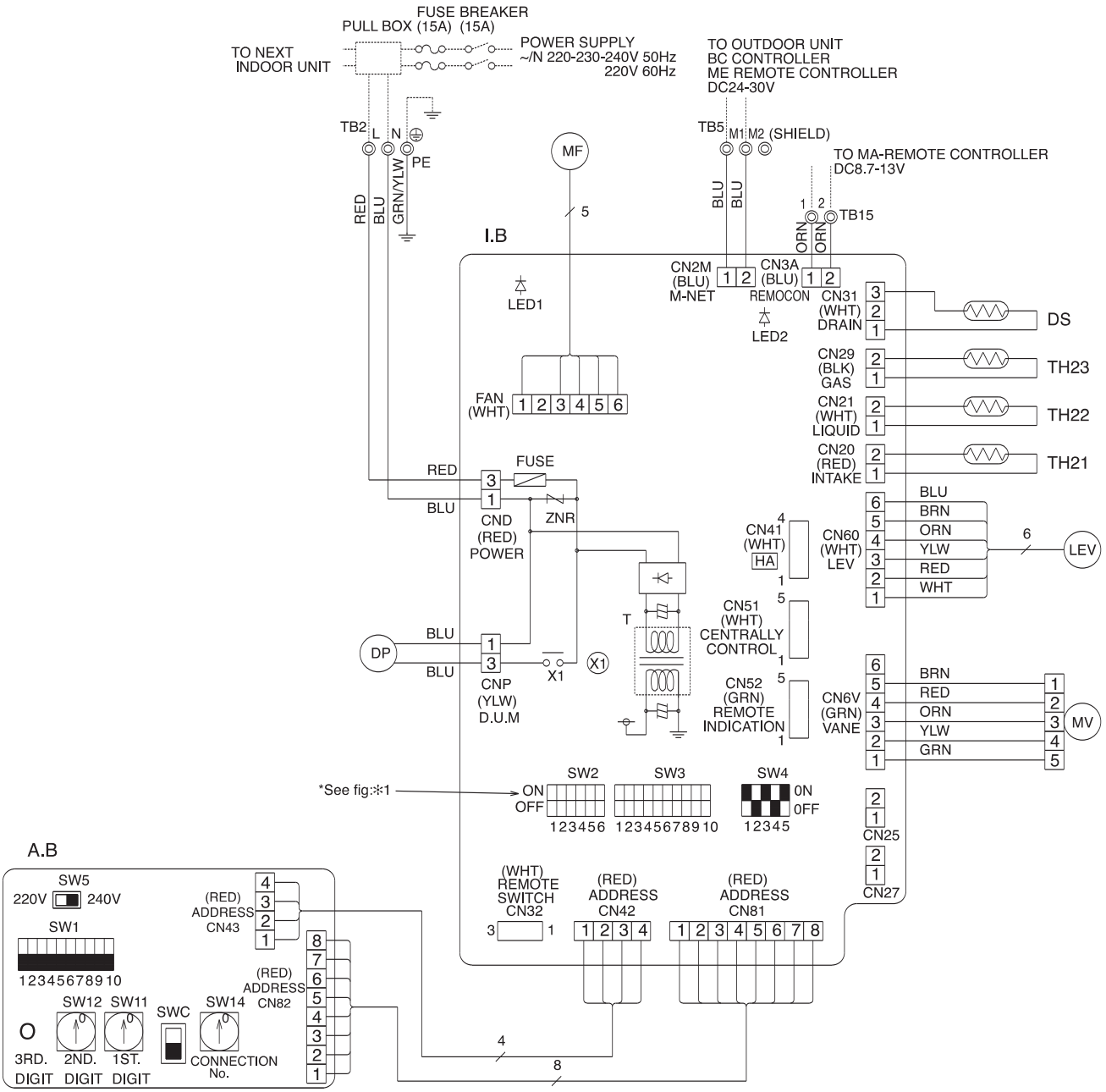
PMFY-P20,25,32,40VBM-E

Drw. : IU-BH01-C184
Unit : mm



PMFY-P20,25,32,40VBM-E

Drw. : IU-RG79-A671



<SYMBOL EXPLANATION>

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 BLOCK	POWER SUPPLY
CN51		CENTRALLY CONTROL	TB5		TRANSMISSION
CN52		REMOTE INDICATION	TB15		MA-REMOTE CONTROLLER
SW2	SWITCH	CAPACITY CODE	TH21	THERMISTOR	ROOM TEMPERATURE DETECTION (0˚C/15kΩ, 25˚C/5.4kΩ)
SW3		MODE SELECTION			
SW4		MODEL SELECTION	TH22		PIPE TEMPERATURE DETECTION/LIQUID (0˚C/15kΩ, 25˚C/5.4kΩ)
ZNR	VARISTOR				
FUSE	FUSE(6.3A/250V)		TH23		PIPE TEMPERATURE DETECTION/GAS (0˚C/15kΩ, 25˚C/5.4kΩ)
X1	AUX.RELAY	DRAIN PUMP			
T	TRANSFORMER		LEV	LINEAR EXPANSION VALVE	
LED1	POWER SUPPLY(I.B)				
LED2	POWER SUPPLY(I.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.			

