

PLZ-RP SERIES

POWER INVERTER



Type			Inverter Heat Pump									
Indoor Unit			PLA-RP35BA	PLA-RP50BA	PLA-RP60BA	PLA-RP71BA	PLA-RP71BA2	PLA-RP100BA	PLA-RP100BA3	PLA-RP125BA	PLA-RP125BA2	PLA-RP140BA2
Outdoor Unit			PUHZ-RP35VHA4	PUHZ-RP50VHA4	PUHZ-RP60VHA4	PUHZ-RP71VHA4	PUHZ-RP71VHA4	PUHZ-RP100VKA(YKA)	PUHZ-RP100VKA(YKA)	PUHZ-RP125VKA(YKA)	PUHZ-RP125VKA(YKA)	PUHZ-RP140VKA(YKA)
Power Supply	Source		Outdoor power supply									
	Outdoor (V/Phase/Hz)		VHA · VKA:230 / Single / 50, YKA:400 / Three / 50									
Cooling			-									
Capacity	Rated	kW	3.6	5.0	6.0	7.1	7.1	10.0	10.0	12.5	12.5	14.0
	Min - Max	kW	1.6 - 4.5	2.3 - 5.6	2.7 - 6.7	3.3 - 8.1	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	kW	1.070	1.550	1.600	2.090	1.900	2.650	2.390	3.830	3.670	4.360
	EER		3.36	3.23	3.75	3.40	3.74	3.77	4.18	3.26	3.41	3.21
Heating			-									
Capacity	Rated	kW	4.1	6.0	7.0	8.0	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	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	kW	1.120	1.660	1.820	2.150	1.900	2.790	2.430	3.860	3.500	4.320
	COP		3.66	3.61	3.85	3.72	4.21	4.01	4.61	3.63	4.00	3.70
Operating Current (max)			13.2	13.4	19.4	19.5	19.5	27.4(8.9)	27.5(9.0)	27.5(10.5)	27.5(10.5)	29.1(12.1)
Indoor Unit	Input	Rated	kW	0.030	0.050	0.050	0.070	0.070	0.140	0.140	0.150	0.160
	Operating Current (max)	A	0.22	0.36	0.36	0.51	0.51	0.94	1.00	1.00	1.00	1.07
	Dimensions	H x W x D	mm	258 - 840 - 840					298 - 840 - 840			
	Weight	kg	22	22	23	23	23	25	26	25	27	27
	Air Volume [Lo-Mi2-Mi1-Hi]	m ³ /min	11.0-12.0-13.0-15.0	12.0-14.0-16.0-18.0	12.0-14.0-16.0-18.0	14.0-16.0-18.0-21.0	14.0-16.0-18.0-21.0	20.0-23.0-26.0-30.0	20.0-23.0-26.0-30.0	22.0-25.0-28.0-31.0	22.0-25.0-28.0-31.0	24.0-26.0-29.0-32.0
	External Static Pressure	Pa	-	-	-	-	-	-	-	-	-	-
	Sound Level [Lo-Mi2-Mi1-Hi]	dB(A)	27 - 28 - 29 - 31	28 - 29 - 31 - 32	28 - 29 - 31 - 32	28 - 30 - 32 - 34	28 - 30 - 32 - 34	32 - 34 - 37 - 40	32 - 34 - 37 - 40	34 - 36 - 39 - 41	34 - 36 - 39 - 41	36 - 39 - 42 - 44
	Breaker Size	A	-	-	-	-	-	-	-	-	-	-
	Dimensions	H x W x D	mm	35 - 950 - 950	35 - 950 - 950	35 - 950 - 950	35 - 950 - 950	35 - 950 - 950	35 - 950 - 950	35 - 950 - 950	35 - 950 - 950	35 - 950 - 950
	Weight	kg	6	6	6	6	6	6	6	6	6	6
Outdoor Unit	Dimensions	H x W x D	mm	600 - 800 - 300(+23)				943 - 950 - 330(+30)				
	Weight	kg	42	42	67	67	67	116(124)	116(124)	116(126)	116(126)	118(132)
	Air Volume	Cooling Rated	m ³ /min	35.0	35.0	60.0	60.0	110.0	110.0	120.0	120.0	120.0
		Heating Rated	m ³ /min	35.0	35.0	60.0	60.0	110.0	110.0	120.0	120.0	120.0
	Sound Level	Cooling - Silent	dB(A)	44 - 41	44 - 41	47 - 44	47 - 44	47 - 44	49 - 46	49 - 46	50 - 47	50 - 47
		Heating Rated	dB(A)	46	46	48	48	48	51	51	52	52
	Operating Current (max)	A	13.0	13.0	19.0	19.0	19.0	26.5(8.0)	26.5(8.0)	26.5(9.5)	26.5(9.5)	28(11)
	Breaker Size	A	16	16	25	25	25	32(16)	32(16)	32(16)	32(16)	40(16)
	Diameter	Liquid / Gas	mm	6.35 / 12.7				9.52 / 15.88				
	Max. Length	Out-In	m	50	50	50	50	75	75	75	75	75
Ext. Piping	Max. Height	Out-In	m	30	30	30	30	30	30	30	30	30
	Guaranteed Operating Range [Outdoor]	Cooling*1	°C	-11 ~ +21				-5 ~ +46				
			Heating	°C				-20 ~ +21				

*1 With the optional Air Protection Guide, Operation at outdoor temperatures as low as -15°C is possible. *2 Eurovent application not filed.

