

PLA-ZM SERIES

POWER INVERTER



Type		Inverter Heat Pump												
Indoor Unit		PLA-M35EA2	PLA-M50EA2	PLA-M60EA2	PLA-M71EA2	PLA-M100EA2	PLA-M125EA2	PLA-M152EA2	PLA-M140EA2	PLA-M140EA2	PLA-M140EA2	PLA-M140EA2		
Outdoor Unit		PUHZ-ZRP35KA2	PUHZ-ZRP50KA2	PUHZ-ZRP60HA2	PUHZ-ZRP71VA2	PUHZ-ZRP100KA3	PUHZ-ZRP125KA3	PUHZ-ZRP152KA3	PUHZ-ZRP140KA3	PUHZ-ZRP140KA3	PUHZ-ZRP140KA3	PUHZ-ZRP140KA3		
Refrigerant ⁽¹⁾		R410A												
Power Supply		Outdoor power supply VKA-VKA: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	0.782	1.330	1.660	1.790	2.200	2.200	3.846	3.846	4.364	4.364	
	EER			4.60	3.75	3.66	3.95	4.32	4.32	3.25	3.25	3.07	3.07	
	Design load		kW	3.6	5.0	6.1	7.1	9.5	9.5	12.5	12.5	13.4	13.4	
Heating	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	0.850	1.550	1.890	1.900	2.600	2.600	3.674	3.674	4.848	4.848	
	COP			4.82	3.85	3.70	4.20	4.31	4.31	3.81	3.81	3.30	3.30	
	Design load		kW	2.5	3.8	4.4	4.7	7.8	7.8	9.5	9.5	11.2	11.2	
Operating Current(Max)	Input [cooling / Heating]	Rated	kW	0.03 / 0.03	0.03 / 0.03	0.03 / 0.03	0.05 / 0.05	0.07 / 0.07	0.07 / 0.07	0.08 / 0.08	0.08 / 0.08	0.10 / 0.10	0.10 / 0.10	
	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	H*W*D	mm	258-840-840 <40-950-950>										
	Weight		kg	21 <5> 21 <5> 21 <5> 21 <5> 24 <5> 26 <5> 26 <5> 26 <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 14-17-19-21 19-23-26-29 19-23-26-29 21-24-26-29 21-24-26-29 24-26-29-32 24-26-29-32										
Outdoor Unit	Dimensions	H*W*D	mm	630-809-300 630-809-300 943-960-330(40) 943-960-330(40) 1338-1050-330(40) 1338-1050-330(40) 1338-1050-330(40) 1338-1050-330(40) 1338-1050-330(40) 1338-1050-330(40)										
	Weight		kg	43 46 70 70 116 116 123 116 125 118 131										
	Air Volume	Cooling	m³/min	45 45 55 55 110 110 110 110 120 120 120 120										
		Heating	m³/min	45 45 55 55 110 110 110 110 120 120 120 120										
	Sound Level (SPL)	Cooling	dB(A)	44 44 47 47 49 49 50 50 50 50 50										
Ext.Piping	Diameter ⁽⁵⁾	Liquid/Gas	mm	6.35 / 12.7 6.35 / 12.7 9.52 / 15.88 9.52 / 15.88 9.52 / 15.88 9.52 / 15.88 9.52 / 15.88 9.52 / 15.88 9.52 / 15.88 9.52 / 15.88										
	Max.Length	Out-In	m	50 50 50 50 75 75 75 75 75 75 75										
	Max.Height	Out-In	m	30 30 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 -11 ~ +21 -11 ~ +21 -11 ~ +21 -11 ~ +21 -11 ~ +21 -11 ~ +21 -11 ~ +21 -11 ~ +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 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 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 R410A is 2088 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. *4 SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012.
 *5 Joint pipe is required depending on installed refrigerant pipes, outdoor units and indoor units.

