

1. SPECIFICATIONS

Ceiling cassette (1-way flow type)

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	BTU / h	7,500	9,600	12,300	15,400
	*3	Power input	kW	0.042	0.044	0.054
	*3	Current input	A	0.20	0.21	0.26
Heating capacity (Nominal)	*2	kW	2.5	3.2	4.0	5.0
	*2	BTU / h	8,500	10,900	13,600	17,100
	*3	Power input	kW	0.042	0.044	0.054
	*3	Current input	A	0.20	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 (lbs)	14 (31)			
Decoration panel	Model		PMP-40BMW	PMP-40BMW	PMP-40BMW	PMP-40BMW
	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 (lbs)	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 ₂ O	0			
	Motor type		1-phase induction motor			
	Motor output		0.028			
	Driving mechanism		Direct-driven by motor			
	Airflow rate (Low-Mid2-Mid1-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
Sound pressure level (Low-Mid2-Mid1-High) (measured in anechoic room) *3		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 CITY MULTI			
Diameter of refrigerant pipe	Liquid (R410A)	mm (in.)	ø6.35 (ø1/4) Flare	ø6.35 (ø1/4) Flare	ø6.35 (ø1/4) Flare	ø6.35 (ø1/4) Flare
	Gas (R410A)	mm (in.)	ø12.7 (ø1/2) Flare	ø12.7 (ø1/2) Flare	ø12.7 (ø1/2) Flare	ø12.7 (ø1/2) Flare
Field drain pipe size		mm (in.)	O.D. 26 (1)			
Drawing	External		IU-BH01-C184			
	Wiring		IU-RG79-A671			
	Refrigerant cycle					
Standard attachment	Document		Installation Manual, Instruction Book			
	Accessory		Drain hose I.D. 26 (1) (flexible joint)			
Remark	Optional parts					
	Decoration panel		PMP-40BMW	PMP-40BMW	PMP-40BMW	PMP-40BMW
			*PMFY-P-VBM-E should used together with PMP-40BMW			
		Installation	Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.			
Note : *1 Nominal cooling conditions *2 Nominal heating 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) 20°CDB (68°FDB) 7°CDB/6°CWB (45°FDB/43°FWB) 7.5 m (24-9/16 ft) 0 m (0 ft) Unit converter BTU/h = kW x 3.412 cfm = m³/min x 35.31 lbs = kg / 0.4536 * Nominal conditions *1, *2 are subject to JIS B8615-1. * Due to continuing improvement, above specification may be subject to change without notice. *3 The values are measured at the rated external static pressure. *Above specification data is subject to rounding variation						

PMFY-P-VBM-E