

SERIES SELECTION

Power Inverter Series



Indoor Unit

R410A



PSA-RP71/100/125/140KA

Outdoor Unit

R410A

For Single



PUHZ-ZRP71



PUHZ-ZRP100/125/140

R410A

For Multi
(Twin/Triple)



PUHZ-ZRP140/200/250

Remote Controller



Built-in

Standard Inverter Series



Indoor Unit

R410A



PSA-RP71/100/125/140KA

Outdoor Unit

R410A

For Single



PUHZ-P100/125/140

R410A

For Multi
(Twin/Triple)



PUHZ-P140



PUHZ-P200/250

Remote Controller



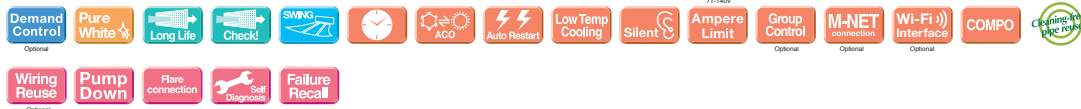
Built-in

PSZ-RP KA Indoor Unit Combinations Indoor unit combinations shown below are possible.

Indoor Unit Combination		Outdoor Unit Capacity																			
		For Single									For Twin						For Triple			For Quadruple	
		35	50	60	71	100	125	140	200	250	71	100	125	140	200	250	140	200	250	200	250
Power Inverter (PUHZ-ZRP)		—	—	—	71x1	100x1	125x1	140x1	—	—	—	—	—	71x2	100x2	125x2	—	—	71x3	—	—
	Distribution Pipe	—	—	—	—	—	—	—	—	—	—	—	—	MSDD-50TR-E	MSDD-50WR-E	—	—	MSD7-111R-E	—	—	
Standard Inverter (PUHZ-P)		—	—	—	—	100x1	125x1	140x1	—	—	—	—	—	71x2	100x2	125x2	—	—	71x3	—	—
	Distribution Pipe	—	—	—	—	—	—	—	—	—	—	—	—	MSDD-50TR-E	MSDD-50WR-E	—	—	MSD7-111R-E	—	—	

