

PKA_{SERIES}

The compact, wall-mounted indoor units offer the convenience of simple installation, and a large product line-up (M35-M100 models) ensures a best-match solution. Designed for highly efficient energy savings, the PKA Series is the answer to your air conditioning needs.

R32
R410A

PKA-M35/50LA(L)3

R32
R410A

PKA-M60/71/100KA(L)3



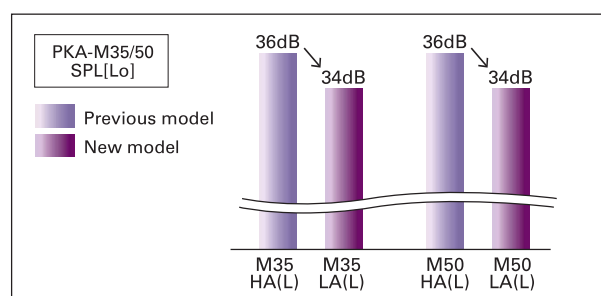
New Design (M35-50)

A sharp and simple form that combines beauty and function. The simple square design harmonizes beautifully with the straight lines created by the intersection of the walls, floor and ceiling of the space, leading to a better quality of space. Also adopted a new white body color. It will make your life and space beautiful and comfortable without disturbing the atmosphere of the room. In addition, we realized miniaturization of conventional model. It contributes to space saving of installation area and giving room to room space.



Quietness (M35-50)

The noise level has been significantly reduced compared to the conventional model by reviewing the unit structure and improving the line flow fan.



New Wireless Remote Controller Included

The PKA-KAL3 series wireless remote controller has been updated. It now comes with a new stylish remote controller that fits comfortably in your hand and has a wide range of useful functions.

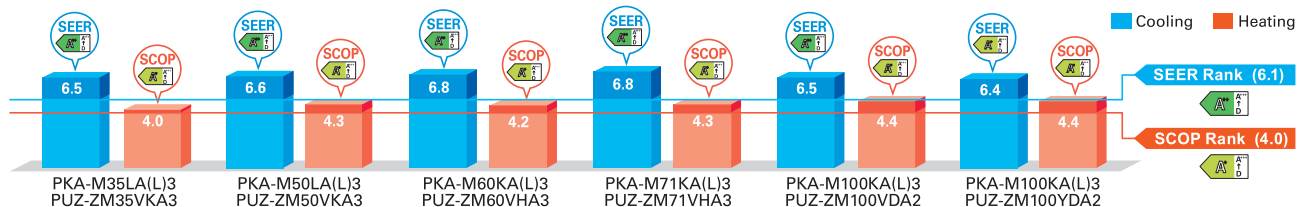


Main Functions of new Wireless Remote Controller

- Weekly Timer
- Backlight
- Dual set point
- Battery replacement sign etc...

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 (PUZ-ZM) 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.

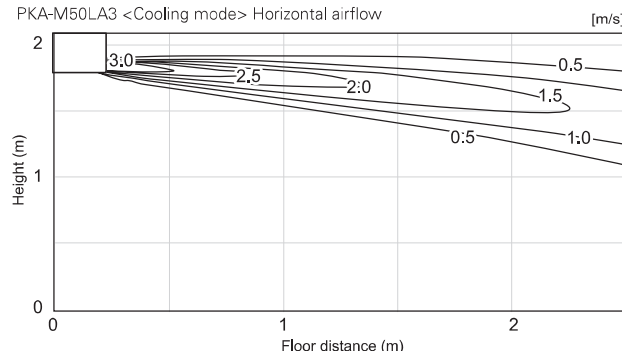


Airflow Control - Horizontal Airflow - (M35-50)

Significantly improved airflow control to achieve horizontal airflow. This reduces the feeling of draft even on a wall-mounted model, and air conditioning the indoor space firmly.

Airflow distributions

PKA-M50LA3 <Cooling mode> Horizontal airflow



SERIES SELECTION

Power Inverter Series



Indoor Unit

R32
R410A



PKA-M35/50LA(L)3



PKA-M60/71/100KA(L)3

Outdoor Unit

R32

For Single



PUZ-ZM35/50



PUZ-ZM60/71



PUZ-ZM100

R32

For Multi
(Twin/Triple/
Quadruple)



PUZ-ZM71



PUZ-ZM100/125/140



PUZ-ZM200/250

Remote Controller



Optional (*)



Optional



Optional (*)



*PKA-M•KAL3/LAL3 only

(*) PAC-SH29TC-E is required for LAL and KAL (optional)

PKA-M LA(L)3/KA(L)3 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 (PUZ-ZM)		35x1	50x1	60x1	71x1	100x1	—	—	—	—	35x2	50x2	60x2	71x2	100x2	—	50x3	60x3	71x3	50x4	60x4
	Distribution Pipe	—	—	—	—	—	—	—	—		MSDD-50TR2-E				MSDD-50WR3-E	—	MSDT-111R4-E			MSDF-1111R3-E	

SERIES SELECTION

Standard Inverter Series



Indoor Unit

R32
R410A



PKA-M35/50LA(L)3



PKA-M60/71/100KA(L)3

Outdoor Unit

R32

For Single



PUZ-M100

R32

For Multi
(Twin/Triple/Quadruple)



