

1. SPECIFICATIONS

S-Series

PUMY-P-YKM4(-BS)

Model				PUMY-P112YKM4(-BS)	PUMY-P125YKM4(-BS)	PUMY-P140YKM4(-BS)	
Power source				3-phase 380-400-415 V, 50 Hz; 3-phase 380 V, 60 Hz			
Cooling capacity (Nominal)	kW *1			12.5	14.0	15.5	
		kcal/h *1		10,750	12,040	13,330	
		Btu/h *1		42,650	47,768	52,886	
	Power input	kW		2.79	3.46	4.52	
	Current input	A		4.99-4.74-4.57, 4.99	5.84-5.55-5.35, 5.84	7.23-6.87-6.62, 7.23	
COP	kW/kW		4.48	4.05	3.43		
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			14.0	16.0	18.0	
		kcal/h *2		12,040	13,760	15,480	
		Btu/h *2		47,768	54,592	61,416	
	Power input	kW		3.04	3.74	4.47	
	Current input	A		5.43-5.16-4.98, 5.43	6.31-6.00-5.78, 6.31	7.15-6.79-6.55, 7.15	
COP	kW/kW		4.61	4.28	4.03		
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/ 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 1unit*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 2unit*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 (inch)		9.52 (3/8)			
	Gas pipe	mm (inch)		15.88 (5/8)			
FAN *2	Type × Quantity		Propeller Fan × 2				
	Airflow rate	m³/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 x Quantity		Scroll hermetic compressor × 1				
	Manufacture		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		1338 × 1050 × 330(+40)				
	inch		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, Over current detection				
	Fan motor		Overheating, Voltage protection, Over current 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 x1				
Optional parts				Joint: CMY-Y62-G-E, Header: CMY-Y64/68-G-E, Branch box: PAC-MK34/54BC			
Remarks	*1 Nominal cooling conditions		*2 Nominal heating conditions			Unit converter	
	Indoor: 27°C D.B./19°C W.B. [81°F D.B./66°F W.B.]		20°C D.B. [68°F D.B.]				
	Outdoor: 35°C D.B. [95°F D.B.]		7°C DB/6°C W.B. [45°F D.B./43°F W.B.]				
	Pipe length: 7.5 m [24-9/16 ft]		7.5 m [24-9/16 ft]				
	Level difference: 0 m [0 ft]		0 m [0 ft]				
	*3 10 to 52:D.B. [50 to 126_F D.B.], when connecting following models: PKFY-P10/15/20/25/32VLM, PFFY-P20/25/32VLEM, PFFY-P20/25/32VLRM(M), PFFY-P20/25/32VKM, PFFY-P20/25/32VCM, PEFY-P25/32/40VMA3; and M series, S series, and P series type indoor unit.						
	*4 -15 to 52: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 unit must be connected when using branch box.						
	Notes: 1. Nominal conditions *1, *2 are subject to ISO 15042.						
2. Due to continuing improvement, above specifications may be subject to change without notice.							
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.							