PSA-RP SERIES

POWER INVERTER



Type			Inverter Heat Pump									
Indoor Unit			PSA-RP71KA		PSA-RP100KA		PSA-RP125KA		PSA-RP140KA			
Outdoor Unit			PUHZ-ZRP71VHA2	PUHZ-ZRP100VKA3	PUHZ-ZRP100YKA3	PUHZ-ZRP125VKA3	PUHZ-ZRP125YKA3	PUHZ-ZRP140VKA3	PUHZ-ZRP140YKA3			
Refrigerant			R410A*1									
Power Supply	Source	Outdoor power supply										
	Capacity (V/Phase/Hz)	VKA - VHA:230 / Single / 50, YKA:400 / Three / 50										
Cooling	Capacity	Rated	kW	7.1	9.5	9.5	12.5	12.5	13.4	13.4		
		Min - Max	kW	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	1.89	2.50	2.50	4.09	4.09	4.06	4.06		
	EER			—	—	—	3.06	3.06	3.30	3.30		
		EEL Rank		—	—	—	—	—	—	—		
	Design Load		kW	7.1	9.5	9.5	—	—	—	—		
	Annual Electricity Consumption*2		kWh/a	396	595	606	—	—	—	—		
	SEER*1			6.3	5.6	5.5	—	—	—	—		
		Energy Efficiency Class		A++	A+	A	—	—	—	—		
	Capacity	Rated	kW	7.6	11.2	11.2	14.0	14.0	16.0	16.0		
		Min - Max	kW	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	2.21	3.08	3.08	4.24	4.24	4.79	4.79		
Heating (Average Season)	COP		—	—	—	3.30	3.30	3.34	3.34			
		EEL Rank		—	—	—	—	—	—			
	Design Load		kW	4.7	7.8	7.8	—	—	—	—		
	Declared Capacity	at reference design temperature	kW	4.7 (−10°C)	7.8 (−10°C)	7.8 (−10°C)	—	—	—	—		
		at bivalent temperature	kW	4.7 (−10°C)	7.8 (−10°C)	7.8 (−10°C)	—	—	—	—		
		at operation limit temperature	kW	3.5 (−20°C)	5.8 (−20°C)	5.8 (−20°C)	—	—	—	—		
	Back Up Heating Capacity		kW	0	0	0	—	—	—	—		
	Annual Electricity Consumption*2		kWh/a	1666	2761	2761	—	—	—	—		
	SCOP*1			4.0	4.0	4.0	—	—	—	—		
		Energy Efficiency Class		A+	A+	A+	—	—	—	—		
				—	—	—	—	—	—	—		
				—	—	—	—	—	—	—		
Operating Current (max)			A	19.4	27.2	8.7	27.2	10.2	28.7	13.7		
Indoor Unit	Input	Rated	kW	0.06	0.11	0.11	0.11	0.11	0.11	0.11		
	Operating Current (max)		A	0.4	0.71	0.71	0.73	0.73	0.73	0.73		
Dimensions <Panel>			H × W × D	mm	1900 - 600 - 360							
Weight <Panel>				kg	46	46	46	46	48	48		
Air Volume			[Lo-Mid-Hi]	m³/min	20 - 22 - 24	25 - 28 - 30	25 - 28 - 30	25 - 28 - 31	25 - 28 - 31	25 - 28 - 31		
Sound Level (SPL)			[Lo-Mid-Hi]	dB(A)	40 - 42 - 44	45 - 49 - 51	45 - 49 - 51	45 - 49 - 51	45 - 49 - 51	45 - 49 - 51		
Sound Level (PWL)				dB(A)	60	65	65	66	66	66		
Outdoor Unit	Dimensions			H × W × D	mm	943-950-330(+30) 1338-1050-330(+40)						
	Weight				kg	70	116	123	116	125	118	131
	Air Volume	Cooling	m³/min	55.0	110.0	110.0	120.0	120.0	120.0	120.0	120.0	
		Heating	m³/min	55.0	110.0	110.0	120.0	120.0	120.0	120.0	120.0	
	Sound Level (SPL)	Cooling	dB(A)	47	49	49	50	50	50	50	50	
		Heating	dB(A)	48	51	51	52	52	52	52	52	
	Sound Level (PWL)	Cooling	dB(A)	67	69	69	70	70	70	70	70	
		Heating	dB(A)	68	70	70	71	71	71	71	71	
	Operating Current (max)			A	19.0	26.5	8.0	26.5	9.5	28.0	13.0	
	Breaker Size				A	25	32	16	32	16	40	16
	Ext. Piping	Diameter	Liquid / Gas	mm	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	9.52 / 15.88
		Max. Length	Out-In	m	50	75	75	75	75	75	75	75
Max. Height		Out-In	m	30	30	30	30	30	30	30	30	
Max. Height		Out-In	m	30	30	30	30	30	30	30	30	
Guaranteed Operating Range [Outdoor]			Cooling*3	°C	−15 ~ +46	−15 ~ +46	−15 ~ +46	−15 ~ +46	−15 ~ +46	−15 ~ +46	−15 ~ +46	
			Heating	°C	−20 ~ +21	−20 ~ +21	−20 ~ +21	−20 ~ +21	−20 ~ +21	−20 ~ +21	−20 ~ +21	−20 ~ +21

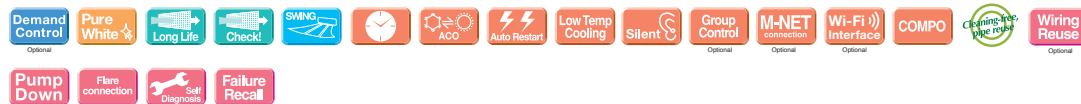
*1 Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO₂, 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.

The GWP of R410A is 2088 in the IPCC 4th Assessment Report.

*2 Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

*3 Optional air protection guide is required where ambient temperature is lower than -5°C.

*4 SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012.



