

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

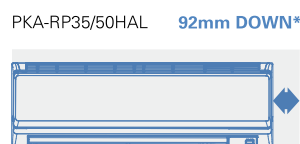


PKA-RP KAL

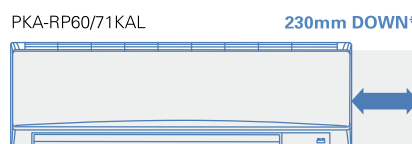


Compact Indoor Units

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



* Compared to PKA-RP35/50GAL



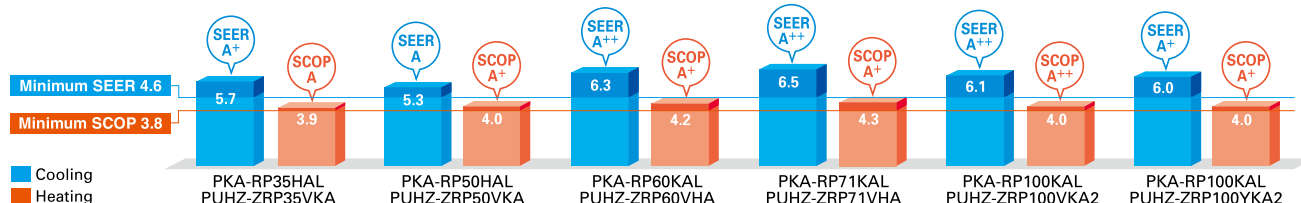
* Compared to PKA-RP60/71FAL



* Compared to PKA-RP100FAL

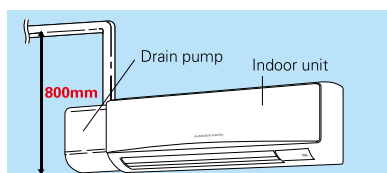
ErP Lot 10 Compliant with High Energy-efficiency Achieving SEER/SCOP Rank A, A+ and A++

Highly efficient indoor unit heat exchangers and 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



PUAH-ZRP35/50



PUAH-ZRP60/71



PUAH-ZRP100

For Multi
(Twin/Triple/Quadruple)



PUAH-ZRP71



PUAH-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



PUAH-P100

For Multi
(Twin/Triple/Quadruple)



PUAH-P100



PUAH-P125/140



PUAH-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-50MR-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-50MR-E	-	MSDT-111R-E			MSDF-1111R-E	

PKZ-RP SERIES

POWER INVERTER



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		
Refrigerant														
Power Supply				Source				R410A*1						
Outdoor (V/Phase/Hz)								Outdoor power supply						
								VKA・VHA:230 / Single / 50, YKA:400 / Three / 50						
Cooling	Capacity	Rated	kW	3.6		4.6		6.1		7.1		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		
	Total Input	Rated	kW	0.94		1.41		1.60		1.80		2.40		
	EER			—		—		—		—		—		
	EEL Rank			—		—		—		—		—		
	Design Load		kW	3.6		4.6		6.1		7.1		9.5		
	Annual Electricity Consumption*2		kWh/a	221		304		336		381		539		
	SEER			5.7		5.3		6.3		6.5		6.1		
	Energy Efficiency Class			A+		A		A++		A++		A++		
	Heating (Average Season)	Capacity	Rated	kW	4.1		5.0		7.0		8.0		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		
Total Input		Rated	kW	1.07		1.50		1.96		2.19		3.04		
COP				—		—		—		—		—		
EEL Rank			—		—		—		—		—			
Design Load			kW	2.4		3.3		4.4		4.7		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)		
		at bivalent temperature	kW	2.4 (−10°C)		3.3 (−10°C)		4.4 (−10°C)		4.7 (−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)		
Back Up Heating Capacity			kW	0		0		0		0		0		
Annual Electricity Consumption*2		kWh/a	847		1160		1473		1532		2608			
SCOP			3.9		4.0		4.2		4.3		4.1			
Energy Efficiency Class			A		A+		A+		A+		A+			
Operating Current (max)				A	13.4		13.4		19.4		19.4			
Indoor Unit	Input	Rated	kW	0.04		0.04		0.06		0.06		0.08		
		A		0.4		0.4		0.43		0.43		0.57		
	Operating Current (max)		0.4		0.4		0.43		0.43		0.57			
	Dimensions <Panel>	H × W × D	mm	295 - 898 - 249						365 - 1170 - 295				
	Weight <Panel>		kg	13		13		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		
	Sound Level (SPL) [Lo-Mid-Hi]		dB(A)	36 - 40 - 43		36 - 40 - 43		39 - 42 - 45		39 - 42 - 45		41 - 45 - 49		
	Sound Level (PWL)		dB(A)	60		60		64		64		65		
	Dimensions	H × W × D	mm	630 - 809 - 300				943 - 950 - 330 (+30)				1338 - 1050 - 330 (+40)		
	Weight		kg	43		46		67		67		116		
Outdoor Unit	Air Volume	Cooling	m³/min	45.0		45.0		55.0		55.0		110.0		
		Heating	m³/min	45.0		45.0		55.0		55.0		110.0		
	Sound Level (SPL)	Cooling	dB(A)	44		44		47		47		49		
		Heating	dB(A)	46		46		48		48		51		
	Sound Level (PWL)	Cooling	dB(A)	65		65		67		67		69		
		Heating	dB(A)	43		43		46		46		50		
	Operating Current (max)	A	13.0		13.0		19.0		19.0		26.5			
	Breaker Size	A	16		16		25		25		32			
	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	
		Max. Length	Out-In	m	50		50		50		50		75	
Max. Height		Out-In	m	30		30		30		30		30		
		Max. Height	m	30		30		30		30		30		
Guaranteed Operating Range [Outdoor]				Cooling*3	°C	−15 ~ +46		−15 ~ +46		−15 ~ +46		−15 ~ +46		
				Heating	°C	−11 ~ +21		−11 ~ +21		−20 ~ +21		−20 ~ +21		

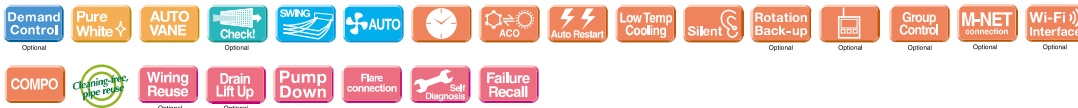
*1 Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if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

*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



Type				Inverter Heat Pump			
Indoor Unit				PKA-RP100KAL			
Outdoor Unit				PUHZ-P100VHA4		PUHZ-P100YHA2	
Refrigerant				R410A*1			
Power Supply				Outdoor power supply			
Source 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		13.6	
Indoor Unit	Input	Rated	kW	0.08		0.08	
		Operating Current (max)	A	0.57		0.57	
	Dimensions <Panel>	H × W × 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 × W × 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	
				Heating	°C	−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 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.

*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.