

# PLZ-RP SERIES

## POWER INVERTER



Type		Inverter Heat Pump													
Indoor Unit		PLA-ZRP35BA	PLA-ZRP50BA	PLA-ZRP60BA	PLA-ZRP71BA	PLA-ZRP100BA		PLA-ZRP125BA		PLA-ZRP140BA					
Outdoor Unit		PUHZ-ZRP35VKA	PUHZ-ZRP50VKA	PUHZ-ZRP60VHA	PUHZ-ZRP71VHA	PUHZ-ZRP100VKA	PUHZ-ZRP100YKA	PUHZ-ZRP125VKA	PUHZ-ZRP125YKA	PUHZ-ZRP140VKA	PUHZ-ZRP140YKA				
Refrigerant		R410A <sup>*1</sup>													
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	10.0	10.0	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		0.79	1.43	1.78	1.77	2.60	2.60	3.87	3.87	4.37	4.37	
	EER				-	-	-	-	-	-	3.23	3.23	3.07	3.07	
		EEL Rank			-	-	-	-	-	-	-	-	-	-	
	Design Load		kW		3.6	5.0	6.1	7.1	10.0	10.0	12.5	12.5	13.4	13.4	
	Annual Electricity Consumption <sup>*2</sup>		kWh/a		185	272	350	370	538	549	725	736	770	781	
	SEER				6.8	6.4	6.1	6.7	6.5	6.4	6.0 <sup>+</sup>	5.9 <sup>+</sup>	6.1 <sup>+</sup>	6.0 <sup>+</sup>	
		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		0.86	1.57	2.04	1.99	2.61	2.61	3.67	3.67	4.70	4.70		
COP				-	-	-	-	-	-	3.81	3.81	3.40	3.40		
	EEL Rank			-	-	-	-	-	-	-	-	-	-		
Design Load		kW		2.4	3.8	4.4	4.7	7.8	7.8	9.3	9.3	10.6	10.6		
Declared Capacity	at reference design temperature	kW		2.4 (-10°C)	3.8 (-10°C)	4.4 (-10°C)	4.7 (-10°C)	7.8 (-10°C)	7.8 (-10°C)	9.3 (-10°C)	9.3 (-10°C)	10.6 (-10°C)	10.6 (-10°C)		
	at bivalent temperature	kW		2.4 (-10°C)	3.8 (-10°C)	4.4 (-10°C)	4.7 (-10°C)	7.8 (-10°C)	7.8 (-10°C)	9.3 (-10°C)	9.3 (-10°C)	10.6 (-10°C)	10.6 (-10°C)		
	at operation limit temperature	kW		2.2 (-11°C)	3.7 (-11°C)	2.8 (-20°C)	3.5 (-20°C)	5.8 (-20°C)	5.8 (-20°C)	7.0 (-20°C)	7.0 (-20°C)	7.9 (-20°C)	7.9 (-20°C)		
Back Up Heating Capacity		kW		0	0	0	0	0	0	0	0	0	0		
Annual Electricity Consumption <sup>*2</sup>		kWh/a		729	1162	1462	1476	2410	2410	3180	3180	3324	3324		
SCOP				4.6	4.6	4.2	4.5	4.6	4.6	4.1 <sup>+</sup>	4.1 <sup>+</sup>	4.5 <sup>+</sup>	4.5 <sup>+</sup>		
	Energy Efficiency Class			A++	A++	A+	A+	A++	A++	-	-	-	-		
Operating Current (max)	Indoor Unit	Input	Rated	A		13.3	13.3	19.3	19.5	27.2	8.7	27.3	10.3	29.1	12.1
		Operating Current (max)		A		0.04	0.04	0.04	0.05	0.08	0.08	0.09	0.09	0.12	0.12
		Dimensions <Panel>	H x W x D	mm		258 - 840	840 <35- 950 - 950>	930	25 <6>	26 <6>	298 - 840	840 <35- 950 - 950>	27 <6>	27 <6>	
		Weight <Panel>		kg		23 <6>	23 <6>	23 <6>	25 <6>	26 <6>	66	66	66	70	
		Air Volume [Lo-Mi2-Mi1-Hi]		m <sup>3</sup> /min		11-13-15-16	12-14-16-18	12-14-16-18	17-19-21-23	20-23-26-30	20-23-26-30	22-25-28-31	22-25-28-31	24-26-29-32	
		Sound Level (SPL) [Lo-Mi2-Mi1-Hi]		dB(A)		27-28-29-31	28-29-31-32	28-29-31-32	28-30-34-36	32-34-37-40	32-34-37-40	34-36-39-41	34-36-39-41	36-39-42-44	
		Sound Level (PWL)		dB(A)		54	55	55	58	65	65	66	66	70	
		Dimensions	H x W x D	mm		630 - 809 - 300	943 - 950 - 330 (+30)	67	116	124	1338 - 1050 - 330 (+30)	116	126	119	
		Weight		kg		43	46	67	67	116	124	116	126	119	
		Air Volume	Cooling	m <sup>3</sup> /min		45.0	45.0	55.0	55.0	110.0	110.0	120.0	120.0	120.0	
	Heating	m <sup>3</sup> /min		45.0	45.0	55.0	55.0	110.0	110.0	120.0	120.0	120.0			
	Sound Level (SPL)	Cooling	dB(A)		44	44	47	47	49	49	50	50	50		
	Heating	dB(A)		46	46	48	48	51	51	52	52	52			
	Sound Level (PWL)	Cooling	dB(A)		65	65	67	69	69	70	70	70			
	Heating	dB(A)		65	65	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		
	Breaker Size		A		16	16	25	25	32	16	32	16	40		
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			
	Max. Height	Out-In	m		30	30	30	30	30	30	30	30			
Guaranteed Operating Range [Outdoor]	Cooling <sup>*3</sup>		°C		-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			