PSA-RP SERIES

STANDARD INVERTER

Type			Inverter Heat Pump							
Indoor Unit			PSA-RP100KA		PSA-RP125KA		PSA-RP140KA			
Outdoor Unit			PUHZ-P100VKA	PUHZ-P100YKA	PUHZ-P125VKA	PUHZ-P125YKA	PUHZ-P140VKA	PUHZ-P140YKA		
Refrigerant			R410A*1							
Power Supply			Outdoor power supply VKA:230 / Single / 50, YKA:400 / Three / 50							
Cooling	Capacity		Rated	kW	9.4	9.4	12.1	12.1	13.6	13.6
			Min - Max	kW	3.7 - 10.6	3.7 - 10.6	5.6 - 13.0	5.6 - 13.0	5.8 - 13.7	5.8 - 13.7
	Total Input		Rated	kW	3.12	3.12	5.02	5.02	6.38	6.38
	EER				3.01	3.01	2.41	2.41	2.13	2.13
	EEL Rank				-	-	-	-	-	-
	Design Load			kW	9.4	9.4	-	-	-	-
	Annual Electricity Consumption*2			kWh/a	644	644	-	-	-	-
	SEER*4				5.1	5.1	-	-	-	-
	Energy Efficiency Class				A	A	-	-	-	-
					-	-	-	-	-	-
Heating (Average Season)	Capacity		Rated	kW	11.2	11.2	13.5	13.5	15.0	15.0
			Min - Max	kW	2.8 - 12.5	2.8 - 12.5	4.8 - 15.0	4.8 - 15.0	4.9 - 15.8	4.9 - 15.8
	Total Input		Rated	kW	3.28	3.28	4.80	4.80	4.82	4.82
	COP				3.41	3.41	2.81	2.81	3.11	3.11
	EEL Rank				-	-	-	-	-	-
	Design Load			kW	8.0	8.0	-	-	-	-
	Declared Capacity		at reference design temperature	kW	6.0 (-10°C)	6.0 (-10°C)	-	-	-	-
			at bivalent temperature	kW	7.0 (-7°C)	7.0 (-7°C)	-	-	-	-
			at operation limit temperature	kW	4.5 (-15°C)	4.5 (-15°C)	-	-	-	-
	Back Up Heating Capacity			kW	2.0	2.0	-	-	-	-
Outdoor Unit	Annual Electricity Consumption*2			kWh/a	2794	2794	-	-	-	-
	SCOP*4				4.0	4.0	-	-	-	-
	Energy Efficiency Class				A+	A+	-	-	-	-
					-	-	-	-	-	-
	Operating Current (max)			A	20.7	12.2	27.2	12.2	30.7	12.2
	Indoor Unit		Input	Rated	kW	0.11	0.11	0.11	0.11	0.11
			Operating Current (max)		A	0.71	0.71	0.73	0.73	0.73
	Dimensions <Panel>		H x W x D	mm	1900 - 600 - 360					
	Weight <Panel>			kg	46	46	46	46	48	48
	Air Volume		Lo-Mid-Hi	m³/min	25 - 28 - 30	25 - 28 - 30	25 - 28 - 31	25 - 28 - 31	25 - 28 - 31	25 - 28 - 31
Ext. Piping	Sound Level (SPL)		Lo-Mid-Hi	dB(A)	45 - 49 - 51	45 - 49 - 51	45 - 49 - 51	45 - 49 - 51	45 - 49 - 51	45 - 49 - 51
	Sound Level (PWL)			dB(A)	65	65	66	66	66	66
	Dimensions		H x W x D	mm	981 - 1050 - 330					
	Weight			kg	76	78	84	85	84	85
	Air Volume		Cooling	m³/min	79	79	86	86	86	86
			Heating	m³/min	79	79	92	92	92	92
	Sound Level (SPL)		Cooling	dB(A)	51	51	54	54	56	56
			Heating	dB(A)	54	54	56	56	57	57
	Sound Level (PWL)		Cooling	dB(A)	70	70	72	72	75	75
	Operating Current (max)			A	20.0	11.5	26.5	11.5	30.0	11.5
Guaranteed Operating Range	Breaker Size			A	32	16	32	16	40	16
	Diameter		Liquid / Gas	mm	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	50	50
	Max. Height		Out-In	m	30	30	30	30	30	30
	Cooling*3			°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
	Heating			°C	-15 ~ +21	-15 ~ +21	-15 ~ +21	-15 ~ +21	-15 ~ +21	-15 ~ +21

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