

## 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



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



PUHZ-P140



PUHZ-P200/250

#### Remote Controller



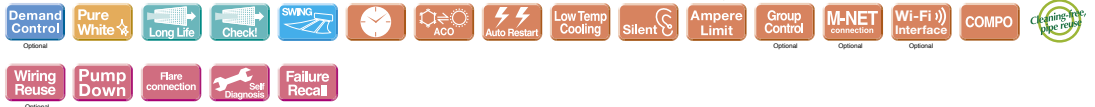
Built-in

### 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	-	-	MSDT-111R-E	-	-	
Standard Inverter (PUHZ-P)	-	-	-	-	100x1	125x1	140x1	-	-	-	-	-	71x2	100x2	125x2	-	-	71x3	-	-
Distribution Pipe	-	-	-	-	-	-	-	-	-	-	-	-	MSDD-50TR-E	MSDD-50WR-E	-	-	MSDT-111R-E	-	-	

# PSZ-RP SERIES

## POWER INVERTER

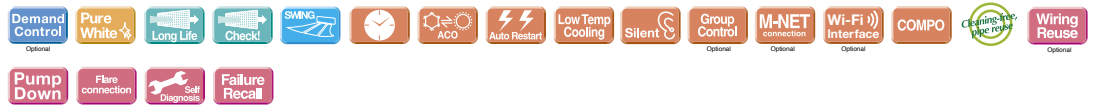


Type			Inverter Heat Pump									
Indoor Unit			PSA-RP71KA		PSA-RP100KA		PSA-RP125KA		PSA-RP140KA			
Outdoor Unit			PUHZ-ZRP71VHA2		PUHZ-ZRP100VKA3		PUHZ-ZRP125VKA3		PUHZ-ZRP140VKA3			
Refrigerant			R410A*1									
Power Source			Outdoor power supply									
Supply Outdoor (V/Phase/Hz)			VKA · VHA:230 / 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			6.3	5.6	5.5	-	-	-	-		
		Energy Efficiency Class			A++	A+	A	-	-	-		
		Rated	kW	7.6	11.2	11.2	14.0	14.0	16.0	16.0		
Heating (Average Season)	Capacity	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		
	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			4.0	4.0	4.0	-	-	-			
	Energy Efficiency Class			A+	A+	A+	-	-	-			
Operating Current (max)	Input	Rated	A	19.4	27.2	27.2	27.2	10.2	28.7	13.7		
	Operating Current (max)		kW	0.06	0.11	0.11	0.11	0.11	0.11	0.11		
Indoor Unit	Dimensions <Panel>	H x W x D	mm	1900 · 600 · 360						46	48	48
	Weight <Panel>		kg	46	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	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	45 · 49 · 51		
	Sound Level (PWL)		dB(A)	60	65	65	66	66	66	66		
	Dimensions	H x W x D	mm	943 · 950 · 330 (+30)								
	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		
		Heating	m³/min	55.0	110.0	110.0	120.0	120.0	120.0	120.0		
	Sound Level (SPL)	Cooling	dB(A)	47	49	49	50	50	50	50		
	Heating	dB(A)	48	51	51	52	52	52	52			
Sound Level (PWL)	Cooling	dB(A)	67	69	69	70	70	70	70			
	Heating	dB(A)	67	69	69	70	70	70	70			
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		
	Max. Length	Out-In	m	50	75	75	75	75	75	75		
	Max. Height	Out-In	m	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	-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 CO<sub>2</sub> 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.

# PSZ-P SERIES

## STANDARD INVERTER



Type			Inverter Heat Pump								
Indoor Unit			PSA-RP100KA		PSA-RP125KA		PSA-RP140KA		PSA-RP140KA		
Outdoor Unit			PUHZ-P100VKA		PUHZ-P125VKA		PUHZ-P125VKA		PUHZ-P140VKA		
Refrigerant			R410A*1								
Power Source			Outdoor power supply								
Supply Outdoor (V/Phase/Hz)			VKA:230 / Single / 50, YKA:400 / Three / 50								
Cooling	Capacity	Rated	kW	9.4	9.4	12.1	12.1	13.6	13.6	13.6	
		Min - Max	kW	3.7 - 10.6	3.7 - 10.6	5.6 - 13.0	5.6 - 13.0	5.6 - 13.7	5.6 - 13.7	5.6 - 13.7	
	Total Input	Rated	kW	3.12	3.12	5.02	5.02	6.38	6.38	6.38	
	EER			3.01	3.01	2.41	2.41	2.13	2.13	2.13	
		EEL Rank			-	-	-	-	-	-	
	Design Load		kW	9.4	9.4	-	-	-	-	-	
	Annual Electricity Consumption*2		kWh/a	644	644	-	-	-	-	-	
	SEER			5.1	5.1	-	-	-	-	-	
		Energy Efficiency Class			A	A	-	-	-	-	
		Rated	kW	11.2	11.2	13.5	13.5	15.0	15.0	15.0	
Heating (Average Season)	Capacity	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	4.9 - 15.8	
	Total Input	Rated	kW	3.28	3.28	4.80	4.80	4.82	4.82	4.82	
	COP			3.41	3.41	2.81	2.81	3.11	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	-	-	-	-	-	
	Annual Electricity Consumption*2		kWh/a	2794	2794	-	-	-	-	-	
	SCOP			4.0	4.0	-	-	-	-		
	Energy Efficiency Class			A+	A+	-	-	-	-		
Operating Current (max)	Input	Rated	A	20.7	12.2	27.2	12.2	30.7	12.2		
	Operating Current (max)		kW	0.11	0.11	0.11	0.11	0.11	0.11		
Indoor Unit	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		
	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			
Breaker Size		A	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		
	Max. Length	Out-In	m	50	50	50	50	50	50		
	Max. Height	Out-In	m	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	-15 ~ +21	-15 ~ +21	-15 ~ +21	-15 ~ +21	-15 ~ +21	-15 ~ +21	-15 ~ +21		

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\*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.