

Model			PUMY-SM80YKM-A(-BS)			PUMY-SM112YKM-A(-BS)			PUMY-SM125YKM-A(-BS)			PUMY-SM140YKM2-A(-BS)			
Power source			3-phase 380-400-415 V, 50 Hz; 3-phase 380 V, 60 Hz												
Cooling capacity (Nominal) ¹		kW	9			12.5			14.0			15.5			
		kcal/h	7,740			10,750			12,040			13,330			
		Btu/h	30,708			42,650			47,768			52,886			
	Power input	kW	1.61			2.67			2.99			3.75			
		Current input	A	2.88	2.74	2.64	4.46	4.24	4.09	4.94	4.70	4.53	6.13	5.83	5.61
		COP	kW/kW	5.59			4.68			4.68			4.13		
Temp. range of cooling	Indoor	W.B.			15 to 24°C ⁷										
	Outdoor	D.B.			-5 to 52°C ³										
Heating capacity (Nominal) ²		kW	10			14.0			16.0			16.5			
		kcal/h	8,600			12,040			13,760			14,190			
		Btu/h	34,120			47,768			54,592			56,298			
	Power input	kW	1.94			3.08			3.78			3.85			
		Current input	A	3.47	3.30	3.18	5.15	4.89	4.71	6.25	5.94	5.72	6.29	5.98	5.76
		COP	kW/kW	5.15			4.54			4.23			4.28		
Temp. range of heating	Indoor	D.B.			17 to 28°C ⁸										
	Outdoor	W.B.			-20 to 15°C										
Indoor unit connectable	Total capacity		50 to 130% of outdoor unit capacity												
	Model/Quantity	CITY MULTI		MS10 - MS140, 9			MS10 - MS140, 12								
		Branch box ⁴		M/S/P15 - M/S/P100, 7			M/S/P15 - M/S/P100, 8								
	Mixed system	4-branch box 1 unit	CITY MULTI	MS10 - MS140, 5											
			Branch box	M/S/P15 - M/S/P100, 4											
		6-branch box 1 unit	CITY MULTI	MS10 - MS140, 3											
			Branch box	M/S/P15 - M/S/P100, 6											
		4-branch box 2 unit	CITY MULTI	MS10 - MS140, 3											
			Branch box	M/S/P15 - M/S/P100, 7	M/S/P15 - M/S/P100, 8										
		4-branch box 1 unit + 6-branch box 1 unit	CITY MULTI	MS10 - MS140, 2											
Branch box			M/S/P15 - M/S/P100, 7	M/S/P15 - M/S/P100, 8											
Sound pressure level (SPL) (measured in anechoic room)	dB		Cooling	51			52			53			54		
			Heating	54			54			56			56		
Sound power level (PWL) (measured in anechoic room)	dB		Cooling	71			72			73			74		
			Heating	74			74			76			76		
Refrigerant piping diameter	Liquid pipe	mm (in)	9.52 (3/8)												
	Gas pipe	mm (in)	15.88 (5/8)												
Fan	Type × Quantity		Propeller Fan x 1												
	Airflow rate	m³/min	71/75			77/75			81/83			81/83			
		L/s	1,183/1,250			1,283/1,250			1,350/1,383			1,350/1,383			
		cfm	2,507/2,648			2,719/2,648			2,860/2,931			2,860/2,931			
	Control, Driving mechanism		DC control												
	Motor output	kW	0.20 × 1												
Compressor	External static press.		0 Pa/30 Pa ⁵												
	Type × Quantity		Twin rotary hermetic compressor x 1												
	Manufacturer		Mitsubishi Electric Corporation												
	Starting method		Inverter												
	Capacity control	%	Cooling	29 to 100			27 to 100			24 to 100			20 to 100		
			Heating	18 to 100			16 to 100			15 to 100			14 to 100		
	Motor output	kW	2.2			3.2			3.6			3.7			
	Case heater	kW	0 Pa/30 Pa ⁵												
Lubricant		FW68CA (1.4 liter)													
External finish		Galvanized Steel Sheet Munsell No. 3Y 7.8/1.1													
External dimension H × W × D		mm	981 × 1,050 × 330 (+40)												
		in	38-5/8 × 41-3/8 × 13 (+1-37/64)												
Protection devices	High pressure protection		High pressure switch												
	Inverter circuit (COMP./FAN)		Overcurrent detection, Overheat detection (Heat sink thermistor)												
	Compressor		Compressor thermistor, Overcurrent detection												
	Fan motor		Overheating, Voltage protection,												
Refrigerant	Type × original charge		R32 3.0 kg												
	Control		Linear expansion valve												
Net weight	kg (lb)	95 (210) ⁶													
Heat exchanger			Cross Fin and Copper tube												
HIC circuit (HIC: Heat Inter-Changer)			HIC circuit												
Defrosting method			Reversed refrigerant circuit												
Standard attachment	Document		Installation Manual												
	Accessory		Grounded lead wire, Muffler, Joint pipe-L												
Optional parts			Joint: CMY-Y62-G-E, Header: CMY-Y64/68-G-E												

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. -15 to 52°C D.B. [50 to 126°F D.B.], when using an optional air protect guide [PAC-SH95AG-E]
 10 to 52°C D.B. when the following indoor units are connected: M/S/P series type indoor unit
 15 to 52°C D.B. when the following indoor units are connected: PKFY*VLM or PKFY*VKM
 -5 to 46°C D.B. when the following indoor units are connected: PLFY-EMS*VHM
- *4. At least two indoor units must be connected when using branch box.
 *5. It is possible to set the external static pressure to 30 Pa by Dip Switch.
 *6. 96 (212), for PUMY-SM80/112/125/140YKM-A-BS.TH
 *7. 15 to 23°C W.B. [59 to 73°F W.B.] when using branch box (M/S/P series)
 *8. 20 to 27°C D.B. [68 to 81°F W.B.] when using branch box (M/S/P series)

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.