

1. SPECIFICATIONS

S-Series

PUMY-SP-VKMD2-A, PUMY-SP-YKMD2-A, PUMY-P-YKMD7-A, PUMY-P-YKMD7-A, PUMY-P-YKMD2-A, PUMY-P-YBMD-A

Model		PUMY-SP80YKMD2-A(-BS)				PUMY-SP112YKMD2-A(-BS)			
Power source		3-phase 380-400-415 V, 50 Hz; 3-phase 380 V, 60 Hz							
Cooling capacity (Nominal)	*1 kW	9.0				12.5			
	*1 kcal/h	7,700				10,800			
	*1 Btu/h	30,700				42,700			
	Power input kW	2.11				3.10			
	Current input A	3.37-3.21-3.09				4.96-4.71-4.54			
Temp. range of cooling	COP kW/kW	4.27				4.03			
	Indoor W.B.	15 to 24°C (59 to 75°F)							
Heating capacity (Nominal)	Outdoor D.B.	-5 to 52°C *3,*4 (23 to 126°F)							
	*2 kW	10.0				14.0			
	*2 kcal/h	8,600				12,000			
	*2 Btu/h	34,100				47,800			
	Power input kW	2.27				3.17			
Temp. range of heating	Current input A	3.63-3.45-3.32				5.07-4.82-4.64			
	COP kW/kW	4.41				4.42			
Indoor unit connectable	Indoor W.B.	15 to 27°C (59 to 81°F)							
	Outdoor W.B.	-20 to 15°C (-4 to 59°F)							
	Total capacity	50 to 130% of outdoor unit capacity							
	Model/ Quantity	CITY MULTI P10-P100/9				P10-P140/12			
	Branch box	P15-P100/7				P15-P100/8			
Sound pressure level (measured in anechoic room)	Mixed system	Branch box	CITY MULTI	P10-P100	5	4	3	P10-P140	5
	1 unit	Branch box	CITY MULTI	P15-P100	3	4	5	P15-P100	5
	2 units	Branch box	CITY MULTI	P10-P100	3	2	1	P10-P140	3
	2 units	Branch box	P15-P100	P15-P100	5	6	7	P15-P100	8
Refrigerant piping diameter	Liquid pipe mm (inch)	51/54				52/54			
	Gas pipe mm (inch)	9.52 (3/8) Flare 15.88 (5/8) Flare							
Fan	Type × Quantity	Propeller Fan × 1							
	Airflow rate m ³ /min	75/75				77/75			
	L/s	1250/1250				1283/1250			
	cfm	2649/2649				2719/2649			
	Control, Driving mechanism	DC control							
Compressor	Motor output kW	0.20 × 1				0.20 × 1			
	External static press.	0 Pa/30 Pa*5							
	Type × Quantity	Twin rotary hermetic compressor × 1							
	Manufacturer	Mitsubishi Electric Corporation							
	Starting method	Inverter							
Capacity control %	Cooling	29 to 100				26 to 100			
	Heating	24 to 100				20 to 100			
Motor output kW	1.6				2.1				
Case heater kW	0								
Lubricant	FV50S (1.4litter)								
External finish	Galvanized Steel Sheet Munsell No. 3Y 7.8/1.1								
External dimension H × W × D	mm	981 × 1,050 × 330 (+25)							
	inch	38-5/8 × 41-3/8 × 13 (+1)							
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 × 3.5 kg (8 lb)							
	Control	Linear expansion valve							
Net weight	kg (lb)	94 (207)*6							
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							
Optional parts	Joint: CMY-Y62-G-E Header: CMY-Y64/68-G-E								
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.] Outdoor: 35°C D.B. [95°F D.B.] Pipe length: 7.5 m [24-9/16 ft] Level difference: 0 m [0 ft]	20°C D.B. [68°F D.B.] 7°C DB/6°C W.B. [45°F D.B./43°F W.B.] 7.5 m [24-9/16 ft] 0 m [0 ft]						kcal/h = kW × 860 Btu/h = kW × 3,412 cfm = m ³ /min × 35.31 lb = kg/0.4536	
*3 10 to 52°C(D.B.): When connecting following models such as PKFY-P15/20/25VBM, PEFY-P15/20/25/32/40VMX(L)-E(1), PKFY-P10/15/20/25/32VLM, PFFY-P20/25/32VLE(R)M(M), PFFY-P20/25/32VKM, PFFY-P20/25/32VEM-E, and M series, S series, and P series type indoor unit.									
*4 -15 to 52°C(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 0 Pa which is configured at the factory									
*6 95 (209), for PUMY-SP80/112YKMD2-BS									
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.									

