

SERIES SELECTION

Power Inverter Series



Indoor Unit

R32
R410A



PKA-M35/50LA(L)

R32
R410A



PKA-M60/71/100KA(L)

Outdoor Unit

R32

For Single



PUZ-ZM35/50



PUZ-ZM60/71



PUZ-ZM100/125/140

R32

For Multi
(Twin/Triple/Quadruple)



PUZ-ZM71



PUZ-ZM100/125/140/200/250

Remote Controller



Optional (*)



Optional



Optional (*)



*PKA-M60/71/100KAL only



*PKA-M35/50LAL 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-50TR2-E				MSDD-50MR2-E	—	MSDT-111R3-E			MSDF-1111R2-E	

SERIES SELECTION

Standard Inverter Series



Indoor Unit

R32
R410A



PKA-M35/50LA(L)



PKA-M60/71/100KA(L)

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-M60/71/100KAL only



*PKA-M35/50LAL 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-50TR2-E			MSDD-50WR2-E	—	MSDT-111R3-E			MSDF-111B2-E	

PKA-M SERIES

POWER INVERTER



Type			Inverter Heat Pump					
Indoor Unit			PKA-M35LA(L)	PKA-M50LA(L)	PKA-M60KA(L)	PKA-M71KA(L)	PKA-M100KA(L)	
Outdoor Unit			PUZ-ZM35VKA	PUZ-ZM50VKA	PUZ-ZM60VHA	PUZ-ZM71VHA	PUZ-ZM100VKA	PUZ-ZM100YKA
Refrigerant			R32*1					
Power Supply			Outdoor power supply					
Source			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	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		0.850	1.230	1.560	1.863	2.405	2.405
	EER		4.20	3.71	3.91	3.81	3.95	3.95
	EEL Rank		—	—	—	—	—	—
	Design Load		3.6	4.6	6.1	7.1	9.5	9.5
	Annual Electricity Consumption*2		194	244	313	364	508	519
	SEER*4		6.5	6.6	6.8	6.8	6.5	6.4
	Energy Efficiency Class		A++	A++	A++	A++	A++	A++
	Capacity		4.1	5.0	7.0	8.0	11.2	11.2
Heating (Average Season)	Rated	kW	1.6 - 5.2	2.5 - 6.6	2.8 - 8.2	3.5 - 10.2	4.5 - 14.0	4.5 - 14.0
		Min - Max	1.040	1.340	1.732	2.116	3.102	3.102
	Total Input		0.394	0.372	0.404	0.378	0.361	0.361
	COP		—	—	—	—	—	—
	EEL Rank		—	—	—	—	—	—
	Design Load		2.4	3.3	4.4	4.7	7.8	7.8
	Declared Capacity		at reference design temperature	at reference design temperature	at reference design temperature	at reference design temperature	at reference design temperature	at reference design temperature
			at bivalent temperature	at bivalent temperature	at bivalent temperature	at bivalent temperature	at bivalent temperature	at bivalent temperature
			at operation limit temperature	at operation limit temperature	at operation limit temperature	at operation limit temperature	at operation limit temperature	at operation limit temperature
	Back Up Heating Capacity		0	0	0	0	0	0
Annual Electricity Consumption*2	kW		829	1074	1460	1523	2472	2472
	Annual Electricity Consumption*2		4.0	4.3	4.2	4.3	4.4	4.4
	SEER*4		A+	A+	A+	A+	A+	A+
	Energy Efficiency Class		A+	A+	A+	A+	A+	A+
Operating Current (max)	Input		13.4	13.4	19.4	19.4	27.1	8.6
	Rated		0.04 / 0.03	0.04 / 0.03	0.06 / 0.05	0.06 / 0.05	0.08 / 0.07	0.08 / 0.07
	Operating Current (max)		0.35	0.35	0.43	0.43	0.57	0.57
	Dimensions <Panel>		299 - 898 - 237	299 - 898 - 237	365 - 1170 - 295	365 - 1170 - 295	365 - 1170 - 295	365 - 1170 - 295
	Weight <Panel>		12.6	12.6	21	21	21	21
	Air Volume [Lo-Mi2-Mi1-Hi]		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 (SPL) [Lo-Mi2-Mi1-Hi]		34 - 37 - 40 - 43	34 - 37 - 40 - 43	39 - 42 - 45	39 - 42 - 45	41 - 45 - 49	41 - 45 - 49
	Sound Level (PWL)		60	60	64	64	65	65
	Dimensions		630 - 809 - 300	630 - 809 - 300	943 - 950 - 330 (+25)	943 - 950 - 330 (+25)	1338 - 1050 - 330 (+40)	1338 - 1050 - 330 (+40)
	Weight		46	46	70	70	116	123
Outdoor Unit	Cooling	m³/min	45	45	55	55	110	110
		Heating	45	45	55	55	110	110
	Sound Level (SPL)	Cooling	44	44	47	47	49	49
		Heating	46	46	49	49	51	51
	Sound Level (PWL)	Cooling	65	65	67	67	69	69
		Heating	65	65	67	67	69	69
	Operating Current (max)		13.0	13.0	19.0	19.0	26.5	8.0
	Breaker Size		16	16	25	25	32	16
	Diameter		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		50	50	55	55	100	100
Ext. Piping	Max. Height	Out-In	30	30	30	30	30	30
		Heating	30	30	30	30	30	30
	Guaranteed Operating Range [Outdoor]		Cooling*3	Cooling*3	Cooling*3	Cooling*3	Cooling*3	Cooling*3
			°C	°C	°C	°C	°C	°C
			-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
			-11 ~ +21	-11 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21
			°C	°C	°C	°C	°C	°C
			-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
			-11 ~ +21	-11 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21
			°C	°C	°C	°C	°C	°C

