

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												
	Indoor (V/Phase/Hz)	—												
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	Rated	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	
		EEL Rank		A	A	A	—*2	A	—*2	A	—*2	A	A	
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	Rated	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	
		EEL Rank		A	A	A	—*2	A	—*2	A	—*2	A	A	
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	0.150	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]		m³/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	—	—	—	—	—	—	—	—	—	—	
Panel	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	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)		1338・1050・330(+30)				
	Weight		kg	42	42	67	67	67	116(124)	116(124)	116(126)	116(126)	118(132)	
	Air Volume	Cooling	Rated	m³/min	35.0	35.0	60.0	60.0	60.0	110.0	110.0	120.0	120.0	120.0
		Heating	Rated	m³/min	35.0	35.0	60.0	60.0	60.0	110.0	110.0	120.0	120.0	120.0
	Sound Level	Cooling・Silent	Rated	dB(A)	44・41	44・41	47・44	47・44	47・44	49・46	49・46	50・47	50・47	50・47
		Heating	Rated	dB(A)	46	46	48	48	48	51	51	52	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)		
Ext. Piping	Diameter	Liquid / Gas	mm	6.35 / 12.7				9.52 / 15.88						
	Max. Length	Out-In	m	50	50	50	50	50	75	75	75	75	75	
	Max. Height	Out-In	m	30	30	30	30	30	30	30	30	30	30	
Guaranteed Operating Range [Outdoor]		Cooling*1	℃	-5 ~ +46										
		Heating	℃	-11 ~ +21				-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										
	Indoor (V/Phase/Hz)		VA • VHA:230 / Single / 50, YHA:400 / Three / 50										
Indoor (V/Phase/Hz)			—										
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	Rated	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
	EEL Rank		A	C	C	C	C	—* ²	B	—* ²	B	—* ²	D
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	Rated	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
	EEL Rank		A	C	C	C	C	—* ²	B	—* ²	B	—* ²	C
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	0.150	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	—	—	—	—	—	—	—	—	—	—
Panel	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	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	Rated	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)
Ext. Piping	Diameter	Liquid / Gas	mm	6.35 / 9.52				9.52 / 15.88					
	Max. Length	Out-In	m	20	30	30	30	30	50	50	50	50	50
	Max. Height	Out-In	m	12	30	30	30	30	30	30	30	30	30
Guaranteed Operating Range [Outdoor]	Cooling	°C		-10 ~ +46				-15 ~ +43		-5 ~ +46* ¹			
	Heating	°C		-10 ~ +24				-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.