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]			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	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	m^3/min	35.0	35.0	60.0	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	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℃ 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*3)	PUHZ-P100VHA3(YHA*3)	PUHZ-P125VHA3(YHA*3)	PUHZ-P125VHA3(YHA*3)	PUHZ-P140VHA3(YHA*3)
Power Supply	Source				Outdoor power supply									
	Outdoor (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	–*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	–*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	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	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	52 - 49
		Heating	Rated	dB(A)	48	55	55	55	55	54	54	55	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	6.35 / 12.7	6.35 / 15.88			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		℃	-10 ~ +46	-15 ~ +43				-5 ~ +46*1				
		Heating		℃	-10 ~ +24					-15 ~ +21				

*1 With the optional Air Protection Guide, Operation at outdoor temperatures as low as -15℃ is possible. *2 Eurovent application not filed.
*3 PUHZ-P·YHA is designed for commercial and light-industrial applications.