

SERIES SELECTION

Eco-conscious Power Inverter Series



Indoor Unit

R32
R410A



Panel PLA-ZM35/50/60/71/100/125/140EA

Panel	With Signal Receiver	With 3D i-see Sensor	With Wireless Remote Controller	With Auto Elevation
PLP-6EA				
PLP-6EAL	✓			
PLP-6EAE		✓		
PLP-6EALE	✓	✓		
PLP-6EAJ	✓			✓
PLP-6EAJE	✓	✓		✓
PLP-6EALM	✓		✓	
PLP-6EALME	✓	✓	✓	

Outdoor Unit

R32

For Single



R32

For Multi



Remote Controller



Optional



Optional



* Enclosed in PLP-6EALM/PLP-6EALME

PLA-ZM EA 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			-

PLZ-ZM SERIES

Eco-conscious Power Inverter



Type		Inverter Heat Pump												
Indoor Unit		PLA-ZM35EA	PLA-ZM50EA	PLA-ZM60EA	PLA-ZM71EA	PLA-ZM100EA		PLA-ZM125EA		PLA-ZM140EA				
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												
Outdoor (V/Phase/Hz)		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	13.4	
		Min - Max	kW	1.6 - 4.5	2.3 - 5.6	2.7 - 6.5	3.3 - 8.1	4.9 - 11.4	4.9 - 11.4	5.5 - 14.0	5.5 - 14.0	6.2 - 15.0	6.2 - 15.0	
	Total Input	Rated	kW	0.705	1.106	1.452	1.651	2.065	2.065	3.378	3.378	3.722	3.722	
	EER			5.10	4.52	4.20	4.30	4.60	4.60	3.70	3.70	3.60	3.60	
		EEL Rank		-	-	-	-	-	-	-	-	-	-	
		Design Load	kW	3.6	5.0	6.1	7.1	9.5	9.5	-	-	-	-	
		Annual Electricity Consumption*2	kWh/a	168	230	296	327	432	443	-	-	-	-	
		SEER		7.5	7.6	7.2	7.6	7.7	7.5	-	-	-	-	
		Energy Efficiency Class		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	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	5.7 - 18.0	
Total Input		Rated	kW	0.820	1.363	1.707	1.818	2.604	2.604	3.674	3.674	4.312	4.312	
COP				5.00	4.40	4.10	4.40	4.30	4.30	3.81	3.81	3.71	3.71	
		EEL Rank		-	-	-	-	-	-	-	-	-	-	
		Design Load	kW	2.5	3.8	4.4	4.7	7.8	7.8	-	-	-	-	
		Declared Capacity	at reference design temperature	kW	2.5 (-10°C)	3.8 (-10°C)	4.4 (-10°C)	4.7 (-10°C)	7.8 (-10°C)	7.8 (-10°C)	-	-	-	-
			at bivalent temperature	kW	2.5 (-10°C)	3.8 (-10°C)	4.4 (-10°C)	4.7 (-10°C)	7.8 (-10°C)	7.8 (-10°C)	-	-	-	-
			at operation limit temperature	kW	2.1 (-11°C)	3.7 (-11°C)	2.8 (-20°C)	3.5 (-20°C)	5.8 (-20°C)	5.8 (-20°C)	-	-	-	-
		Back Up Heating Capacity	kW	0	0	0	0	0	0	-	-	-	-	
	Annual Electricity Consumption*2	kWh/a	745	1083	1339	1370	2277	2277	-	-	-	-		
	SCOP		4.7	4.9	4.6	4.8	4.8	4.8	-	-	-	-		
	Energy Efficiency Class		A++	A++	A++	A++	A++	A++	-	-	-	-		
Operating Current (max)	Indoor Unit	A	13.2	13.2	19.2	19.3	27.0	8.5	27.0	10.0	28.7	13.7		
	Outdoor Unit	A	0.03	0.03	0.03	0.05	0.07	0.07	0.08	0.08	0.10	0.10		
Indoor Unit	Operating Current (max)	A	0.21	0.22	0.22	0.34	0.47	0.47	0.52	0.52	0.66	0.66		
	Dimensions <Panel>	H x W x D	mm	258 - 840 - 840 <40 - 950 - 950>		24 <5>		26 <5>		298 - 840 - 840 <40 - 950 - 950>		26 <5>		
	Weight <Panel>	kg	21 <5>		24 <5>		26 <5>		26 <5>		26 <5>			
	Air Volume [Lo-Mi2-Mi1-Hi]	m³/min	11-13-15-16	12-14-16-18	12-14-16-18	17-19-21-23	19-22-25-28	19-22-25-28	21-24-26-29	21-24-26-29	24-26-29-32	24-26-29-32		
	Sound Level (SPL) [Lo-Mi2-Mi1-Hi]	dB(A)	26-28-29-31	27-29-31-32	27-29-31-32	28-30-33-36	31-34-37-40	31-34-37-40	33-36-39-41	33-36-39-41	36-39-42-44	36-39-42-44		
	Sound Level (PWL)	dB(A)	51	54	54	57	61	61	62	62	65	65		
	Dimensions	H x W x D	mm	630 - 809 - 300		943 - 950 - 330 (+25)		116		1,338 - 1,050 - 330 (+40)		118		
	Weight	kg	46	46	70	70	116	123	116	125	118	131		
	Air Volume	m³/min	45	45	55	55	110	110	120	120	120	120		
	Outdoor Unit	Sound Level (SPL)	Heating	dB(A)	44	44	47	47	49	49	50	50	50	
		Cooling	dB(A)	44	44	47	47	49	49	50	50	50		
Sound Level (PWL)		Heating	dB(A)	46	46	49	49	51	51	52	52	52		
		Cooling	dB(A)	65	65	67	67	69	69	70	70	70		
Operating Current (max)		A	13.0	13.0	19.0	19.0	26.5	8.0	26.5	9.5	28.0	13.0		
Breaker Size		A	16	16	25	25	32	16	32	16	40	16		
Ext. Piping	Diameter	Liquid / Gas	mm	6.35 / 12.7		9.52 / 15.88		9.52 / 15.88		9.52 / 15.88		9.52 / 15.88		
	Max. Length	Out-In	m	50	50	55	59	100	100	100	100	100		
	Max. Height	Out-In	m	30	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	-15 ~ +46	-15 ~ +46		
	Heating	°C	-11 ~ +21	-11 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21		

*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.