PKA SERIES

The compact, wall-mounted indoor units offer the convenience of simple installation, and a large product line-up (RP35-RP100 models) ensures a best-match solution. Designed for highly efficient energy savings, the PKA Series is the answer to your air conditioning needs.

PKA-RP35/50HAL

PKA-RP60/71/100KAL

Flat Panel & Pure White Finish

A flat panel layout has been adopted for all models. Pursuing a design that harmonizes with virtually any interior, the unit colour has been changed from white to pure white.

PKA-RP GAL

PKA-RP FAL

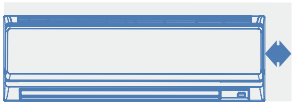
PKA-RP HAL

PKA-RP KAL

Compact Indoor Units

Indoor unit width has been reduced by as much as 510mm (RP100). Units take up much less space, greatly increasing installation possibilities.

PKA-RP35/50HAL **92mm DOWN***

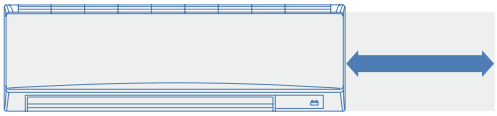


*Compared to PKA-RP35/50GAL

PKA-RP60/71KAL **230mm DOWN***

*Compared to PKA-RP60/71FAL

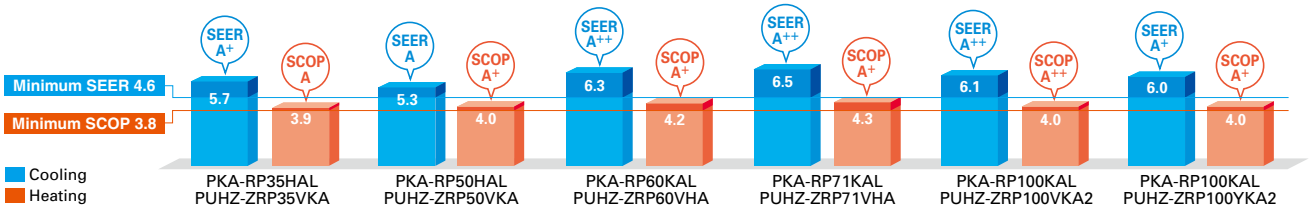
PKA-RP100KAL **510mm DOWN***



*Compared to PKA-RP100FAL

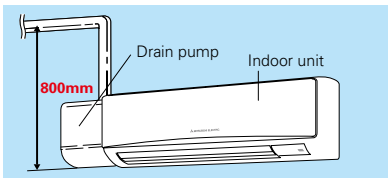
ErP Lot 10 Compliant with High Energy-efficiency Achieving SEER/SCOP Rank A, A+ and A++

Highly efficient indoor unit heat exchangers and and newly designed power inverters (PUHZ-ZRP) contribute to an amazing reduction in electricity consumption throughout a year, and have resulted in models in the full-capacity range attaining the rank A, A+ and A++ energy savings rating.



Drain Pump Option Available with All Models

Installation of the drain pump enables a drain outlet as high as 800mm above the base of the indoor unit. Drain water can be discharged easily even if the surface where the wall-mounted unit does not have direct access outside, increasing the degree of freedom for installation.



Multi-function Wired Remote Controller

In addition to using the wireless remote controller that comes as standard equipment, PAR-31MAA and PAC-YT52CRA wired remote controllers can be used as well.

✻Connection to PAR-31MAA/PAC-YT52CRA requires PAC-SH29TC-E (optional).

Main Functions

- Night Setback
- Energy- saving Mode
- Multi Language
- Weekly Timer
- Refrigerant Leak Check

✻For details, please refer to pages 23-26.

SERIES SELECTION

Power Inverter Series

Indoor Unit

PKA-RP35/50HAL

PKA-RP60/71/100KAL

Outdoor Unit

For Single

PUHZ-ZRP35/50

PUHZ-ZRP60/71

PUHZ-ZRP100

For Multi
(Twin/Triple/Quadruple)

PUHZ-ZRP71

PUHZ-ZRP100/125/140/200/250

Remote Controller

Optional (✻)

Optional (✻)

Standard Inverter Series

Indoor Unit

PKA-RP35/50HAL

PKA-RP60/71/100KAL

Outdoor Unit

For Single

PUHZ-P100

For Multi
(Twin/Triple/Quadruple)

PUHZ-P100

PUHZ-P125/140

PUHZ-P200/250

Remote Controller

Optional (✻)

Optional (✻)

(✻) PAC-SH29TC-E is required (optional)