<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 1kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1kg 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.  
<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. <sup>\*4</sup> SEER/SCOP values are measured based on EN14825. These values are reference purpose only.

# PLZ-P SERIES

## STANDARD INVERTER



Type		Inverter Heat Pump													
Indoor Unit		PLA-RP35BA	PLA-RP50BA	PLA-RP60BA	PLA-RP71BA	PLA-RP100BA		PLA-RP125BA		PLA-RP140BA2					
Outdoor Unit		SUZ-KA35VA4	SUZ-KA50VA4	SUZ-KA60VA4	SUZ-KA71VA4	PUHZ-P100VHA4	PUHZ-P100YHA2	PUHZ-P125VHA3	PUHZ-P125YHA	PUHZ-P140VHA3	PUHZ-P140YHA				
Refrigerant		R410A <sup>*1</sup>													
Power Supply		Outdoor power supply													
Outdoor (V/Phase/Hz)		VA4 · VHA4 · VHA3:230 / Single / 50, YHA2 · YHA:400 / Three / 50													
Cooling	Capacity	Rated	kW		3.6	5.5	6.1	7.1	9.4	9.4	12.3	12.3	13.6	13.6	
		Min - Max	kW		1.4 - 3.9	2.3 - 5.6	2.3 - 6.3	2.8 - 8.1	4.9 - 11.2	4.9 - 11.2	5.5 - 14.0	5.5 - 14.0	5.5 - 15.0	5.5 - 15.0	
	Total Input	Rated	kW		1.090	1.660	1.840	2.100	3.120	3.120	4.090	4.090	5.210	5.210	
	EER				-	-	-	-	-	-	3.01	3.01	2.61	2.61	
		EEL Rank			-	-	-	-	-	-	B	B	D	D	
	Design Load		kW		3.6	5.5	6.1	7.1	9.4	9.4	12.3	12.3	13.6	13.6	
	Annual Electricity Consumption <sup>*2</sup>		kWh/a		210	321	356	429	628	628	828	828	921	921	
	SEER				6.0	6.0	6.0	5.8	5.2	5.2	-	-	-	-	
		Energy Efficiency Class			A+	A+	A+	A+	A	A	-	-	-	-	
	Heating (Average Season)	Capacity	Rated	kW		4.1	6.0	6.9	8.0	11.2	11.2	14.0	14.0	16.0	16.0
	Min - Max	kW		1.7 - 5.0	1.7 - 7.2	2.5 - 8.0	2.6 - 10.2	4.5 - 12.5	4.5 - 12.5	5.0 - 16.0	5.0 - 16.0	5.0 - 18.0	5.0 - 18.0		
Total Input	Rated	kW		1.040	1.750	1.970	2.247	3.280	3.280	4.110	4.110	4.980	4.980		
COP				-	-	-	-	-	-	3.41	3.41	3.21	3.21		
	EEL Rank			-	-	-	-	-	-	B	B	C	C		
Design Load		kW		2.6	4.3	4.6	5.8	8.0	8.0	10.0	10.0	11.0	11.0		