<*1>

MODELS	SW2	SW3
P20	0N 0FF 123456	0N 0FF 12345678910
P25	0N 0FF 123456	0N 0FF 12345678910
P32	0N 0FF 123456	0N 0FF 12345678910
P40	0N 0FF 123456	0N 0FF 12345678910

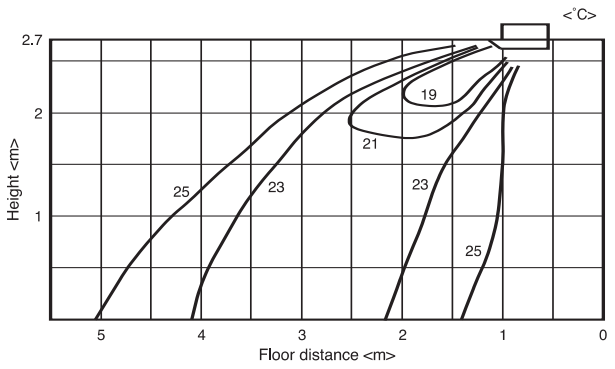
NOTES:

1. At servicing for outdoor unit, always follow the wiring diagram of outdoor unit.
2. Symbol [S] of TB5 is the shield wire connection.
3. Symbols used in wiring diagram above are,
   ◎ :terminal block, □□□ :connector.
4. The setting of the SW2 dip switches differs in the capacity for the detail, see the table <*1>.
5. 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.

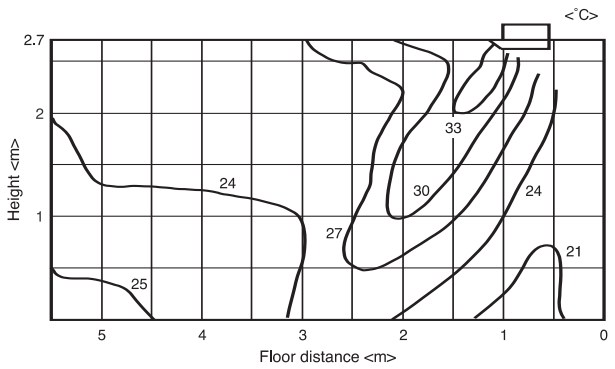
6. TEMPERATURE/AIRFLOW DISTRIBUTIONS

6-1. Temperature distributions

<Cooling mode>
Flow angle 30˚



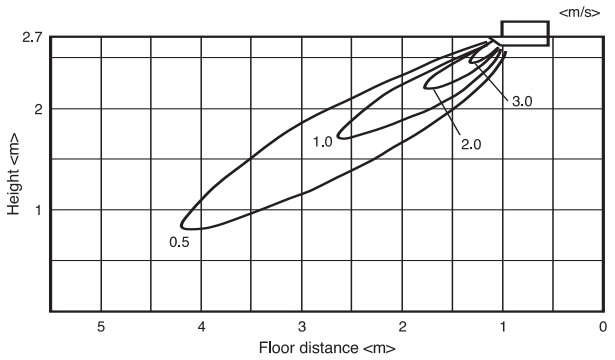
<Heating mode>
Flow angle 70˚



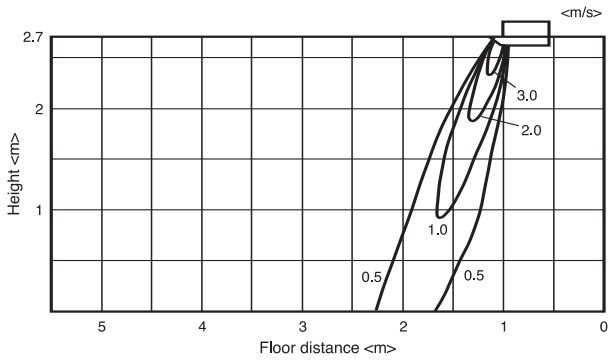
Note : These figures show typical temperature distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

6-2. Airflow distributions

<Fan mode>
Flow angle 30˚



<Fan mode>
Flow angle 70˚



Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.