

1. SPECIFICATIONS

S-Series

PUMY-P-YBMD-A(-BS)

Model			PUMY-P250YBMD-A (-BS)		PUMY-P300YBMD-A (-BS)			
Power source			3-phase, 380-400-415V, 50Hz / 380V, 60Hz					
Cooling capacity (Nominal)		kW ^{*1}	28.0		33.5			
		kcal/h ^{*1}	24,100		28,800			
		Btu/h ^{*1}	95,500		114,300			
	Power input	kW	6.83		8.17			
	Current input	A	11.16 - 10.60 - 10.22 / 11.16		13.35 - 12.68 - 12.22 / 13.35			
EER			4.10		4.10			
Temp. range of cooling	Indoor temp.	W.B.	15 to 24°C					
	Outdoor temp.	D.B.	-5 to 52°C ^{*3,4}					
Heating capacity (Nominal)		kW ^{*2}	31.5		37.5			
		kcal/h ^{*2}	27,100		32,200			
		Btu/h ^{*2}	107,500		128,000			
	Power input	kW	6.06		7.36			
	Current input	A	9.90 - 9.41 - 9.07 / 9.90		12.02 - 11.42 - 11.01 / 12.02			
	COP	kW/kW	5.20		5.10			
Temp. range of heating	Indoor temp.	D.B.	15 to 27°C					
	Outdoor temp.	W.B.	-20 to 15°C					
Indoor unit connectable	Total capacity		50 to 130% of outdoor unit capacity					
	Model/Max Quantity	CITY MULTI	P15 - P250 / 21		P15 - P250 / 25			
			kW type: P25 - P71 / 12 Cal type: P22 - P63 / 12					
		Branch box 1 unit	CITY MULTI	P15 - P250 / 16		P15 - P250 / 20		
			Branch box	kW type: P25 - P71 / 5 Cal type: P22 - P63 / 5		kW type: P25 - P71 / 5 Cal type: P22 - P63 / 5		
			Total (Quantity)	21		25		
		Branch box 2 units	CITY MULTI	P15 - P250 / 11		P15 - P250 / 15		
			Branch box	kW type: P25 - P71 / 10 Cal type: P22 - P63 / 10		kW type: P25 - P71 / 10 Cal type: P22 - P63 / 10		
			Total (Quantity)	21		25		
		Branch box 3 units	CITY MULTI	P15 - P250 / 9		P15 - P250 / 13		
			Branch box	kW type: P25 - P71 / 12 Cal type: P22 - P63 / 12		kW type: P25 - P71 / 12 Cal type: P22 - P63 / 12		
			Total (Quantity)	21		25		
		Sound pressure level (measured in anechoic room)		dB <A>	59 / 60		60 / 62	
		Refrigerant piping diameter	Liquid pipe	mm (inch)	ø9.52 (3/8) ^{*5}		ø12.7 (1/2)	
			Gas pipe	mm (inch)	ø22.4 (7/8)		ø25.4 (1)	
FAN	Type × Quantity		Propeller Fan × 2					
	Airflow rate	m³/min	187/183		18/197			
		L/s	3117/3050		3117/3283			
		cfm	6603/6462		6603/6956			
	Control, Driving mechanism		DC control					
	Motor output		0.375 × 2					
	External static pressure		0Pa / 30Pa ^{*6}					
	Compressor	Type × Quantity		Scroll hermetic compressor × 1				
Manufacturer		Siam Compressor Industry Co., Ltd.						
Starting method		Inverter						
Motor output		kW	6.30		7.23			
Case heater		kW	-					
Lubricant		FVC68D (3.3 liter)						
External finish		Galvanized Steel Sheet Munsell No. 3Y 7.8/1.1						
External dimension HxWxD		mm inch	1,662 × 1,050 × 460(+45) 65-7/16 × 41-11/32 × 187/64 (+ 1-49/64)					
Protection devices	High pressure protection		High pressure Switch					
	Inverter circuit (COMP./FAN)		Overcurrent detection, Overheat detection (Heat sink thermistor)					
	Compressor		Compressor thermistor, Overcurrent detection, Compressor protector					
	Fan motor		Overheating, Voltage protection					
Refrigerant	Type × original charge		R410A 9.3 kg					
	Control		Linear Expansion Valve					
Net weight	kg (lb) [-BS kg (lbs)]		192 (423) [194 (428)]					
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		Joint pipe×1 set, Grounding lead wire ×1			
Optional parts			Joint: CMY-Y62-G-E Header: CMY-Y64/68-G-E					
*1. Nominal cooling conditions (subject to ISO 15042) 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.]						Unit converter 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		
*2. Nominal heating conditions (subject to ISO 15042) Indoor: 20°CDB. [68°FDB.], Outdoor: 7°CDB./6°CWB. [45°FDB./43°FWB.], Pipe length: 7.5 m [24-9/16 ft.], Level difference: 0 m [0 ft.]								
*3. 10 to 52°C, when connecting following models: PKFY-P15/20/25/32VLM, PFFY-P20/25/32VKM, PFFY-P20/25/32VCM, PFFY-P20/25/32VLEM, PEFY-P50/63VMA3-E; and M series and S series type indoor unit.								
*4. -15 to 52°C, when using an optional air protect guide [PAC-SK21AG-E]. However, this condition does not apply to the indoor unit listed in *3.								
*5. Liquid pipe diameter: 12.7mm, when further piping length is longer than 90m, and when PEFY-P200 or P250 is connected.								
*6. It is possible to set the External static pressure to 30 Pa by Dip Switch.								
Notes: · Nominal conditions *1, *2 are subject to ISO15042 · Due to continuing improvement, above specifications may be subject to change without notice.								