

# PLZ-RP SERIES

## POWER INVERTER



Type		Inverter Heat Pump												
Indoor Unit		PLA-ZM35EA	PLA-ZM50EA	PLA-ZM60EA	PLA-ZM71EA	PLA-ZM100EA		PLA-ZM125EA		PLA-ZM140EA				
Outdoor Unit		PUHZ-ZRP35VKA2	PUHZ-ZRP50VKA2	PUHZ-ZRP60VHA2	PUHZ-ZRP71VHA2	PUHZ-ZRP100VKA3	PUHZ-ZRP100YKA3	PUHZ-ZRP125VKA3	PUHZ-ZRP125YKA3	PUHZ-ZRP140VKA3	PUHZ-ZRP140YKA3			
Refrigerant		R410A <sup>†1</sup>												
Power Supply		Outdoor power supply VKA · VHA:230 / Single / 50, YKA:400 / Three / 50												
Cooling	Capacity	Rated	kW											
	Min - Max	kW												
	Total Input	Rated	kW											
	EER	-												
	EEL Rank		-											
	Design Load	kW												
	Annual Electricity Consumption <sup>*2</sup>	kWh/a												
	SEER	-												
	Energy Efficiency Class		A++											
	Capacity	Rated	kW											
	Min - Max	kW												
	Total Input	Rated	kW											
COP	-													
EEL Rank		-												
Design Load	kW													
Declared Capacity	at reference design temperature	kW												
	at bivalent temperature	kW												
	at operation limit temperature	kW												
Back Up Heating Capacity	kW													
	Annual Electricity Consumption <sup>*2</sup>	kWh/a												
SCOP	-													
Energy Efficiency Class		A++												
Operating Current (max)		A												
Indoor Unit	Input	Rated	kW											
	Operating Current (max)	A												
	Dimensions <Panel>	H × W × D	mm											
	Weight <Panel>	kg												
	Air Volume [Lo-Mi2-Mi1-Hi]	m <sup>3</sup> /min												
	Sound Level (SPL) [Lo-Mi2-Mi1-Hi]	Cooling	dB(A)											
		Heating	dB(A)											
	Sound Level (PWL)	Cooling	dB(A)											
		Heating	dB(A)											
	Operating Current (max)	Cooling	A											
Heating		A												
Outdoor Unit	Dimensions	H × W × D	mm											
	Weight	kg												
	Air Volume	Cooling	m <sup>3</sup> /min											
	Heating	m <sup>3</sup> /min												
Sound Level (SPL)	Cooling	dB(A)												
	Heating	dB(A)												
Sound Level (PWL)	Cooling	dB(A)												
	Heating	dB(A)												
Operating Current (max)	Cooling	A												
	Heating	A												
Ext. Piping	Diameter	Liquid / Gas	mm											
	Max. Length	Out-In	m											
	Max. Height	Out-In	m											
		Out-In	m											
Guaranteed Operating Range [Outdoor]	Cooling <sup>*3</sup>	°C												
	Heating	°C												

<sup>†1</sup> 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 CO<sub>2</sub>, 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.

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

<sup>\*3</sup> Optional air protection guide is required where ambient temperature is lower than -5°C.

# PLZ-P SERIES

## STANDARD INVERTER



Type		Inverter Heat Pump												
Indoor Unit		PLA-RP35EA	PLA-RP50EA	PLA-RP60EA	PLA-RP71EA	PLA-RP100EA		PLA-RP125EA		PLA-RP140EA				
Outdoor Unit		SUZ-KA35VA6	SUZ-KA50VA6	SUZ-KA60VA6	SUZ-KA71VA6	PUHZ-P100YKA	PUHZ-P100YKA	PUHZ-P125YKA	PUHZ-P125YKA	PUHZ-P140YKA	PUHZ-P140YKA			
Refrigerant		R410A <sup>†1</sup>												
Power Supply		Outdoor power supply VA · VKA:230 / Single / 50, YKA:400 / Three / 50												
Cooling	Capacity	Rated	kW											
	Min - Max	kW												
	Total Input	Rated	kW											
	EER	-												
	EEL Rank		-											
	Design Load	kW												
	Annual Electricity Consumption <sup>*2</sup>	kWh/a												
	SEER	-												
	Energy Efficiency Class		A++											
	Capacity	Rated	kW											
	Min - Max	kW												
	Total Input	Rated	kW											
COP	-													
EEL Rank		-												
Design Load	kW													
Declared Capacity	at reference design temperature	kW												
	at bivalent temperature	kW												
	at operation limit temperature	kW												
Back Up Heating Capacity	kW													
	Annual Electricity Consumption <sup>*2</sup>	kWh/a												
SCOP	-													
Energy Efficiency Class		A+												
Operating Current (max)		A												
Indoor Unit	Input	Rated	kW											
	Operating Current (max)	A												
	Dimensions <Panel>	H × W × D	mm											
	Weight <Panel>	kg												
	Air Volume [Lo-Mi2-Mi1-Hi]	m <sup>3</sup> /min												
	Sound Level (SPL) [Lo-Mi2-Mi1-Hi]	Cooling	dB(A)											
		Heating	dB(A)											
	Sound Level (PWL)	Cooling	dB(A)											
		Heating	dB(A)											
	Operating Current (max)	Cooling	A											
Heating		A												
Outdoor Unit	Dimensions	H × W × D	mm											
	Weight	kg												
	Air Volume	Cooling	m <sup>3</sup> /min											
	Heating	m <sup>3</sup> /min												
Sound Level (SPL)	Cooling	dB(A)												
	Heating	dB(A)												
Sound Level (PWL)	Cooling	dB(A)												
	Heating	dB(A)												
Operating Current (max)	Cooling	A												
	Heating	A												
Ext. Piping	Diameter	Liquid / Gas	mm											
	Max. Length	Out-In	m											
	Max. Height	Out-In	m											
		Out-In	m											
Guaranteed Operating Range [Outdoor]	Cooling <sup>*3</sup>	°C												
	Heating	°C												