PKZ-RP HA/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)		35x1	50x1	60x1	71x1	100x1	–	–	–	–	35x2	50x2	60x2	71x2	100x2	–	50x3	60x3	71x3	50x4	60x4
	Distribution Pipe	–	–	–	–	–	–	–	–	–	MSDD-50TR-E				MSDD-50WR-E	–	MSDT-111R-E			MSDF-1111R-E	
Standard Inverter (PUHZ-P)		–	–	–	–	100x1	–	–	–	–	–	50x2	60x2	71x2	100x2	–	50x3	60x3	71x3	50x4	60x4
	Distribution Pipe	–	–	–	–	–	–	–	–	–	–	MSDD-50TR-E			MSDD-50WR-E	–	MSDT-111R-E			MSDF-1111R-E	

PKZ-RP SERIES
POWER INVERTER

EUROVENT CERTIFIED PERFORMANCE

Demand Control (Optional) · Pure White · AUTO VANE · Check! (Optional) · SWING · AUTO · ACO · Auto Restart · Low Temp Cooling · Silent · Ampere Limit (60-140V/200/250) · Rotation Back-up (Optional) · (Optional) · Group Control (Optional) · M-NET connection (Optional)

Wi-Fi Interface (Optional) · COMPO · Cleaning-free pipe route · Wiring Reuse (Optional) · Drain Lift Up (Optional) · Pump Down · Flare connection · Self Diagnosis · Failure Recall

Type				Inverter Heat Pump					
Indoor Unit				PKA-RP35HAL	PKA-RP50HAL	PKA-RP60KAL	PKA-RP71KAL	PKA-RP100KAL	
Outdoor Unit				PUHZ-ZRP35VKA	PUHZ-ZRP50VKA	PUHZ-ZRP60VHA	PUHZ-ZRP71VHA	PUHZ-ZRP100VKA2	PUHZ-ZRP100YKA2
Refrigerant				R410A*1					
Power Supply	Source			Outdoor power supply					
	Outdoor (V/Phase/Hz)			VKA • VHA:230 / Single / 50, YKA:400 / Three / 50					
Cooling	Capacity	Rated	kW	3.6	4.6	6.1	7.1	9.5	9.5
		Min - Max	kW	1.6 - 4.5	2.3 - 5.6	2.7 - 6.7	3.3 - 8.1	4.9 - 11.4	4.9 - 11.4
	Total Input	Rated	kW	0.94	1.41	1.60	1.80	2.40	2.40
	EER			–	–	–	–	–	–
		EEL Rank		–	–	–	–	–	–
	Design Load		kW	3.6	4.6	6.1	7.1	9.5	9.5
	Annual Electricity Consumption*2		kWh/a	221	304	336	381	539	550
	SEER			5.7	5.3	6.3	6.5	6.1	6.0
		Energy Efficiency Class		A+	A	A++	A++	A++	A+
Heating (Average Season)	Capacity	Rated	kW	4.1	5.0	7.0	8.0	11.2	11.2
		Min - Max	kW	1.6 - 5.2	2.5 - 7.3	2.8 - 8.2	3.5 - 10.2	4.5 - 14.0	4.5 - 14.0
	Total Input	Rated	kW	1.07	1.50	1.96	2.19	3.04	3.04
	COP			–	–	–	–	–	–
		EEL Rank		–	–	–	–	–	–
	Design Load		kW	2.4	3.3	4.4	4.7	7.8	7.8
	Declared Capacity	at reference design temperature	kW	2.4 (–10°C)	3.3 (–10°C)	4.4 (–10°C)	4.7 (–10°C)	7.8 (–10°C)	7.8 (–10°C)
		at bivalent temperature	kW	2.4 (–10°C)	3.3 (–10°C)	4.4 (–10°C)	4.7 (–10°C)	7.8 (–10°C)	7.8 (–10°C)
		at operation limit temperature	kW	2.2 (–11°C)	3.2 (–11°C)	2.8 (–20°C)	3.5 (–20°C)	5.8 (–20°C)	5.8 (–20°C)
	Back Up Heating Capacity		kW	0	0	0	0	0	0
	Annual Electricity Consumption*2		kWh/a	847	1160	1473	1532	2608	2608
	SCOP			3.9	4.0	4.2	4.3	4.1	4.1
		Energy Efficiency Class		A	A+	A+	A+	A+	A+
Operating Current (max)			A	13.4	13.4	19.4	19.4	27.1	8.6
Indoor Unit	Input	Rated	kW	0.04	0.04	0.06	0.06	0.08	0.08
	Operating Current (max)		A	0.4	0.4	0.43	0.43	0.57	0.57
	Dimensions <Panel>	H x W x D	mm	295 - 898 - 249		365 - 1170 - 295			
	Weight <Panel>		kg	13	13	21	21	21	21
	Air Volume [Lo-Mid-Hi]		m³/min	9 - 10.5 - 12	9 - 10.5 - 12	18 - 20 - 22	18 - 20 - 22	20 - 23 - 26	20 - 23 - 26
	Sound Level (SPL) [Lo-Mid-Hi]		dB(A)	36 - 40 - 43	36 - 40 - 43	39 - 42 - 45	39 - 42 - 45	41 - 45 - 49	41 - 45 - 49
	Sound Level (PWL)		dB(A)	60	60	64	64	65	65
Outdoor Unit	Dimensions	H x W x D	mm	630 - 809 - 300		943 - 950 - 330 (+30)		1338 - 1050 - 330 (+40)	
	Weight		kg	43	46	67	67	116	123
	Air Volume	Cooling	m³/min	45.0	45.0	55.0	55.0	110.0	110.0
		Heating	m³/min	45.0	45.0	55.0	55.0	110.0	110.0
	Sound Level (SPL)	Cooling	dB(A)	44	44	47	47	49	49
		Heating	dB(A)	46	46	48	48	51	51
	Sound Level (PWL)	Cooling	dB(A)	65	65	67	67	69	69
	Operating Current (max)		A	13.0	13.0	19.0	19.0	26.5	8.0
	Breaker Size		A	16	16	25	25	32	16
Ext. Piping	Diameter	Liquid / Gas	mm	6.35 / 12.7	6.35 / 12.7	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	75	75
	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
		Heating	°C	–11 ~ +21	–11 ~ +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 1kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1kg of CO_2, 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.
*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/SCOP values are measured based on EN14825. These values are reference purpose only.

