

SERIES SELECTION

Eco-conscious Power Inverter Series



Indoor Unit

R32

R410A



PEAD-M35/50/60/71/100/125/140

Outdoor Unit

R32

For Single



PUZ-ZM35/50



PUZ-ZM60/71



PUZ-ZM100/125/140

R32

For Multi



PUZ-ZM71



PUZ-ZM100/125/140

Remote Controller



Optional



Optional



Optional

PEAD-M JA Indoor Unit Combinations Indoor unit combinations shown below are possible.

Indoor Unit Combination		Outdoor Unit Capacity																			
		For Single									For Twin						For Triple			For Quadruple	
		35	50	60	71	100	125	140	200	250	71	100	125	140	200	250	140	200	250	200	250
Power Inverter (PUZ-ZM)		35x1	50x1	60x1	71x1	100x1	125x1	140x1	—	—	35x2	50x2	60x2	71x2	—	—	50x3	—	—	—	—
	Distribution Pipe	—	—	—	—	—	—	—	—	—	MSDD-50TR2-E				—		MSDT-111R2-E			—	

PEDZ-M JA SERIES

Eco-conscious Power Inverter



Type			Inverter Heat Pump									
Indoor Unit			PEAD-M35JA(L)	PEAD-M50JA(L)	PEAD-M60JA(L)	PEAD-M71JA(L)	PEAD-M100JA(L)		PEAD-M125JA(L)		PEAD-M140JA(L)	
Outdoor Unit			PUZ-ZM35VKA	PUZ-ZM50VKA	PUZ-ZM60VHA	PUZ-ZM71VHA	PUZ-ZM100VKA	PUZ-ZM100YKA	PUZ-ZM125VKA	PUZ-ZM125YKA	PUZ-ZM140VKA	PUZ-ZM140YKA
Refrigerant			R32*1									
Power Supply			Outdoor power supply									
Cooling			VKA · VHA-230 / Single / 50, YKA-400 / Three / 50									
Cooling	Capacity	Rated	kW	3.6	5.0	6.1	7.1	9.5	9.5	12.5	12.5	13.4
		Min - Max	kW	1.6 - 4.5	2.3 - 5.6	2.7 - 6.7	3.3 - 8.1	4.9 - 11.4	4.9 - 11.4	5.5 - 14.0	5.5 - 14.0	6.2 - 15.3
	Total Input	Rated	kW	0.837(0.820)	1.201(1.187)	1.509(1.495)	1.858(1.844)	2.272(2.256)	2.272(2.256)	3.333(3.315)	3.333(3.315)	3.631(3.611)
				4.30(4.39)	4.16(4.21)	4.04(4.08)	3.82(3.85)	4.18(4.21)	4.18(4.21)	3.75(3.77)	3.75(3.77)	3.69(3.71)
	EEL Rank			—	—	—	—	—	—	—	—	—
	Design Load	Rated	kW	3.6	5.0	6.1	7.1	9.5	9.5	—	—	—
		Min - Max	kW	1.6 - 4.5	2.3 - 5.6	2.7 - 6.7	3.3 - 8.1	4.9 - 11.4	4.9 - 11.4	5.5 - 14.0	5.5 - 14.0	6.2 - 15.3
	Annual Electricity Consumption*2	Rated	kWh/a	217(201)	282(268)	350(337)	428(414)	534(521)	534(532)	—	—	—
				5.8(6.2)	6.2(6.5)	6.1(6.3)	5.8(6.0)	6.2(6.3)	6.1(6.2)	—	—	—
	Energy Efficiency Class			A+ (A++)	A+ (A++)	A+ (A++)	A+ (A+)	A+ (A++)	A+ (A++)	—	—	—
Heating (Average Season)	Capacity	Rated	kW	4.1	6.0	7.0	8.0	11.2	11.2	14.0	14.0	16.0
		Min - Max	kW	1.6 - 5.2	2.5 - 7.3	2.8 - 8.2	3.5 - 10.2	4.5 - 14.0	4.5 - 14.0	5.0 - 16.0	5.0 - 16.0	5.7 - 18.0
	Total Input	Rated	kW	0.917	1.312	1.616	1.932	2.598	2.598	3.349	3.349	3.970
				4.47	4.57	4.33	4.14	4.31	4.31	4.18	4.18	4.03
	EEL Rank			—	—	—	—	—	—	—	—	—
	Design Load	Rated	kW	2.4	3.8	4.4	4.9	7.8	7.8	—	—	—
		Min - Max	kW	1.6 - 5.2	2.5 - 7.3	2.8 - 8.2	3.5 - 10.2	4.5 - 14.0	4.5 - 14.0	5.0 - 16.0	5.0 - 16.0	5.7 - 18.0
