

OUTDOOR UNIT

S Series

PUMY-P VHMB(-BS)



► Specifications

		PUMY-P100VHMB(-BS)	PUMY-P125VHMB(-BS)	PUMY-P140VHMB(-BS)
Power source		1-phase 220-230-240V 50Hz, 1-phase 220V 60Hz		
Cooling capacity (Nominal)	#1 kW	11.2	14.0	15.5
	#1 BTU/h	38,200	47,800	52,900
	Power input kW	3.34	4.32	5.35
	Current input A	15.4-14.8-14.1, 15.4	20.0-19.1-18.3, 20.0	24.7-23.6-22.7, 24.7
COP (kW/kW)		3.35	3.24	2.9
Temp. range of cooling	Indoor	W.B.	15 ~ 24°C (59 ~ 75°F) - 5 ~ 46°C (23 ~ 115°F)	
	Outdoor	D.B.	10 to 46°C D.B. (50 to 115°F D.B.) : in case of connecting PKFY-P15 / P20 / P25 type indoor unit.	
Heating capacity (Nominal)	#2 kW	12.5	16.0	18.0
	#2 BTU/h	42,700	54,600	61,400
	Power input kW	3.66	4.33	5.58
	Current input A	16.9-16.2-15.5, 16.9	20.0-19.1-18.3, 20.0	25.8-24.7-23.6, 25.8
COP (kW/kW)		3.42	3.69	3.23
Temp. range of heating	Indoor temp.	D.B.	15 ~ 27°C (59 ~ 81°F)	
	Outdoor temp.	W.B.	-15 ~ 15°C (5 ~ 59°F)	
Indoor unit connectable		50 ~ 130% of outdoor unit capacity		
Model/Quantity		P15 ~ P125 / 1 ~ 8	P15 ~ P140 / 1 ~ 10	P15 ~ P140 / 1 ~ 12
Sound pressure level (measured in anechoic room)		dB<A> 49 / 51	50 / 52	51 / 53
Diameter of liquid (high press.) refrigerant pipe		mm(in.) ø9.52 (ø3/8)	ø9.52 (ø3/8)	ø9.52 (ø3/8)
Gas (Low press.)		mm(in.) ø15.88 (ø5/8)	ø15.88 (ø5/8)	ø15.88 (ø5/8)
External finish		Galvanized steel sheet <MUNSELL 3Y 7.8/1.1>		
External dimension H X W X D		mm (in.) 1,350 X 950 X 330 (53-3/16 X 37-7/16 X 13)	1,350 X 950 X 330 (53-3/16 X 37-7/16 X 13)	1,350 X 950 X 330 (53-3/16 X 37-7/16 X 13)
Net weight		kg (lbs) 129 (284)	129 (284)	129 (284)
Heat exchanger		Salt-resistant cross fin & copper tube Inverter scroll hermetic comp.		
Compressor	Type	Inverter		
	Starting method	Inverter		
	Motor output kW	2.2	2.8	3.3
	m³/min	100	100	100
FAN	Air flow rate L/s	1,667	1,667	1,667
	cfm	3,532	3,532	3,532
	Type X Quantity	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Motor output kW	0.06 x 2	0.06 x 2	0.06 x 2
Protection	High pressure protection	High pressure sensor, High pressure switch 4.15 MPa		
	Inverter circuit (COMP./FAN)	Over-heat protection, Over-current protection		
Compressor		Discharge thermo protection, Over-current protection		
Refrigerant	Type X Original charge	R410A X 8.5kg (19 lbs)	R410A X 8.5kg (19 lbs)	R410A X 8.5kg (19 lbs)

Note:

- #1 Nominal cooling conditions
Indoor 27°C (81°F) DB/19°C (66°F) WB, Outdoor 35°C (95°F) DB
Pipe length 7.5 m (24-9/16 ft), Level difference 0 m (0 ft)
- #2 Nominal heating conditions
Indoor 20°C (68°F) DB, Outdoor 7°C (45°F) DB/6°C (43°F) WB
Pipe length 7.5 m (24-9/16 ft), Level difference 0 m (0 ft)

