

PEAD SERIES

R32
R410A

PEAD-M35/50/60/71/100/125/140JA(L)

The thin, ceiling-concealed indoor units of this series are the perfect answer for the air conditioning needs of buildings with minimum ceiling installation space and wide-ranging external static pressure. Energy-saving efficiency has been improved, reducing electricity consumption and contributing to a further reduction in operating cost.



Compact Indoor Units

The height of the models from 35–140 has been unified to 250mm, which makes installation in low ceilings with minimal clearance space possible.

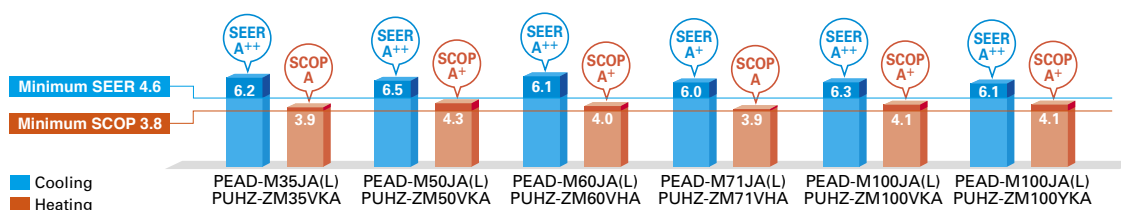


External Static Pressure

External static pressure conversion can be set up to five stages. Capable of being set to a maximum of 150Pa, units are applicable to a wide range of building types.

ErP Lot 10-compliant, Achieving High Energy Efficiency of SEER/SCOP Rank A+ and A++

A direct-current (DC) fan motor is installed in the indoor unit, increasing the seasonal energy efficiency of the newly designed Power Inverter Series (PUHZ-ZRP) and resulting in compliance of the full-capacity models with ErP Lot 10 and energy rankings of A+/A++ for cooling and A+/A+ for heating. This contributes to an impressive reduction in the cost of annual electricity.



Drain Pump Option Available with All Models

The line-up consists of two types, models with or without a built-in drain pump.



PEAD-M JA → Drain pump built-in



PEAD-M JAL → No drain pump

* Units with an "L" included at the end of the model name are not equipped with a drain pump.

SERIES SELECTION

Power Inverter Series



Indoor Unit

R32
R410A



PEAD-M35/50/60/71/100/125/140

Outdoor Unit

R410A

For Single



PUHZ-ZRP35/50



PUHZ-ZRP60/71



PUHZ-ZRP100/125/140

R410A

For Multi



PUHZ-ZRP71



PUHZ-ZRP100/125/140/200/250

Remote Controller



Optional



Optional



Optional

Standard Inverter Series



Indoor Unit

R32
R410A



PEAD-M35/50/60/71/100/125/140

Outdoor Unit

R410A

For Single



SUZ-KA35



SUZ-KA50/60/71



PUHZ-P100/125/140

R410A

For Multi



PUHZ-P100/125/140



PUHZ-P200/250

Remote Controller



Optional



Optional



Optional

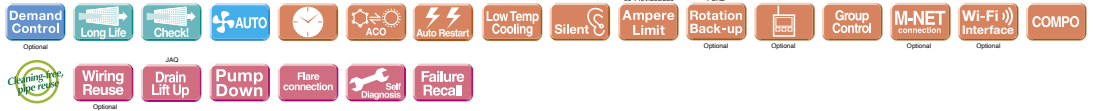
PEAD-M JA(L) Indoor Unit Combinations

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	125x1	140x1	—	—	35x2	50x2	60x2	71x2	100x2	125x2	50x3	60x3	71x3	50x4	60x4
	Distribution Pipe	—	—	—	—	—	—	—	—	—	MSDD-50TR-E			MSDD-50WR-E		MSDT-111R-E			MSDF-1111R-E		
Standard Inverter (PUHZ-P&SUZ)		35x1	50x1	60x1	71x1	100x1	125x1	140x1	—	—	—	50x2	60x2	71x2	100x2	125x2	50x3	60x3	71x3	50x4	60x4
	Distribution Pipe	—	—	—	—	—	—	—	—	—	MSDD-50TR-E			MSDD-50WR-E		MSDT-111R-E			MSDF-1111R-E		