PUZ-M100/125/140



PUZ-M200/250

Remote Controller



Optional (*)



Optional



Optional (*)



*PKA-M•KAL3/LAL3 only

(*) PAC-SH29TC-E is required for LAL and KAL (optional)

PKA-M LA(L)3/KA(L)3 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
Standard Inverter (PUZ-M)		—	—	—	—	100x1	—	—	—	—	—	50x2	60x2	71x2	100x2	—	50x3	60x3	71x3	50x4	60x4
	Distribution Pipe	—	—	—	—	—	—	—	—	—	—	MSDD-50TR2-E			MSDD-50WR3-F	—	MSDT-111R4-E			MSDF-1111R3-F	

PKA-M SERIES

POWER INVERTER



Type				PKA-M35LA(L)3		PKA-M50LA(L)3		PKA-M60KA(L)3		PKA-M71KA(L)3		PKA-M100KA(L)3	
Indoor Unit				PUZ-ZM35VKA3		PUZ-ZM50VKA3		PUZ-ZM60VHA3		PUZ-ZM71VHA3		PUZ-ZM100VDA2	
Outdoor Unit													
Refrigerant ⁽¹⁾								R32					
Power Supply				Source		Outdoor power supply							
				Outdoor (V/Phase/Hz)		230/Single/50						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	0.858	1.240	1.561	1.864	2.436	2.436			
	EER				4.20	3.71	3.91	3.81	3.90	3.90			
	Design load			kW	3.6	4.6	6.1	7.1	9.5	9.5			
	Annual electricity consumption ⁽²⁾			kWh/a	194	244	314	365	508	519			
	SEER ⁽²⁴⁾				6.5	6.6	6.8	6.8	6.5	6.4			
				Energy efficiency class		A++	A++	A++	A++	A++	A++		
				ηsc									
Heating	Capacity		Rated	kW	4.1	5.0	7.0	8.0	11.2	11.2			
			Min-Max	kW	1.6 - 5.2	2.5 - 7.0	2.8 - 8.2	3.5 - 10.2	2.7 - 14.0	2.7 - 14.0			
	Total Input		Rated	kW	1.041	1.345	1.733	2.117	3.103	3.103			
	COP				3.94	3.72	4.04	3.78	3.61	3.61			
	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)	3.4 (-20°C)	5.8 (-20°C)	5.8 (-20°C)			
	Back up heating capacity			kW	0.0	0.0	0.0	0.0	0.0	0.0			
	Annual electricity consumption ⁽²⁾			kWh/a	829	1074	1456	1530	2480	2481			
	SCOP ⁽²⁴⁾				4.0	4.3	4.2	4.3	4.4	4.4			
					Energy efficiency class		A+	A+	A+	A+	A+		
				ηsh									
Operating Current (Max)				A	13.4	13.4	19.4	19.4	27.1	8.6			
Indoor Unit	Input [Cooling/Heating]		Rated	kW	0.04 / 0.03	0.04 / 0.03	0.06 / 0.04	0.06 / 0.05	0.08 / 0.07	0.08 / 0.07			
	Operating Current (Max)			A	0.35	0.35	0.43	0.43	0.57	0.57			
	Dimensions		H*W*D	mm	299 - 898 - 237	299 - 898 - 237	365 - 1170 - 295	365 - 1170 - 295	365 - 1170 - 295	365 - 1170 - 295			
	Weight			kg	12.6	12.6	21	21	21	21			
	Air Volume (Lo-Mi2-Mi1-Hi)			m³/min	7.5 - 8.2 - 9.2 - 10.9	7.5 - 8.2 - 9.2 - 10.9	18 - 20 - 22	18 - 20 - 22	20 - 23 - 26	20 - 23 - 26			
	Sound Level (Lo-Mi2-Mi1-Hi) (SPL)			dB(A)	34 - 37 - 40 - 43	34 - 37 - 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			
	Sound Level (PWL)			dB(A)	60	60	64	64	65	65			
Outdoor Unit	Dimensions		H*W*D	mm	630 - 809 - 320	630 - 809 - 320	943 - 950 - 355	943 - 950 - 355	870 - 1100 - 505	870 - 1100 - 505			
	Weight			kg	46	46	67	67	108	114			
	Air Volume		Cooling	m³/min	40	40	55	55	80	80			
			Heating	m³/min	40	34	55	55	58	58			
	Sound Level (SPL)		Cooling	dB(A)	44	44	47	47	44	44			
			Heating	dB(A)	46	46	49	49	48	48			
	Sound Level (PWL)		Cooling	dB(A)	65	65	67	67	63	63			
			Heating	dB(A)	65	65	67	67	63	63			
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 ⁽²⁸⁾		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	55	55	100	100			
	Max.Height		Out-In	m	30	30	30	30	30	30			
Guaranteed Operating Range (Outdoor)				Cooling ⁽²³⁾	°C	-15 ~ 46	-15 ~ 46	-15 ~ 46	-15 ~ 46	-20 ~ 46	-20 ~ 46		
				Heating	°C	-11 ~ 21	-11 ~ 21	-20 ~ 21	-20 ~ 21	-20 ~ 21	-20 ~ 21		