PLZ-P SERIES

STANDARD INVERTER



Type			Inverter Heat Pump									
Indoor Unit			PLA-RP35BA	PLA-RP50BA	PLA-RP60BA	PLA-RP71BA	PLA-RP71BA2	PLA-RP100BA	PLA-RP100BA3	PLA-RP125BA	PLA-RP125BA2	PLA-RP140BA2
Outdoor Unit			SUZ-KA35VA	SUZ-KA50VA	SUZ-KA60VA	SUZ-KA71VA	SUZ-KA71VA	PUHZ-P100VHA3(YHA*)	PUHZ-P100VHA3(YHA*)	PUHZ-P125VHA3(YHA*)	PUHZ-P125VHA3(YHA*)	PUHZ-P140VHA3(YHA*)
Power Supply	Source		Outdoor power supply									
	Outdoor (V/Phase/Hz)		VA · VHA:230 / Single / 50, YHA:400 / Three / 50									
Cooling			-									
Capacity	Rated	kW	3.5	5.0	5.7	7.1	7.1	9.4	9.4	12.3	12.3	13.6
	Min - Max	kW	1.0 - 3.9	1.1 - 5.6	1.1 - 6.3	0.9 - 8.1	0.9 - 8.1	4.9 - 11.2	4.9 - 11.2	5.5 - 14.0	5.5 - 14.0	5.5 - 15.0
	Total Input	kW	1.090	1.780	1.940	2.530	2.474	3.120	3.120	4.090	4.090	5.210
	EER		3.21	2.81	2.94	2.81	2.87	3.01	3.01	3.01	3.01	2.61
Heating			-									
Capacity	Rated	kW	4.1	6.0	6.9	8.0	8.0	11.2	11.2	14.0	14.0	16.0
	Min - Max	kW	0.9 - 5.0	0.9 - 7.2	0.9 - 8.0	0.9 - 10.2	0.9 - 10.2	4.5 - 12.5	4.5 - 12.5	5.0 - 16.0	5.0 - 16.0	5.0 - 18.0
	Total Input	kW	1.110	1.820	2.110	2.490	2.446	3.280	3.218	4.110	4.023	4.980
	COP		3.69	3.30	3.27	3.21	3.27	3.41	3.48	3.41	3.48	3.21
Operating Current (max)			9.4	16.4	16.4	16.5	16.5	28.9(13.9)	29.0(14.0)	29.0(14.0)	29.0(14.0)	30.6(14.1)
Indoor Unit	Input	Rated	kW	0.030	0.050	0.050	0.070	0.070	0.140	0.140	0.150	0.160
	Operating Current (max)	A	0.22	0.36	0.36	0.51	0.51	0.94	1.00	1.00	1.00	1.07
	Dimensions	H x W x D	mm	258 - 840 - 840					298 - 840 - 840			
	Weight	kg	22	22	23	23	23	25	26	25	27	27
	Air Volume [Lo-Mi2-Mi1-Hi]	m ³ /min	11.0-12.0-13.0-15.0	12.0-14.0-16.0-18.0	12.0-14.0-16.0-18.0	14.0-16.0-18.0-21.0	14.0-16.0-18.0-21.0	20.0-23.0-26.0-30.0	20.0-23.0-26.0-30.0	22.0-25.0-28.0-31.0	22.0-25.0-28.0-31.0	24.0-26.0-29.0-32.0
	External Static Pressure	Pa	-	-	-	-	-	-	-	-	-	-
	Sound Level [Lo-Mi2-Mi1-Hi]	dB(A)	27 - 28 - 29 - 31	28 - 29 - 31 - 32	28 - 29 - 31 - 32	28 - 30 - 32 - 34	28 - 30 - 32 - 34	32 - 34 - 37 - 40	32 - 34 - 37 - 40	34 - 36 - 39 - 41	34 - 36 - 39 - 41	36 - 39 - 42 - 44
	Breaker Size	A	-	-	-	-	-	-	-	-	-	-
	Dimensions	H x W x D	mm	35 - 950 - 950	35 - 950 - 950	35 - 950 - 950	35 - 950 - 950	35 - 950 - 950	35 - 950 - 950	35 - 950 - 950	35 - 950 - 950	35 - 950 - 950
	Weight	kg	6	6	6	6	6	6	6	6	6	6
Outdoor Unit	Dimensions	H x W x D	mm	550 - 800 - 285	850 - 840 - 330			943 - 950 - 330(+30)		1350 - 950 - 330(+30)		
	Weight	kg	37	53	53	58	58	75(77)	75(77)	99(101)	99(101)	99(101)
	Air Volume	Cooling Rated	m ³ /min	33.4	49.0	49.0	49.0	60.0	60.0	100.0	100.0	100.0
		Heating Rated	m ³ /min	33.4	49.0	49.0	49.0	60.0	60.0	100.0	100.0	100.0
	Sound Level	Cooling - Silent	dB(A)	47	53	53	53	53	50 - 47	50 - 47	51 - 48	51 - 48
		Heating Rated	dB(A)	48	55	55	55	55	54	54	55	56
	Operating Current (max)	A	9.2	16.0	16.0	16.0	16.0	28.0(13.0)	28.0(13.0)	28.0(13.0)	28.0(13.0)	29.5(13.0)
	Breaker Size	A	10	20	20	20	20	32(16)	32(16)	32(16)	32(16)	40(16)
	Diameter	Liquid / Gas	mm	6.35 / 9.52	6.35 / 12.7	6.35 / 15.88		9.52 / 15.88				
	Max. Length	Out-In	m	20	30	30	30	50	50	50	50	50
Ext. Piping	Max. Height	Out-In	m	12	30	30	30	30	30	30	30	30
	Guaranteed Operating Range [Outdoor]	Cooling	°C	-10 ~ +46				-5 ~ +46*				
			Heating	°C				-15 ~ +21				

*1 With the optional Air Protection Guide, Operation at outdoor temperatures as low as -15°C is possible. *2 Eurovent application not filed.

*3 PUHZ-P-YHA is designed for commercial and light-industrial applications.