PEDZ-RP JA SERIES

POWER INVERTER



Type			Inverter Heat Pump									
Indoor Unit			PEAD-M35JA(L)	PEAD-M50JA(L)	PEAD-M60JA(L)	PEAD-M71JA(L)	PEAD-M100JA(L)		PEAD-M125JA(L)		PEAD-M140JA(L)	
Outdoor Unit			PUHZ-ZRP35VKA2	PUHZ-ZRP50VKA2	PUHZ-ZRP60VHA2	PUHZ-ZRP71VHA2	PUHZ-ZRP100VKA3	PUHZ-ZRP100YKA3	PUHZ-ZRP125VKA3	PUHZ-ZRP125YKA3	PUHZ-ZRP140VKA3	PUHZ-ZRP140YKA3
Refrigerant			R410A*1									
Power Supply			Outdoor power supply									
Cooling			VKA • VHA-230 / Single / 50, YKA-400 / Three / 50									
Capacity	Rated	kW	3.6	5.0	6.1	7.1	9.5	9.5	12.5	12.5	13.4	13.4
	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	5.5 - 14.0	5.5 - 14.0	6.2 - 15.3	6.2 - 15.3
	Total Input	kW	0.89(0.87)	1.44(1.42)	1.65(1.63)	2.01(1.99)	2.43(2.41)	2.43(2.41)	3.86(3.83)	3.86(3.83)	4.32(4.29)	4.32(4.29)
	EER*5		—	—	—	—	—	—	3.24(3.26)	3.24(3.26)	3.10(3.12)	3.10(3.12)
	EEL Rank		—	—	—	—	—	—	—	—	—	—
	Design Load	kW	3.6	5.0	6.1	7.1	9.5	9.5	—	—	—	—
	Annual Electricity Consumption*2	kWh/a	221(205)	304(288)	355(340)	428(411)	554(543)	565(554)	—	—	—	—
	SEER*5		5.7(6.1)	5.7(6.0)	6.0(6.1)	5.8(6.0)	6.0(6.1)	5.8(6.0)	—	—	—	—
	Energy Efficiency Class		A+ (A++)	A+ (A+)	A+ (A++)	A+ (A+)	A+ (A++)	A+ (A+)	—	—	—	—
	Capacity	kW	4.1	6.0	7.0	8.0	11.2	11.2	14.0	14.0	16.0	16.0
Heating (Average Season)	Rated	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	5.0 - 16.0	5.0 - 16.0	5.7 - 18.0	5.7 - 18.0
	Min - Max	kW	0.95	1.50	1.79	2.03	2.60	2.60	3.51	3.51	4.07	4.07
	Total Input	kW	0.95	1.50	1.79	2.03	2.60	2.60	3.51	3.51	4.07	4.07
	COP*5		—	—	—	—	—	—	3.99	3.99	3.93	3.93
	EEL Rank		—	—	—	—	—	—	—	—	—	—
	Design Load	kW	2.4	3.8	4.4	4.9	7.8	7.8	—	—	—	—
	Declared Capacity	kW	2.4 (-10°C)	3.8 (-10°C)	4.4 (-10°C)	4.9 (-10°C)	7.8 (-10°C)	7.8 (-10°C)	—	—	—	—
	at reference design temperature	kW	2.4 (-10°C)	3.8 (-10°C)	4.4 (-10°C)	4.9 (-10°C)	7.8 (-10°C)	7.8 (-10°C)	—	—	—	—
	at bivalent temperature	kW	2.2 (-11°C)	3.7 (-11°C)	2.8 (-20°C)	3.7 (-20°C)	5.8 (-20°C)	5.8 (-20°C)	—	—	—	—
	at operation limit temperature	kW	0	0	0	0	0	0	—	—	—	—
	Back Up Heating Capacity	kW	0	0	0	0	0	0	—	—	—	—
Operating Current (max)	Annual Electricity Consumption*2	kWh/a	839	1231	1513	1762	2627	2627	—	—	—	—
	SCOP*5		4.0	4.3	4.1	3.9	4.2	4.2	—	—	—	—
	Energy Efficiency Class		A+	A+	A+	A	A+	A+	—	—	—	—
	Input (Cooling / Heating) Rated	kW	0.09(0.07) / 0.07	0.11(0.09) / 0.09	0.12(0.10) / 0.10	0.17(0.15) / 0.15	0.25(0.23) / 0.23	0.25(0.23) / 0.23	0.36(0.34) / 0.34	0.36(0.34) / 0.34	0.39(0.37) / 0.37	0.39(0.37) / 0.37
	Operating Current (max)	A	1.07	1.39	1.62	1.97	2.65	2.65	2.76	2.76	2.78	2.78
	Dimensions <Panel>	H x W x D	mm	250-900-732	250-1100-732	250-1100-732	250-1100-732	250-1100-732	250-1400-732	250-1400-732	250-1600-732	250-1600-732
	Weight <Panel>	kg	26(25)	27(26)	30(29)	30(29)	39(38)	39(38)	40(39)	40(39)	44(43)	44(43)
	Air Volume (Lo-Mid-Hi)	m³/min	10.0-12.0-14.0	12.0-14.5-17.0	14.5-18.0-21.0	17.5-21.0-25.0	24.0-29.0-34.0	24.0-29.0-34.0	29.5-35.5-42.0	29.5-35.5-42.0	32.0-39.0-46.0	32.0-39.0-46.0
	External Static Pressure	Pa	—	—	—	—	35 / 50 / 70 / 100 / 150	35 / 50 / 70 / 100 / 150	—	—	—	—
	Sound Level (SPL) (Lo-Mid-Hi)	dB(A)	23 - 27 - 30	26 - 31 - 35	25 - 29 - 33	26 - 30 - 34	29 - 34 - 38	29 - 34 - 38	33 - 36 - 40	33 - 36 - 40	34 - 38 - 43	34 - 38 - 43
Outdoor Unit	Sound Level (PWL)	dB(A)	54	59	55	58	62	62	66	66	67	67
	Dimensions	H x W x D	mm	630 - 809 - 300	943 - 950 - 330 (+30)	943 - 950 - 330 (+30)	943 - 950 - 330 (+30)	943 - 950 - 330 (+30)	1338 - 1050 - 330 (+40)	1338 - 1050 - 330 (+40)	1338 - 1050 - 330 (+40)	1338 - 1050 - 330 (+40)
	Weight	kg	43	46	70	70	116	123	116	125	118	131
	Air Volume	Cooling	m³/min	45	45	55	55	110	110	120	120	120
	Heating	m³/min	45	45	55	55	110	110	120	120	120	120
	Sound Level (SPL)	Cooling	dB(A)	44	44	47	47	49	49	50	50	50
	Heating	dB(A)	46	46	48	48	51	51	52	52	52	52
	Sound Level (PWL)	Cooling	dB(A)	65	65	67	67	69	69	70	70	70
	Heating	dB(A)	65	65	67	67	69	69	70	70	70	70
	Operating Current (max)	A	13.0	13.0	19.0	19.0	26.5	8.0	26.5	9.5	28.0	13.0
Ext. Piping	Breaker Size	A	16	16	25	25	32	16	32	16	40	16
	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	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88
	Max. Length	Out-In	m	50	50	50	50	75	75	75	75	75
	Max. Height	Out-In	m	30	30	30	30	30	30	30	30	30
	Guaranteed Operating Range	Cooling*3	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-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	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21
	Guaranteed Operating Range	Out-In	°C	-11 ~ +21	-11 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21
	Heating	°C	-11 ~ +21	-11 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21
	Guaranteed Operating Range	Out-In	°C	-11 ~ +21	-11 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21
	Heating	°C	-11 ~ +21	-11 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21

