

1. SPECIFICATIONS

S-Series

Model				PUMY-P112VKMD7-A(-BS)	PUMY-P125VKMD7-A(-BS)	PUMY-P140VKMD7-A(-BS)	
Power source				1-phase 220-230-240 V, 50 Hz; 1-phase 220-230 V, 60 Hz			
Cooling capacity (Nominal)* ¹		kW		12.5	14.0	15.5	
		kcal/h		10,750	12,040	13,330	
		Btu/h		42,650	47,768	52,886	
	Power input	kW		2.81	3.48	4.56	
	Current input	A		12.97 - 12.41 - 11.89, 12.97 - 12.41	16.06 - 15.37 - 14.73, 16.06 - 15.37	21.05 - 20.13 - 19.29, 21.05 - 20.13	
	EER	kW/kW		4.45	4.02	3.40	
Temp. range of cooling	Indoor	W.B.	15 to 24°C				
	Outdoor	D.B.	-5 to 52°C * ³ * ⁴				
Heating capacity (Nominal)* ²		kW		14.0	16.0	18.0	
		kcal/h		12,040	13,760	15,480	
		Btu/h		47,768	54,592	61,416	
	Power input	kW		2.83	3.53	4.35	
	Current input	A		13.06 - 12.50 - 11.98, 13.06 - 12.50	16.29 - 15.59 - 14.94, 16.29 - 15.59	20.08 - 19.21 - 18.41, 20.08 - 19.21	
	COP	kW/kW		4.95	4.53	4.14	
Temp. range of heating	Indoor	D.B.	15 to 27°C				
	Outdoor	W.B.	-20 to 15°C				
Indoor unit connectable	Total capacity		50 to 130% of outdoor unit capacity				
	Model/ Quantity	CITY MULTI		P10 - P140 / 9	P10 - P140 / 10	P10 - P140 / 12	
		Branch box* ⁶		P15 - P100 / 8	P15 - P100 / 8	P15 - P100 / 8	
		Mixed system	Branch box 1 unit* ⁶	CITY MULTI	P15 - P140 / 5	P15 - P140 / 5	P15 - P140 / 5
				Branch box	P15 - P100 / 5	P15 - P100 / 5	P15 - P100 / 5
			Branch box 2 units* ⁶	CITY MULTI	P15 - P140 / 3 or 2 * ⁵	P15 - P140 / 3	P15 - P140 / 3
		Branch box	P15 - P100 / 7 or 8 * ⁵	P15 - P100 / 8	P15 - P100 / 8		
Sound pressure level (SPL) (measured in anechoic room)	dB <A>			49/51	50/52	51/53	
Sound power level (PWL) (measured in anechoic room)	dB <A>			69/71	70/72	71/73	
Refrigerant piping diameter	Liquid pipe	mm (in)	9.52 (3/8)				
	Gas pipe	mm (in)	15.88 (5/8)				
Fan	Type × Quantity		Propeller Fan × 2				
	Airflow rate	m ³ /min	110				
		L/s	1,833				
		cfm	3,884				
		Control, Driving mechanism		DC control			
	Motor output	kW	0.074 + 0.074				
	External static press.		0				
Compressor	Type × Quantity		Scroll hermetic compressor × 1				
	Manufacturer		Mitsubishi Electric Corporation				
	Starting method		Inverter				
	Capacity control	%	Cooling 26 to 100 Heating 20 to 100	Cooling 24 to 100 Heating 18 to 100	Cooling 21 to 100 Heating 17 to 100		
	Motor output	kW	2.9	3.5	3.9		
	Case heater	kW	0				
	Lubricant		FV50S (2.3liter)				
External finish			Galvanized Steel Sheet Munsell No. 3Y 7.8/1.1				
External dimension H × W × D		mm	1,338 × 1,050 × 330 (+40)				
		in	52-11/16 × 41-11/32 × 13 (+1-9/16)				
Protection devices	High pressure protection		High pressure switch				
	Inverter circuit (COMP./FAN)		Overcurrent detection, Overheat detection (Heat sink thermistor)				
	Compressor		Compressor thermistor, Overcurrent detection				
	Fan motor		Overheating, Voltage protection, Overcurrent detection				
Refrigerant	Type × original charge		R410A 4.8 kg				
	Control		Linear expansion valve				
Net weight		kg (lb)	125 (276)				
Heat exchanger			Cross Fin and Copper tube				
HIC circuit (HIC: Heat Inter-Changer)			Double pipe heat exchanger				
Defrosting method			Reversed refrigerant circuit				
Standard attachment	Document		Installation Manual				
	Accessory		Grounded lead wire ×1				
Optional parts			Joint: CMY-Y62-G-F Header: CMY-Y64/68-G-F Branch box: PAC-MK34/54BC				

- Remarks
- *1. Nominal cooling conditions:
Indoor: 27°C D.B./19°C W.B. [81°F D.B./66°F W.B.]
Outdoor: 35°C D.B. [95°F D.B.]
Pipe length: 7.5 m [24-9/16 ft]
Level difference: 0 m [0 ft]
 - *2. Nominal heating conditions:
Indoor: 20°C D.B. [68°F D.B.]
Outdoor: 7°C DB/6°C W.B. [45°F D.B./43°F W.B.]
Pipe length: 7.5 m [24-9/16 ft]
Level difference: 0 m [0 ft]
 - *3. 10 to 52°C D.B. [50 to 126°F D.B.], when connecting following models: PKFY-P10/15/20/25/32VLM, PFFY-P20/25/32VLEM, PFFY-P20/25/32VLM(RM), PFFY-P20/25/32VKM, PFFY-P20/25/32VCM, PLFY-P20/25/32/40/50/63VMD; and M series, S series, and P series type indoor unit.
 - *4. -15 to 52°C D.B. [50 to 126°F D.B.], when using an optional air protect guide [PAC-SH95AG-E]. However, this condition does not apply to the indoor unit listed in *3.
 - *5. When connecting 7 indoor units via branch box, connectable CITY MULTI indoor units are 3; connecting 8 indoor units via branch box, connectable CITY MULTI indoor units are 2.
 - *6. At least two indoor units must be connected when using branch box.

Notes:

- Nominal conditions *1, *2 are subject to ISO 15042.
- Due to continuing improvement, above specifications are subject to change without notice.
- See the following for unit conversion: kcal/h = kW × 860, Btu/h = kW × 3,412, cfm = m³/min × 35.31, lb = kg × 0.4536
- Above specification data is subject to rounding variation.