

# 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

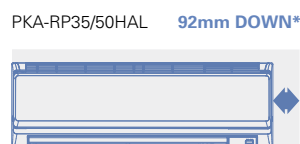


PKA-RP KAL

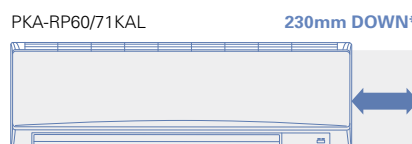


## Compact Indoor Units

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



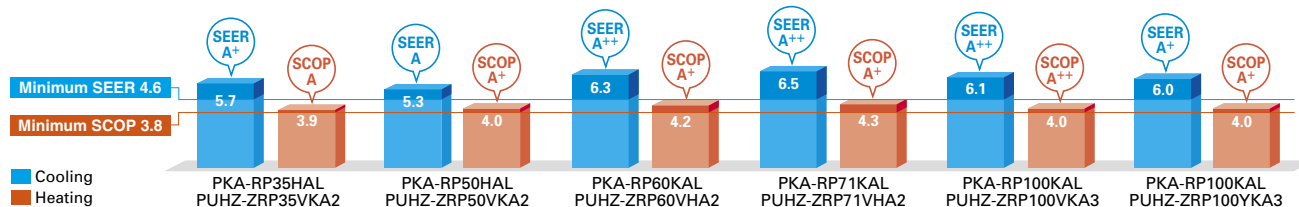
\* Compared to PKA-RP60/71FAL



\* Compared to PKA-RP100FAL

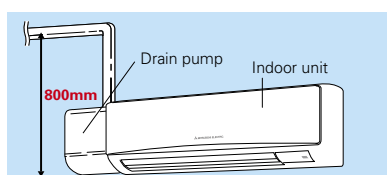
## ErP Lot 10 Compliant with High Energy-efficiency Achieving SEER/SCOP Rank A, A+ and A++

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-32MAA and PAC-YT52CRA wired remote controllers can be used as well.

\* Connection to PAR-32MAA/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 25-28.



## 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 (\*)



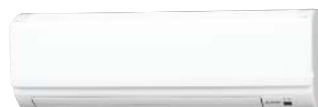
Optional (\*)



### 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-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

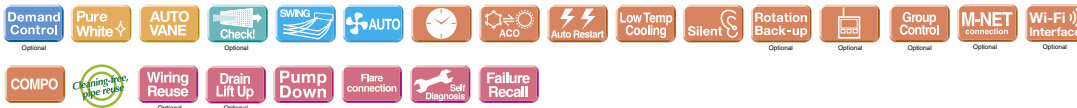


Type			Inverter Heat Pump						
Indoor Unit			PKA-RP35HAL	PKA-RP50HAL	PKA-RP60KAL	PKA-RP71KAL	PKA-RP100KAL		
Outdoor Unit			PUHZ-ZRP35VKA2	PUHZ-ZRP50VKA2	PUHZ-ZRP60VHA2	PUHZ-ZRP71VHA2	PUHZ-ZRP100VKA3	PUHZ-ZRP100YKA3	
Refrigerant			R410A*1						
Power Supply	Source Outdoor (V/Phase/Hz)	Outdoor power supply VKA・VHA:230 / Single / 50, YKA:400 / Three / 50							
Cooling	Capacity	Rated	kW	3.6	4.6	6.1	7.1	9.5	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 valient 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 × W × 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 × W × D	mm	630・809・300		943・950・330 (+30)		1338・1050・330 (+40)	
	Weight		kg	43	46	70	70	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
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

\*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



Type				Inverter Heat Pump				
Indoor Unit				PKA-RP100KAL				
Outdoor Unit				PUHZ-P100VHA5		PUHZ-P100YHA3		
Refrigerant				R410A*1				
Power Supply		Source Outdoor (V/Phase/Hz)		230 / Single / 50		Outdoor power supply		
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)		
		ativalent 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 × 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		−15 ~ +46	
			Heating	°C	−15 ~ +21		−15 ~ +21	

\*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.