PLA-M SERIES

STANDARD INVERTER



Type		Inverter Heat Pump												
Indoor Unit		PLA-M35EA2	PLA-M50EA2	PLA-M60EA2	PLA-M71EA2	PLA-M100EA2	PLA-M125EA2	PLA-M152EA2	PLA-M140EA2	PLA-M140EA2	PLA-M140EA2	PLA-M140EA2		
Outdoor Unit		SUZ-KA35VA6	SUZ-KA50VA6	SUZ-KA60VA6	SUZ-KA71VA6	PUHZ-P100VKA	PUHZ-P100VKA	PUHZ-P125VKA	PUHZ-P125VKA	PUHZ-P140VKA	PUHZ-P140VKA	PUHZ-P140VKA		
Refrigerant ⁽¹⁾		R410A												
Power Supply		Outdoor power supply VA-VKA:230/Single/50, YKA:400/Three/50												
Cooling	Capacity	Rated	kW	3.6	5.5	5.7	7.1	9.4	9.4	12.1	12.1	13.6	13.6	
		Min-Max	kW	1.4 - 3.9	2.3 - 5.6	2.3 - 6.3	2.8 - 8.1	3.7 - 10.6	3.7 - 10.6	5.6 - 13.0	5.6 - 13.0	5.8 - 14.1	5.8 - 14.1	
	Total Input	Rated	kW	1.020	1.610	1.760	2.100	3.186	3.186	4.101	4.101	5.418	5.418	
	EER			3.53	3.42	3.24	3.38	2.95	2.95	2.95	2.95	2.51	2.51	
	Design load		kW	3.6	5.5	5.7	7.1	9.4	9.4	12.1	12.1	13.6	13.6	
Heating	Capacity	Rated	kW	4.1	5.8	6.9	8.0	11.2	11.2	13.5	13.5	15.0	15.0	
		Min-Max	kW	1.7 - 5.0	1.7 - 7.2	2.5 - 8.0	2.6 - 10.2	2.8 - 12.5	2.8 - 12.5	4.8 - 15.0	4.8 - 15.0	4.9 - 15.8	4.9 - 15.8	
	Total Input	Rated	kW	1.000	1.690	1.970	2.247	3.265	3.265	3.846	3.846	4.672	4.672	
	COP			4.10	3.43	3.50	3.56	3.43	3.43	3.51	3.51	3.21	3.21	
	Design load		kW	2.6	4.3	4.6	5.8	8.0	8.0	9.5	9.5	11.2	11.2	
Operating Current(Max)	Input [cooling / Heating]	Rated	kW	0.03 / 0.03	0.03 / 0.03	0.03 / 0.03	0.04 / 0.04	0.07 / 0.07	0.07 / 0.07	0.10 / 0.10	0.10 / 0.10	0.10 / 0.10	0.10 / 0.10	
	Operating Current(Max)		A	0.20	0.22	0.24	0.27	0.46	0.46	0.66	0.66	0.66	0.66	
	Dimensions	H*W*D	mm	258-840-840 <40-950-950>										
	Weight		kg	19 <5> 19 <5> 19 <5> 21 <5> 21 <5> 24 <5> 24 <5> 26 <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 14-17-19-21 19-23-26-29 19-23-26-29 21-25-28-31 21-25-28-31 24-26-29-32 24-26-29-32										
Outdoor Unit	Dimensions	H*W*D	mm	550-800-285 880-840-330 880-840-330 880-840-330 981-1050-330 981-1050-330 981-1050-330 981-1050-330 981-1050-330 981-1050-330										
	Weight		kg	35 35 54 50 53 76 78 84 85 86 86 86										
	Air Volume	Cooling	m³/min	36.3 44.6 40.9 50.1 79 79 86 86 86 86 86 86										
		Heating	m³/min	34.8 44.6 49.2 49.2 79 79 92 92 92 92 92 92										
	Sound Level (SPL)	Cooling	dB(A)	49 52 55 55 51 51 54 54 56 56 57 57										
Ext.Piping	Diameter ⁽⁵⁾	Liquid/Gas	mm	6.35 / 9.52 6.35 / 12.7 6.35 / 15.88 9.52 / 15.88 9.52 / 15.88 9.52 / 15.88 9.52 / 15.88 9.52 / 15.88 9.52 / 15.88 9.52 / 15.88										
	Max.Length	Out-In	m	20 20 30 30 50 50 50 50 50 50 50 50										
	Max.Height	Out-In	m	12 30 30 30 30 30 30 30 30 30 30 30										
	Guaranteed Operating Range (Outdoor)	Cooling ⁽³⁾	°C	-10 ~ +46 -15 ~ +46 -15 ~ +46 -15 ~ +46 -15 ~ +46 -15 ~ +46 -15 ~ +46 -15 ~ +46 -15 ~ +46 -15 ~ +46										
		Heating	°C	-10 ~ +24 -10 ~ +24 -10 ~ +24 -10 ~ +24 -10 ~ +24 -10 ~ +24 -10 ~ +24 -10 ~ +24 -10 ~ +24 -10 ~ +24										

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