

SERIES SELECTION

Power Inverter Series



Indoor Unit

R32
R410A



PKA-M35/50LA(L)2



PKA-M60/71/100KA(L)2

Outdoor Unit

R410A

For Single



PUHZ-ZRP35/50



PUHZ-ZRP60/71



PUHZ-ZRP100

R410A

For Multi
(Twin/Triple/Quadruple)



PUHZ-ZRP71



PUHZ-ZRP100/125/140/200/250

Remote Controller



Optional (*)



Optional



Optional (*)



*PKA-M•KAL2/LAL2 only

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

PKA-M LA(L)/KA(L) 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	

SERIES SELECTION

Standard Inverter Series



Indoor Unit

R32
R410A



PKA-M35/50LA(L)2



PKA-M60/71/100KA(L)2

Outdoor Unit

R410A

For Single



PUHZ-P100

R410A

For Multi
(Twin/Triple/Quadruple)



PUHZ-P100/125/140



PUHZ-P200/250

Remote Controller



Optional (*)



Optional



Optional (*)



*PKA-M•KAL2/LAL2 only

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

PKA-M LA/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
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	

PKA-M SERIES

POWER INVERTER



Type		Inverter Heat Pump												
Indoor Unit		PKA-M35LA(L)I2		PKA-M50LA(L)I2		PKA-M60KA(L)I2		PKA-M71KA(L)I2		PKA-M100KA(L)I2		PKA-M100KA(L)I2		
Outdoor Unit		PUHZ-ZRP35VKA2		PUHZ-ZRP50VKA2		PUZ-ZRP60VHA2		PUHZ-ZRP71VHA2		PUHZ-ZRP100VKA3		PUHZ-ZRP100YKA3		
Refrigerant ⁽¹⁾		R410A												
Power Source		Outdoor power supply												
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	
		Min-Max	kW		1.6 - 4.5		2.3 - 5.4		2.7 - 6.7		3.3 - 8.1		4.9 - 11.4	
	Total Input	Rated	kW		0.940		1.424		1.601		1.802		2.398	
	EER				3.80		3.23		3.81		3.94		3.96	
	Design load		kW		3.6		4.6		6.1		7.1		9.5	
Heating	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		1.070		1.501		1.960		2.191		3.043	
	COP				3.83		3.33		3.57		3.65		3.68	
	Design load		kW		2.4		3.3		4.4		4.7		7.8	
Operating	Current(Max)		A		13.4		13.4		19.4		19.4		27.1	
	Input [cooling / Heating]	Rated	kW		0.04 / 0.03		0.04 / 0.03		0.06 / 0.05		0.06 / 0.05		0.08 / 0.07	
	Operating Current(Max)		A		0.35		0.35		0.43		0.43		0.57	
	Dimensions	H*W*D	mm		299-899-237		299-899-237		365-1170-295		365-1170-295		365-1170-295	
	Weight		kg		12.6		12.6		21		21		21	
Indoor Unit	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	
	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	
	Sound Level (PWL)		dB(A)		60		60		64		64		65	
	Dimensions	H*W*D	mm		630-809-300		630-809-300		943-950-330(+30)		943-950-330(+30)		1338-1050-330(+40)	
	Weight		kg		43		46		70		70		123	
Outdoor Unit	Air Volume	Cooling	m³/min		45		45		55		55		110	
		Heating	m³/min		45		45		55		55		110	
	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	
Ext.Piping	Diameter ⁽⁵⁾	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	
	Guaranteed Operating Range (Outdoor)	Cooling ⁽³⁾	°C		-15 ~ +46		-15 ~ +46		-15 ~ +46		-15 ~ +46		-15 ~ +46	
		Heating	°C		-11 ~ +21		-11 ~ +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 550. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 550 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. The GWP of R32 is 675 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.
 *4 SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012.
 *5 Joint pipe is required depending on installed refrigerant pipes, outdoor units and indoor units.

PKA-M SERIES

STANDARD INVERTER



Type		Inverter Heat Pump										
Indoor Unit		PKA-M100KA(L)I2										
Outdoor Unit		PUHZ-P100VKA					PUHZ-P100YKA					
Refrigerant ⁽¹⁾		R410A										
Power Source		Outdoor power supply										
Supply Outdoor(V/Phase/Hz)		VKA-VHA:230/Single/50, YKA:400/Three/50										
Cooling	Capacity	Rated	kW		9.4						9.4	
		Min-Max	kW		3.7 - 10.6						3.7 - 10.6	
	Total Input	Rated	kW		3.122						3.122	
	EER				3.01						3.01	
	Design load		kW		9.4						9.4	
Heating	Capacity	Rated	kW		11.2						11.2	
		Min-Max	kW		2.8 - 12.5						2.8 - 12.5	
	Total Input	Rated	kW		3.489						3.489	
	COP				3.21						3.21	
	Design load		kW		8.0						8.0	
Operating	Current(Max)		A		20.6						20.6	
	Input [cooling / Heating]	Rated	kW		0.08 / 0.07						0.08 / 0.07	
	Operating Current(Max)		A		0.57						0.57	
	Dimensions	H*W*D	mm		365-1170-295						365-1170-295	
	Weight		kg		21						21	
Indoor Unit	Air Volume (Lo-Mi2-Mi1-Hi)		m³/min		20-23-26						20-23-26	
	Sound Level (Lo-Mi2-Mi1-Hi) (SPL)		dB(A)		41-45-49						41-45-49	
	Sound Level (PWL)		dB(A)		65						65	
	Dimensions	H*W*D	mm		981-1050-330						981-1050-330	
	Weight		kg		76						78	
Outdoor Unit	Air Volume	Cooling	m³/min		79						79	
		Heating	m³/min		79						79	
	Sound Level (SPL)	Cooling	dB(A)		51						51	
		Heating	dB(A)		54						54	
	Sound Level (PWL)	Cooling	dB(A)		70						70	
Ext.Piping	Diameter ⁽⁵⁾	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	

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