

1. SPECIFICATIONS

S-Series

Model					PUMY-SP80VKMD3(-BS)					PUMY-SP112VKMD3(-BS)																			
Power source					1-phase 220-230-240 V, 50 Hz; 1-phase 220 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					1.79																		
Current input					A					8.31-7.95-7.62, 8.31																			
COP					kW/kW					5.02																			
Temp. range of cooling					Indoor	W.B.					15 to 24°C (59 to 75°F)																		
					Outdoor	D.B.					-5 to 52°C *3,*4,*5 (23 to 126°F)																		
Heating capacity (Nominal)					*2 kW	10.0					14.0																		
					*2 kcal/h	8,600					12,000																		
					*2 Btu/h	34,100					47,800																		
					Power input	kW					1.81																		
Current input					A					8.40-8.04-7.70, 8.40																			
COP					kW/kW					5.52																			
Temp. range of heating					Indoor	D.B.					15 to 27°C (59 to 81°F)																		
					Outdoor	W.B.					-20 to 15°C (-4 to 59°F)*6																		
Indoor unit connectable					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									
										Mixed system					Branch box					P10-P100					P15-P100				
															1 unit					3					4				
					Branch box					CITY MULTI					P10-P100					P15-P100									
					2 units					Branch box					P15-P100					P15-P100									
Sound pressure level (measured in anechoic room)					dB <A>					51/54					52/54														
Refrigerant piping diameter					Liquid pipe					9.52 (3/8) Flare																			
					Gas pipe					15.88 (5/8) Flare																			
Fan					Type × Quantity					Propeller Fan × 1																			
					Airflow rate					m³/min					75/75					77/75									
										L/s					1250/1250					1283/1250									
										cfm					2649/2649					2719/2649									
					Control, Driving mechanism					DC control																			
					Motor output					kW										0.20 × 1									
					External static press.					Pa										0 Pa/30 Pa*7									
Compressor					Type × Quantity					Twin rotary hermetic compressor × 1																			
					Manufacturer					Mitsubishi Electric Corporation																			
					Starting method					Inverter																			
					Capacity control					%					Cooling 29 to 100					Cooling 26 to 100									
															Heating 24 to 100					Heating 20 to 100									
					Motor output					kW					1.4					2.1									
Case heater					kW																								
Lubricant					0																								
					FV50S (1.4liter)																								
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)					93 (205)*8																			
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.]					20°C D.B. [68°F D.B.]					kcal/h = kW × 860														
Outdoor:					35°C D.B. [95°F D.B.]					7°C DB/6°C W.B. [45°F D.B./43°F W.B.]					Btu/h = kW × 3,412														
Pipe length:					7.5 m [24-9/16 ft]					7.5 m [24-9/16 ft]					cfm = m³/min × 35.31														
Level difference:					0 m [0 ft]					0 m [0 ft]					lb = kg/0.4536														
*3 10 to 52°C D.B.: When connecting following models such as PFFY-P20/25/32VCM, PFFY-P20/25/32VEM, PKFY-P15/20/25VBM, PKFY-P10/15/20/25/32VLM, PFFY-P20/25/32VKM, PEFY-P15/20/25/32/40VMX(L)-E(1), PFFY-P20/25/32VLE(R)M(M); and M series, S series, and P series type indoor unit.															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 10 to 35°C D.B.: When connecting PLFY-EMS20/25/32/40/50VHM-A.																													
*6 2 to 21°C D.B.: When connecting PLFY-EMS20/25/32/40/50VHM-A.																													
*7 0 Pa which is configured at the factory																													
*8 94 (207), for PUMY-SP80/112VKMD3-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-SP125VKMD3(-BS)				PUMY-SP140VKMD3(-BS)									
Power source				1-phase 220-230-240 V, 50 Hz; 1-phase 220 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	3.36				3.67									
		Current input	A	15.59-14.91-14.29, 15.59				17.03-16.29-15.61, 17.03									
COP		kW/kW		4.16				4.22									
Temp. range of cooling		Indoor	W.B.		15 to 24°C (59 to 75°F)												
		Outdoor	D.B.		-5 to 52°C *3,*4,*5 (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	3.55				3.90									
		Current input	A	16.47-15.75-15.10, 16.47				18.09-17.31-16.59, 18.09									
COP		kW/kW		4.50				4.23									
Temp. range of heating		Indoor	D.B.		15 to 27°C (59 to 81°F)												
		Outdoor	W.B.		-20 to 15°C (-4 to 59°F)*6												
Indoor unit connectable		Total capacity		50 to 130% of outdoor unit capacity													
		Model/ Quantity		CITY MULTI				P10-P140/12				P10-P140/12					
				Branch box				P15-P100/8				P15-P100/8					
				Mixed system		Branch box		CITY MULTI		P10-P140		5		P10-P140		5	
						1 unit		Branch box		P15-P100		5		P15-P100		5	
						Branch box		CITY MULTI		P10-P140		3		P10-P140		3	
2 units		Branch box		P15-P100		8		P15-P100		8							
Sound pressure level (measured in anechoic room)		dB <A>		53/56				54/56									
Refrigerant piping diameter		Liquid pipe		9.52 (3/8) Flare													
		Gas pipe		15.88 (5/8) Flare													
Fan		Type × Quantity		Propeller Fan × 1													
		Airflow rate		m³/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*7															
Compressor		Type × Quantity		Twin rotary hermetic compressor × 1													
		Manufacturer		Mitsubishi Electric Corporation													
		Starting method		Inverter													
		Capacity control		%		Cooling 24 to 100				Cooling 21 to 100							
				Heating 18 to 100				Heating 17 to 100									
		Motor output		kW				2.4				2.5					
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)		93 (205)*8													
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.]				20°C D.B. [68°F D.B.]				kcal/h = kW × 860							
Outdoor:		35°C D.B. [95°F D.B.]				7°C DB/6°C W.B. [45°F D.B./43°F W.B.]				Btu/h = kW × 3,412							
Pipe length:		7.5 m [24-9/16 ft]				7.5 m [24-9/16 ft]				cfm = m³/min × 35.31							
Level difference:		0 m [0 ft]				0 m [0 ft]				lb = kg/0.4536							
*3 10 to 52°C D.B.: When connecting following models such as PFFY-P20/25/32VCM, PFFY-P20/25/32VEM, PKFY-P15/20/25VBM, PKFY-P10/15/20/25/32VLM, PFFY-P20/25/32VKM, PEFY-P15/20/25/32/40VMX(L)-E(1), PFFY-P20/25/32VLE(R) M(M); and M series, S series, and P series type indoor unit.										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 10 to 35°C D.B.: When connecting PLFY-EMS20/25/32/40/50VHM-A.																	
*6 2 to 21°C D.B.: When connecting PLFY-EMS20/25/32/40/50VHM-A.																	
*7 0 Pa which is configured at the factory																	
*8 94 (207), for PUMY-SP125/140VKMD3-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.																	