	Declared Capacity	at reference design temperature	kW	2.4(-10°C)	3.8(-10°C)	4.4(-10°C)	4.9(-10°C)	7.8(-10°C)	7.8(-10°C)	—	—	—
		at bivalent temperature	kW	2.4(-10°C)	3.8(-10°C)	4.4(-10°C)	4.9(-10°C)	7.8(-10°C)	7.8(-10°C)	—	—	—
		at operation limit temperature	kW	2.2(-11°C)	3.7(-11°C)	2.8(-20°C)	3.7(-20°C)	5.8(-20°C)	5.8(-20°C)	—	—	—
Operating Current (max)	Input (Cooling / Heating)	Rated	kW	0.09/0.07	0.11/0.09	0.12/0.10	0.17/0.15	0.25/0.23	0.25/0.23	0.36/0.34	0.36/0.34	0.39/0.37
			A	1.07	1.39	1.62	1.97	2.65	2.65	2.76	2.76	2.78
	Dimensions <Panel>		mm	250-900-732		250-1100-732		250-1400-732		250-1600-732		
	Weight <Panel>	kg		26(25)	27(26)	30(29)	30(29)	39(38)	39(38)	40(39)	40(39)	44(43)
				10.0-12.0-14.0	12.0-14.5-17.0	14.5-18.0-21.0	17.5-21.0-25.0	24.0-29.0-34.0	24.0-29.0-34.0	29.5-35.5-42.0	29.5-35.5-42.0	32.0-39.0-46.0
	Air Volume (Lo-Mid-Hi)		m³/min	10.0-12.0-14.0		12.0-14.5-17.0		14.5-18.0-21.0		17.5-21.0-25.0		
	External Static Pressure	Pa		10.0-12.0-14.0		12.0-14.5-17.0		14.5-18.0-21.0		17.5-21.0-25.0		
				10.0-12.0-14.0		12.0-14.5-17.0		14.5-18.0-21.0		17.5-21.0-25.0		
	Sound Level (SPL) (Lo-Mid-Hi)	dB(A)		23-27-30		26-31-35		25-29-33		26-30-34		
				23-27-30		26-31-35		25-29-33		26-30-34		
Outdoor Unit	Sound Level (PWL)	dB(A)		54		55		58		62		
				54		55		58		62		
	Dimensions		mm	630-809-300		943-950-330(+25)		1338-1050-330(+40)		1338-1050-330(+40)		
	Weight	kg		46		70		116		123		
				46		70		116		123		
	Air Volume	m³/min		45		55		110		120		
				45		55		110		120		
	Sound Level (SPL)	dB(A)		44		47		49		50		
				44		47		49		50		
	Sound Level (PWL)	dB(A)		46		49		51		52		
				46		49		51		52		
Ext. Piping	Operating Current (max)	Rated	A	13.0		13.0		19.0		19.0		
				13.0		13.0		19.0		19.0		
	Breaker Size	A		16		16		25		25		
				16		16		25		25		
	Diameter	Liquid / Gas	mm	6.35 / 12.7		6.35 / 12.7		9.52 / 15.88		9.52 / 15.88		
				6.35 / 12.7		6.35 / 12.7		9.52 / 15.88		9.52 / 15.88		
	Max. Length	Out-In	m	50		50		55		55		
				50		50		55		55		
	Max. Height	Out-In	m	30		30		30		30		
				30		30		30		30		
Guaranteed Operating Range [Outdoor]	Cooling*3	°C		-15 ~ +46		-15 ~ +46		-15 ~ +46		-15 ~ +46		
				-15 ~ +46		-15 ~ +46		-15 ~ +46		-15 ~ +46		

*1 Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 550. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 550 times higher than 1 kg of CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

The GWP of R32 is 675 in the IPCC 4th Assessment Report.

*2 Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

*3 Optional air protection guide is required where ambient temperature is lower than -5°C.