*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.

PKA-M SERIES

STANDARD INVERTER



Type				Inverter Heat Pump				
Indoor Unit				PKA-M100KA(L)				
Outdoor Unit				PUZ-M100VKA		PUZ-M100YKA		
Refrigerant				R32*1				
Power Supply				Outdoor power supply				
Source Outdoor (V/Phase/Hz)				230 / Single / 50		400 / Three /50		
Cooling	Capacity	Rated	kW	9.5		9.5		
		Min - Max	kW	4.0 - 10.6		4.0 - 10.6		
	Total Input	Rated	kW	2.94		2.94		
	EER			3.23		3.23		
	EEL Rank			-		-		
	Design Load		kW	9.5		9.5		
	Annual Electricity Consumption*2		kWh/a	572		572		
	SEER*4			5.8		5.8		
	Energy Efficiency Class			A+		A+		
	Heating (Average Season)	Capacity	Rated	kW	11.2		11.2	
Min - Max			kW	2.8 - 12.5		2.8 - 12.5		
Total Input		Rated	kW	3.28		3.28		
COP				3.41		3.41		
EEL Rank			-		-			
Design Load			kW	8.0		8.0		
Declared Capacity		at reference design temperature	kW	6.0 (-10°C)		6.0 (-10°C)		
		at bivalent temperature	kW	7.0 (-7°C)		7.0 (-7°C)		
		at operation limit temperature	kW	4.5 (-15°C)		4.5 (-15°C)		
Back Up Heating Capacity			kW	2.0		2.0		
Annual Electricity Consumption*2		kWh/a	2797		2797			
SCOP*4			4.0		4.0			
Energy Efficiency Class			A+		A+			
Operating Current (max)				A		12.1		
Indoor Unit	Input	Rated	kW	20.6		12.1		
			kW	0.08		0.08		
	Operating Current (max)		A	0.57		0.57		
	Dimensions <Panel>	H × W × D	mm	365 - 1170 - 295		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		
	Dimensions	H × W × D	mm	981 - 1050 - 330 (+40)		981 - 1050 - 330 (+40)		
	Weight		kg	76		78		
Outdoor Unit	Air Volume	Cooling	m³/min	79.0		79.0		
		Heating	m³/min	79.0		79.0		
	Sound Level (SPL)	Cooling	dB(A)	51		51		
		Heating	dB(A)	54		54		
	Sound Level (PWL)	Cooling	dB(A)	70		70		
		Heating	dB(A)	70		70		
	Operating Current (max)		A	20.0		11.5		
	Breaker Size		A	32		16		
	Ext. Piping	Diameter	Liquid / Gas	mm	9.52 / 15.88		9.52 / 15.88	
		Max. Length	Out-In	m	55		55	
Max. Height		Out-In	m	30		30		
Guaranteed Operating Range [Outdoor]				Cooling*3	°C	-15 ~ +46		
				Heating	°C	-15 ~ +21		

SERIES SELECTION

Power Inverter Series



Indoor Unit

R32

R410A



PKA-M35/50LA(L)



PKA-M60/71/100KA(L)

Outdoor Unit

R410A

For Single



PUAZ-ZRP35/50



PUAZ-ZRP60/71



PUAZ-ZRP100

R410A

For Multi
(Twin/Triple/Quadruple)



PUAZ-ZRP71



PUAZ-ZRP100/125/140/200/250

Remote Controller



Optional (*)



Optional



Optional (*)



*PKA-M60/71/100KAL only

*PKA-M35/50LAL only

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

Standard Inverter Series



Indoor Unit

R32

R410A



PKA-M35/50LA(L)



PKA-M60/71/100KA(L)

Outdoor Unit

R410A

For Single



PUAZ-P100

R410A

For Multi
(Twin/Triple/Quadruple)



