

PKZ-RP SERIES

POWER INVERTER



Type				Inverter Heat Pump				
Indoor Unit				PKA-RP35HAL	PKA-RP50HAL	PKA-RP60KAL	PKA-RP71KAL	PKA-RP100KAL
Outdoor Unit				PUHZ-RP35VHA4	PUHZ-RP50VHA4	PUHZ-RP60VHA4	PUHZ-RP71VHA4	PUHZ-RP100VKA / PUHZ-RP100YKA
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	4.6	6.0	7.1	10.0
		Min - Max	kW	1.6 - 4.5	2.3 - 5.6	2.7 - 6.7	3.3 - 8.1	4.9 - 11.4
	Total Input	Rated	kW	0.980	1.430	1.540	1.960	2.900
	EER			3.67	3.22	3.90	3.62	3.45
	EEL Rank			A	A	A	A	A
	Capacity	Rated	kW	4.1	5.0	7.0	8.0	11.2
Heating		Min - Max	kW	1.6 - 5.2	2.5 - 7.3	2.8 - 8.2	3.5 - 10.2	4.5 - 14.0
	Total Input	Rated	kW	1.130	1.380	1.760	2.130	3.100
	COP			3.63	3.62	3.98	3.76	3.61
	EEL Rank			A	A	A	A	A
	Operating Current (max)			13.4	13.4	19.4	19.4	27.1
	Breaker Size			A	A	A	A	A
Indoor Unit	Input	Rated	kW	0.040	0.040	0.060	0.060	0.080
	Operating Current (max)		A	0.40	0.40	0.43	0.43	0.57
	Dimensions	H x W x D	mm	295 - 898 - 249	295 - 898 - 249	365 - 1170 - 295	365 - 1170 - 295	365 - 1170 - 295
	Weight		kg	13	13	21	21	21
	Air Volume (Lo-Mid-Hi)		m³/min	9.0 - 10.5 - 12.0	9.0 - 10.5 - 12.0	18.0 - 20.0 - 22.0	18.0 - 20.0 - 22.0	20.0 - 23.0 - 26.0
	External Static Pressure		Pa	-	-	-	-	-
	Sound Level (Lo-Mid-Hi)		dB(A)	36 - 40 - 43	36 - 40 - 43	39 - 42 - 45	39 - 42 - 45	41 - 45 - 49
	Breaker Size		A	-	-	-	-	-
	Dimensions	H x W x D	mm	600 - 800 - 300(+23)	600 - 800 - 300(+23)	943 - 950 - 330(+30)	943 - 950 - 330(+30)	1338 - 1050 - 330(+30)
	Weight		kg	42	42	67	67	116
Outdoor Unit	Air Volume	Cooling	Rated m³/min	35.0	35.0	60.0	60.0	110.0
		Heating	Rated m³/min	35.0	35.0	60.0	60.0	110.0
	Sound Level	Cooling - Silent	Rated dB(A)	44 - 41	44 - 41	47 - 44	47 - 44	49 - 46
		Heating	Rated dB(A)	46	46	48	48	51
	Operating Current (max)		A	13.0	13.0	19.0	19.0	26.5
	Breaker Size		A	16	16	25	25	32
	Diameter	Liquid / Gas	mm	6.35 / 12.7	6.35 / 12.7	9.52 / 15.88	9.52 / 15.88	12.7 / 15.88
	Max. Length	Out-In	m	50	50	50	50	75
	Max. Height	Out-In	m	30	30	30	30	30
	Guaranteed Operating Range	Cooling*	°C	-11 ~ +21	-11 ~ +21	-5 ~ +46	-5 ~ +46	-20 ~ +21

* With the optional Air Protection Guide, Operation at outdoor temperatures as low as -15°C is possible.

PKZ-P SERIES

STANDARD INVERTER



Type				Inverter Heat Pump				
Indoor Unit				PKA-RP100KAL				
Outdoor Unit				PUHZ-P100VHA3		PUHZ-P100YHA*²		
Power Supply	Source			Outdoor power supply				
	Outdoor (V/Phase/Hz)			230 / Single / 50		400 / Three / 50		
	Indoor (V/Phase/Hz)			—		—		
Cooling	Capacity	Rated	kW	9.4		9.4		
		Min - Max	kW	4.9 - 11.2		4.9 - 11.2		
	Total Input	Rated	kW	3.120		3.120		
	EER			3.01		3.01		
		EEL Rank		B		B		
Heating	Capacity	Rated	kW	11.2		11.2		
		Min - Max	kW	4.5 - 12.5		4.5 - 12.5		
	Total Input	Rated	kW	3.490		3.490		
	COP			3.21		3.21		
		EEL Rank		C		C		
Operating Current (max)				28.6		13.6		
Indoor Unit	Input	Rated	kW	0.080		0.080		
	Operating Current (max)		A	0.6		0.6		
	Dimensions	H x W x D	mm	365 - 1170 - 295		365 - 1170 - 295		
	Weight		kg	21		21		
	Air Volume [Lo-Mi2-Mi1-Hi]		m³/min	20 - 23 - 26		20 - 23 - 26		
	External Static Pressure		Pa	—		—		
	Sound Level [Lo-Mi2-Mi1-Hi]		dB(A)	41 - 45 - 49		41 - 45 - 49		
	Breaker Size		A	—		—		
	Dimensions	H x W x D	mm	943 - 950 - 330(+30)		943 - 950 - 330(+30)		
Outdoor Unit	Weight		kg	75		77		
	Air Volume	Cooling	Rated m³/min	60.0		60.0		
		Heating	Rated m³/min	60.0		60.0		
	Sound Level	Cooling - Silent	Rated dB(A)	50 - 47		50 - 47		
		Heating	Rated dB(A)	54		54		
	Operating Current (max)		A	28.0		13.0		
	Breaker Size		A	32		16		
	Ext. Piping	Diameter	Liquid / Gas	mm	9.52 / 15.88		9.52 / 15.88	
		Max. Length	Out-In	m	50		50	
Max. Height		Out-In	m	30		30		
Guaranteed Operating Range [Outdoor]		Cooling*¹	°C	-5 ~ +46		-5 ~ +46		
		Heating	°C	-15 ~ +21		-15 ~ +21		

*¹ With the optional Air Protection Guide, Operation at outdoor temperatures as low as -15°C is possible.

*² PUHZ-P-YHA is designed for commercial and light-industrial applications.