1. SPECIFICATIONS

S-Series

Model		PUMY-SP125YKMD2-A(-BS)	PUMY-SP140YKMD2-A(-BS)
Power source		3-phase 380-400-415 V, 50 Hz; 3-phase 380 V, 60 Hz	
Cooling capacity (Nominal)	*1 kW	14.0	15.5
	*1 kcal/h	12,000	13,300
	*1 Btu/h	47,800	52,900
	Power input kW	3.84	4.31
	Current input A	6.14-5.83-5.62	6.89-6.55-6.31
COP		3.65	3.60
Temp. range of cooling	Indoor	W.B.	
	Outdoor	15 to 24°C (59 to 75°F) -5 to 52°C *3,*4 (23 to 126°F)	
Heating capacity (Nominal)	*2 kW	16.0	16.5
	*2 kcal/h	13,800	14,200
	*2 Btu/h	54,600	56,300
	Power input kW	3.90	4.02
	Current input A	6.24-5.93-5.71	6.43-6.11-5.89
COP		4.10	4.10
Temp. range of heating	Indoor	D.B.	
	Outdoor	W.B.	
Indoor unit connectable	Total capacity		
	50 to 130% of outdoor unit capacity		
	Model/ Quantity	CITY MULTI	
	Branch box	P10-P140/12	
	Mixed system	P15-P100/8	
Branch box 1 unit	CITY MULTI	P10-P140	5
Branch box 2 units	CITY MULTI	P15-P100	5
	CITY MULTI	P10-P140	3
	CITY MULTI	P15-P100	8
Sound pressure level (measured in anechoic room)	dB <A>	53/56	54/56
Refrigerant piping diameter	Liquid pipe mm (inch)	9.52 (3/8) Flare	
	Gas pipe mm (inch)	15.88 (5/8) Flare	
Fan	Type × Quantity		
	Propeller Fan × 1		
	Airflow rate m ³ /min	81/83	81/83
	L/s	1350/1383	1350/1383
	cfm	2861/2931	2861/2931
Control, Driving mechanism		DC control	
Motor output kW	0.20 × 1		
External static press.	0 Pa/30 Pa*5		
Compressor	Type × Quantity		
	Twin rotary hermetic compressor × 1		
	Manufacturer		
	Mitsubishi Electric Corporation		
	Starting method		
	Inverter		
Capacity control %	Cooling 20 to 100	Cooling 21 to 100	
Motor output kW	Heating 18 to 100	Heating 17 to 100	
Case heater kW	2.5	3.0	
Lubricant	0		
External finish	FV50S (1.4litter)		
External dimension H × W × D	mm	Galvanized Steel Sheet Munsell No. 3Y 7.8/1.1	
	inch	981 × 1,050 × 330 (+25)	
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 × 3.5 kg (8 lb)		
Net weight	Control		
	Linear expansion valve		
Heat exchanger	94 (207) *6		
HIC circuit (HIC: Heat Inter-Changer)	Cross Fin and Copper tube		
Defrosting method	Double pipe heat exchanger		
Standard attachment	Reversed refrigerant circuit		
Optional parts	Document	Installation Manual	
	Accessory	Grounded lead wire	
Remarks		Joint: CMY-Y62-G-E Header: CMY-Y64/68-G-E	
Remarks	*1 Nominal cooling conditions	*2 Nominal heating 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]	20°C D.B. [68°F D.B.] 7°C DB/6°C W.B. [45°F D.B./43°F W.B.] 7.5 m [24-9/16 ft] 0 m [0 ft]	
*3 10 to 52°C(D.B.): When connecting following models such as PKFY-P15/20/25VBM, PEFY-P15/20/25/32/40VMX(L)-E(1), PKFY-P10/15/20/25/32VLM, PFFY-P20/25/32VLE(R)M(M), PFFY-P20/25/32VKM, PFFY-P20/25/32VEM-E, and M series, S series, and P series type indoor unit.			Unit converter kcal/h = kW × 860 Btu/h = kW × 3,412 cfm = m ³ /min × 35.31 lb = kg/0.4536 Above specification data is subject to rounding variation.
*4 -15 to 52°C(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 0 Pa which is configured at the factory			
*6 95 (209), for PUMY-SP125/140YKMD2-BS			
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.			

PUMY-SP-VKMD2-A, PUMY-SP-YKMD2-A, PUMY-P-VKMD7-A, PUMY-P-YKMD7-A, PUMY-P-YKMD2-A, PUMY-P-YBMD-A