<sup>†1</sup> 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 CO<sub>2</sub>, 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.

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

<sup>\*3</sup> Optional air protection guide is required where ambient temperature is lower than -5°C.

# PLZ-RP SERIES

## POWER INVERTER



Type		Inverter Heat Pump												
Indoor Unit		PLA-RP35EA	PLA-RP50EA	PLA-RP60EA	PLA-RP71EA	PLA-RP100EA		PLA-RP125EA		PLA-RP140EA				
Outdoor Unit		PUHZ-ZRP35VKA2	PUHZ-ZRP50VKA2	PUHZ-ZRP60VHA2	PUHZ-ZRP71VHA2	PUHZ-ZRP100VKA3	PUHZ-ZRP100YKA3	PUHZ-ZRP125VKA3	PUHZ-ZRP125YKA3	PUHZ-ZRP140VKA3	PUHZ-ZRP140YKA3			
Refrigerant		R410A*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	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	0.83	1.42	1.75	1.87	2.23	2.23	3.87	3.87	4.39	4.39	
	EER			-	-	-	-	-	-	3.23	3.23	3.05	3.05	
		EEL Rank												
		Design Load	kW	3.6	5.0	6.1	7.1	9.5	9.5	-	-	-	-	
		Annual Electricity Consumption*2	kWh/a	174	258	321	341	465	476	-	-	-	-	
		SEER		7.2	6.7	6.6	7.2	7.1	6.9	-	-	-	-	
			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 - 5.8	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	0.92	1.81	2.07	2.11	2.69	2.69	3.77	3.77	4.90	4.90	
COP				-	-	-	-	-	-	3.71	3.71	3.26	3.26	
		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	764	1212	1418	1402	2468	2468	-	-	-	-		
	SCOP		4.5	4.3	4.3	4.6	4.4	4.4	-	-	-	-		
		Energy Efficiency Class	A+	A+	A+	A++	A+	A+	-	-	-	-		
Operating Current (max)		A	13.2	13.2	19.2	19.3	27.0	8.5	27.2	10.2	28.7	13.7		
Indoor Unit	Input	Rated	kW	0.03	0.03	0.03	0.04	0.07	0.07	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 <Panel>	H x W x D	mm	258 - 840 - 840 <40 - 950 - 950>			21 <5>			24 <5>		26 <5>		
	Weight <Panel>	kg	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		
	Sound Level (SPL) [Lo-Mi2-Mi1-Hi]	dB(A)	26-28-29-31	27-29-31-32	27-29-31-32	28-30-32-34	31-34-37-40	31-34-37-40	33-37-41-44	33-37-41-44	36-39-42-44	36-39-42-44		
	Sound Level (PWL)	dB(A)	51	54	54	56	61	61	65	65	65	65		
	Dimensions	H x W x D	mm	630 - 809 - 300			943 - 950 - 330 (+30)			1338 - 1050 - 330 (+40)		118		
	Weight	kg	43	46	70	70	116	123	116	125	118	131		
	Air Volume	m³/min	45	45	55	55	110	110	120	120	120	120		
Sound Level (SPL)	Heating	dB(A)	45	45	55	55	110	110	120	120	120	120		
	Cooling	dB(A)	44	44	47	47	49	49	50	50	50	50		
	Heating	dB(A)	46	46	48	48	51	51	52	52	52	52		
	Cooling	dB(A)	65	65	67	67	69	69	70	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	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		
	Max. Length	Out-In	m	50	50	50	50	75	75	75	75	75		
	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		

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