PKZ-P SERIES
STANDARD INVERTER

EUROVENT CERTIFIED PERFORMANCE

Demand Control (Optional) · Pure White · AUTO VANE · Check! (Optional) · SWING · AUTO · ACO · Auto Restart · Low Temp Cooling · Silent · Rotation Back-up (Optional) · (Optional) · Group Control (Optional) · M-NET connection (Optional) · Wi-Fi Interface (Optional)

COMPO · Cleaning-free pipe route · Wiring Reuse (Optional) · Drain Lift Up (Optional) · Pump Down · Flare connection · Self Diagnosis · Failure Recall

Type				Inverter Heat Pump	
Indoor Unit				PKA-RP100KAL	
Outdoor Unit				PUHZ-P100VHA4	PUHZ-P100YHA2
Refrigerant				R410A*1	
Power Supply	Source			Outdoor power supply	
	Outdoor (V/Phase/Hz)			230 / Single / 50	400 / Three / 50
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
	Design Load		kW	9.4	9.4
	Annual Electricity Consumption*2		kWh/a	686	686
	SEER			4.8	4.8
		Energy Efficiency Class		B	B
Heating (Average Season)	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
	Design Load		kW	7.0	7.0
	Declared Capacity	at reference design temperature	kW	5.6 (–10°C)	5.6 (–10°C)
		at bivalent temperature	kW	6.2 (–7°C)	6.2 (–7°C)
		at operation limit temperature	kW	4.5 (–15°C)	4.5 (–15°C)
	Back Up Heating Capacity		kW	1.4	1.4
	Annual Electricity Consumption*2		kWh/a	2579	2579
	SCOP			3.8	3.8
		Energy Efficiency Class		A	A
Operating Current (max)			A	28.6	13.6
Indoor Unit	Input	Rated	kW	0.08	0.08
	Operating Current (max)		A	0.57	0.57
	Dimensions <Panel>	H x W x D	mm	365 - 1170 - 295	
	Weight <Panel>		kg	21	21
	Air Volume [Lo-Mid-Hi]		m³/min	20 - 23 - 26	20 - 23 - 26
	Sound Level (SPL) [Lo-Mid-Hi]		dB(A)	41 - 45 - 49	41 - 45 - 49
	Sound Level (PWL)		dB(A)	65	65
Outdoor Unit	Dimensions	H x W x D	mm	943 - 950 - 330 (+30)	
	Weight		kg	75	77
	Air Volume	Cooling	m³/min	60.0	60.0
		Heating	m³/min	60.0	60.0
	Sound Level (SPL)	Cooling	dB(A)	50	50
		Heating	dB(A)	54	54
	Sound Level (PWL)	Cooling	dB(A)	70	70
	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*3	°C	–15 ~ +46	–15 ~ +46
		Heating	°C	–15 ~ +21	–15 ~ +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 1kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1kg of CO_2, 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.
*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/SCOP values are measured based on EN14825. These values are reference purpose only.