

1. SPECIFICATIONS

S-Series

PUMY-SP-VKMD3-A, PUMY-SP-YKMD3-A, PUMY-P-YKMD3-A, PUMY-P-YBM2-A

Model					PUMY-SP80YKMD3(-BS)					PUMY-SP112YKMD3(-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					1.79					2.79																													
Current input A					3.20-3.04-2.93, 3.20					4.66-4.43-4.27, 4.66																																		
COP					kW/kW					5.02					4.48																													
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					2.93																													
Current input A					3.24-3.08-2.97, 3.24					4.90-4.65-4.48, 4.90																																		
COP					kW/kW					5.52					4.77																													
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 1 unit					P10-P100					5					4					3					P10-P140					5				
										Branch box					P15-P100					3					4					5					P15-P100					5				
										Branch box 2 units					CITY MULTI					P10-P100					3					2					1					P10-P140				
					Branch box					P15-P100					5					6					7					P15-P100					8									
Sound pressure level (measured in anechoic room)					dB <A>					51/54					52/54																													
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					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.					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					1.5					2.0																													
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) *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 Btu/h = kW × 3,412 cfm = m³/min × 35.31 lb = kg/0.4536 Above specification data is subject to rounding variation.																													
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°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.																																												
*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 95 (209), for PUMY-SP80/112YKMD3-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-SP125YKMD3(-BS)				PUMY-SP140YKMD3(-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		3.36				3.67							
Current input A				5.55-5.28-5.09, 5.55				6.00-5.70-5.50, 6.00									
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				5.87-5.57-5.37, 5.87				6.38-6.06-5.84, 6.38									
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		mm (inch)				9.52 (3/8) Flare							
				Gas pipe		mm (inch)				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 20 to 100				Cooling 21 to 100					
						Heating 18 to 100				Heating 17 to 100							
						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)				94 (207)*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 95 (209), for PUMY-SP125/140YKMD3-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-VKMD3-A, PUMY-SP-YKMD3-A, PUMY-P-YKM3-A, PUMY-P-YBM2-A