Declared Capacity	at reference design temperature	kW		2.3 (-10°C)	3.8 (-10°C)	4.0 (-10°C)	4.7 (-10°C)	6.3 (-10°C)	6.3 (-10°C)	7.1 (-7°C)	7.1 (-7°C)	-	-		
	at bivalent temperature	kW		2.3 (-7°C)	3.8 (-7°C)	4.0 (-7°C)	4.7 (-7°C)	5.1 (-7°C)	5.1 (-7°C)	7.1 (-7°C)	7.1 (-7°C)	-	-		
	at operation limit temperature	kW		2.3 (-10°C)	3.8 (-10°C)	4.0 (-10°C)	4.7 (-10°C)	5.0 (-15°C)	5.0 (-15°C)	-	-	-	-		
Back Up Heating Capacity		kW		0.3	0.5	0.6	1.1	1.7	1.7	-	-	-	-		
Annual Electricity Consumption <sup>*2</sup>		kWh/a		867	1503	1570	1913	2945	2945	-	-	-	-		
SCOP				4.2	4.0	4.1	4.3	3.8	3.8	-	-	-	-		
	Energy Efficiency Class			A+	A+	A+	A+	A	A	-	-	-	-		
Operating Current (max)	Indoor Unit	Input	Rated	A		8.4	12.4	14.4	16.6	28.9	13.9	29.0	14.0	30.5	14.0
		Operating Current (max)		A		0.03	0.05	0.05	0.07	0.14	0.14	0.15	0.15	0.15	
		Dimensions <Panel>	H x W x D	mm		258 - 840	840 <35- 950 - 950>	930	25 <6>	26 <6>	298 - 840	840 <35- 950 - 950>	27 <6>	27 <6>	
		Weight <Panel>		kg		22 <6>	22 <6>	23 <6>	23 <6>	25 <6>	25 <6>	25 <6>	25 <6>		
		Air Volume [Lo-Mi2-Mi1-Hi]		m <sup>3</sup> /min		11-12-13-15	12-14-16-18	12-14-16-18	14-16-18-21	20-23-26-30	20-23-26-30	22-25-28-31	22-25-28-31	24-26-29-32	
		Sound Level (SPL) [Lo-Mi2-Mi1-Hi]		dB(A)		27-28-29-31	28-29-31-32	28-29-31-32	28-30-32-34	32-34-37-40	32-34-37-40	34-36-39-41	34-36-39-41	36-39-42-44	
		Sound Level (PWL)		dB(A)		54	55	55	56	62	62	63	63	70	
		Dimensions	H x W x D	mm		550 - 800 - 285	880 - 840 - 330	53	943 - 950 - 330 (+30)	62	62	63	63	70	
		Weight		kg		35	54	50	75	77	99	101	99		
		Air Volume	Cooling	m <sup>3</sup> /min		36.3	44.6	49.2	50.1	60.0	60.0	100.0	100.0	100.0	
	Heating	m <sup>3</sup> /min		34.8	44.6	49.2	48.2	60.0	60.0	100.0	100.0	100.0			
	Sound Level (SPL)	Cooling	dB(A)		49	52	55	55	54	55	55	55			
	Heating	dB(A)		50	52	55	55	54	55	55	55				
	Sound Level (PWL)	Cooling	dB(A)		62	65	65	69	70	71	71	73			
	Heating	dB(A)		62	65	65	69	70	71	71	73				
	Operating Current (max)														