OUTDOOR UNIT

S Series

PUMY-P YHMB(-BS)



► Specifications

		PUMY-P100YHMB(-BS)		PUMY-P125YHMB(-BS)		PUMY-P140YHMB(-BS)	
Power source		3-phase, 380-400-415V, 50Hz					
Cooling capacity (Nominal)	#1	kW	11.2		14.0		15.5
	#1	BTU/h	38,200		47,800		52,900
	Power input	kW	3.30		4.27		5.32
	Current input	A	5.28-5.02-4.84		6.83-6.49-6.26		8.51-8.09-7.80
	COP (kW/kW)		3.39		3.28		2.91
Temp. range of cooling	Indoor	W.B.	15 ~ 24°C (59~75°F)				
	Outdoor	D.B.	- 5 ~ 46°C (23~115°F) 10 to 46°C D.B.(50 to 115°F D.B.) : in case of connecting PKFY-P15/P20/P25 type indoor unit.				
Heating capacity (Nominal)	#2	kW	12.5		16.0		18.0
	#2	BTU/h	42,700		54,600		61,400
	Power input	kW	3.63		4.29		5.32
	Current input	A	5.81-5.52-5.32		6.87-6.52-6.29		8.51-8.09-7.80
	COP (kW/kW)		3.44		3.73		3.38
Temp. range of heating	Indoor temp.	D.B.	15~27°C (59~81°F)				
	Outdoor temp.	W.B.	-15~15°C (5~59°F)				
Indoor unit connectable		Total capacity	50 ~ 130% of outdoor unit capacity				
		Model/Quantity	P15 ~ P125 / 1 ~ 8		P15 ~ P140 / 1 ~ 10		P15 ~ P140 / 1 ~ 12
Sound pressure level (measured in anechoic room)		dB<A>	49/51		50/52		51/53
Diameter of liquid refrigerant pipe		Liquid mm(in.)	ø9.52 (ø3/8) Flare				
		Gas mm(in.)	ø15.88 (ø5/8) Flare				
External finish		Galvanized steel sheet<MUNSELL 3Y 7.8/1.1>					
External dimension H X W X D		mm (in.)	1,350 X 950 X 330 (53-3/16 X 37-7/16 X 13)				
Net weight		kg (lbs)	142 (312)				
Heat exchanger		Salt-resistant cross fin & copper tube					
		Inverter scroll hermetic compressor					
Compressor		Type	Mitsubishi Electric Corporation				
		Maker					
		Starting method	Inverter				
		Motor output kW	1.9		2.4		2.9
		Case heater kW	-		-		-
		Lubricant	FV508				
FAN		Air flow rate m³/min	100				
		External static press.	0 Pa				
		Type X Quantity	Propeller fan X 2				
		Control, Driving mechanism	DC-control, Direct-driven by motor				
		Motor output kW	0.06 x 2				
HiC circuit (HiC: Heat Inter-Changer)		- - -					
Protection		High pressure protection	High pressure sensor, High pressure switch 4.15 MPa				
		Inverter circuit (COMP./FAN)	Over-heat protection, Over-current protection				
		Compressor	Discharge thermo protection, Over-current protection				
		Fan motor	Over-heat protection, Voltage protection				
Defrosting method		Auto-defrost mode (Reversed refrigerant circle)					
Refrigerant		Type X Original charge	R410A X 8.5kg (19 lbs)				
		Control	1.F.V. circuit				

Note:

- #1 Nominal cooling conditions
Indoor 27°C DB/19°C WB (81°F DB/66°F WB), Outdoor 35°C DB (95°F DB)
Pipe length 7.5m (24-9/16ft), Level difference 0m (0ft)
- #2 Nominal heating conditions
Indoor 20°C DB (68°F DB), Outdoor 7°C DB/6°C WB
Pipe length 7.5m (24-9/16ft), Level difference 0 m (0 ft)