PUAZ-P100/125/140



PUAZ-P200/250

Remote Controller



Optional (*)



Optional



Optional (*)



*PKA-M60/71/100KAL only

*PKA-M35/50LAL 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	
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	

PKA-M SERIES

POWER INVERTER



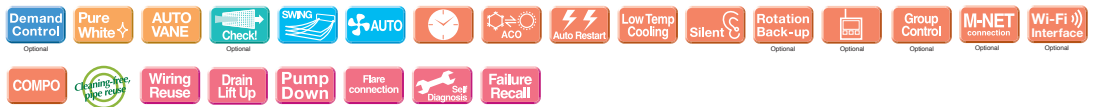
Type			Inverter Heat Pump						
Indoor Unit			PKA-M35LA(L)	PKA-M50LA(L)	PKA-M60KA(L)	PKA-M71KA(L)	PKA-M100KA(L)		
Outdoor Unit			PUHZ-ZRP35VKA2	PUHZ-ZRP50VKA2	PUHZ-ZRP60VHA2	PUHZ-ZRP71VHA2	PUHZ-ZRP100VKA3	PUHZ-ZRP100YKA3	
Refrigerant			R410A*1						
Power Supply	Source		Outdoor power supply						
Outdoor (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 - 5.4	2.7 - 6.7	3.3 - 8.1	4.9 - 11.4	4.9 - 11.4
	Total Input	Rated	kW	0.940	1.424	1.60	1.80	2.40	2.40
	EER			3.80	3.23	3.81	3.94	3.96	3.96
	EEL Rank								
	Design Load		kW	3.6	4.6	6.1	7.1	9.5	9.5
	Annual Electricity Consumption*2		kWh/a	206	263	324	368	522	533
	SEER*4			6.1	6.1	6.5	6.7	6.3	6.2
	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	1.070	1.501	1.96	2.19	3.04	3.04
	COP			3.83	3.33	3.57	3.65	3.68	3.68
	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	841	1126	1473	1532	2608	2608	
SCOP*4			3.9	4.1	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 (Cooling / Heating)	Rated	kW	0.04 / 0.03	0.04 / 0.03	0.06	0.06	0.08	0.08
	Operating Current (max)		A	0.35	0.35	0.43	0.43	0.57	0.57
	Dimensions <Panel>		H x W x D	mm	299 - 898 - 237		365 - 1170 - 295		
	Weight <Panel>		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 (SPL) [Lo-Mi2-Mi1-Hi]		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
	Dimensions		H x W x 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	45	55	55	110	110
	Heating	m³/min	45	45	55	55	110	110	
Outdoor Unit	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
		Heating	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
		Heating	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
Guaranteed Operating Range [Outdoor]		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 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.
The GWP of R410A is 2088 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.



PKA-M SERIES

STANDARD INVERTER

Type			Inverter Heat Pump		
Indoor Unit			PKA-M100KA(L)		
Outdoor Unit			PUHZ-P100VKA		PUHZ-P100YKA
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
		Min - Max	kW		3.7 - 10.6
	Total Input	Rated	kW		3.12
		EER			3.01
	EEL Rank				—
	Design Load		kW		9.4
		Annual Electricity Consumption*2	kWh/a		586
	SEER*1				5.6
		Energy Efficiency Class			
Heating (Average Season)	Capacity	Rated	kW		11.2
		Min - Max	kW		2.8 - 12.5
	Total Input	Rated	kW		3.48
		COP			3.21
	EEL Rank				—
	Design Load		kW		8.0
		Declared Capacity	at reference design temperature	kW	
	at bivalent temperature		kW		7.0 (−7°C)
	at operation limit temperature		kW		4.5 (−15°C)
	Back Up Heating Capacity		kW		2.0
	Annual Electricity Consumption*2		kWh/a		2795
		SCOP*3			4.0
Energy Efficiency Class				A+	
Operating Current (max)			A	20.6	12.1
Indoor Unit	Input	Rated	kW		0.08
		Operating Current (max)	A		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
	Dimensions		H × W × D	mm	981 - 1050 - 330
	Outdoor Unit	Weight		kg	
Air Volume			Cooling	m³/min	
Sound Level (SPL)		Heating	m³/min		79
		Cooling	dB(A)		51
Sound Level (PWL)		Heating	dB(A)		54
		Cooling	dB(A)		70
Operating Current (max)		A	20.0	11.5	
Breaker Size		A	32	16	
Ext. Piping		Diameter	Liquid / Gas	mm	
	Max. Length		m		50
	Max. Height	Out-In	m		30
		Heating	°C		−15 ~ +46
Guaranteed Operating Range [Outdoor]		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.
The GWP of R410A is 2088 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.