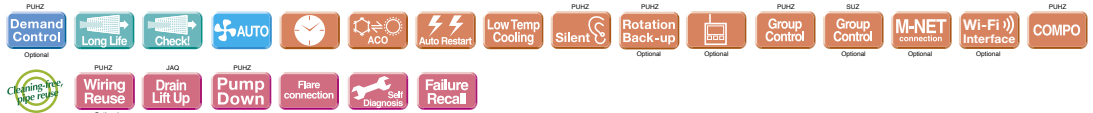
*1 Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if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

PEDZ-P JA SERIES

STANDARD INVERTER



Type			Inverter Heat Pump									
Indoor Unit			PEAD-M35JA(L)	PEAD-M50JA(L)	PEAD-M60JA(L)	PEAD-M71JA(L)	PEAD-M100JA(L)		PEAD-M125JA(L)		PEAD-M140JA(L)	
Outdoor Unit			SUZ-KA35VA6	SUZ-KA50VA6	SUZ-KA60VA6	SUZ-KA71VA6	PUHZ-P100VKA	PUHZ-P100YKA	PUHZ-P125VKA	PUHZ-P125YKA	PUHZ-P140VKA	PUHZ-P140YKA
Refrigerant			R410A*1									
Power Supply			Outdoor power supply									
Cooling			VA • VKA-230 / Single / 50, YKA-400 / Three / 50									
Capacity	Rated	kW	3.6	4.9	5.7	7.1	9.4	9.4	12.1	12.1	13.6	13.6
	Min - Max	kW	1.4 - 3.9	2.3 - 5.6	2.3 - 6.3	2.8 - 8.1	3.7 - 10.6	3.7 - 10.6	5.6 - 13.0	5.6 - 13.0	5.8 - 14.1	5.8 - 14.1
	Total Input	kW	1.050(1.030)	1.480(1.460)	1.670(1.650)	2.080(2.060)	2.98(2.96)	2.98(2.96)	4.15(4.14)	4.15(4.14)	5.21(5.19)	5.21(5.19)
	EER*4		—	—	—	—	3.17	3.17	2.91(2.92)	2.91(2.92)	2.61(2.62)	2.61(2.62)
	EEL Rank		—	—	—	—	—	—	—	—	—	—
	Design Load	kW	3.6	4.9	5.7	7.1	9.4	9.4	—	—	—	—
	Annual Electricity Consumption*2	kWh/a	222(210)	302(290)	337(325)	408(396)	644(627)	644(627)	—	—	—	—
	SEER*4		5.6(6.0)	5.6(5.9)	5.6(6.1)	6.1(6.2)	5.1(5.2)	5.1(5.2)	—	—	—	—
	Energy Efficiency Class		A+ (A+)	A+ (A+)	A+ (A+)	A+ (A++)	A (A)	A (A)	—	—	—	—
Heating (Average Season)	Capacity	kW	4.1	5.9	7.0	8.0	11.2	11.2	13.5	13.5	15.0	15.0
	Rated	kW	1.7 - 5.0	1.7 - 7.2	2.5 - 8.0	2.6 - 10.2	2.8 - 12.5	2.8 - 12.5	4.8 - 15.0	4.8 - 15.0	4.9 - 15.8	4.9 - 15.8
	Min - Max	kW	1.110	1.620	1.930	2.040	2.94	2.94	3.73	3.73	4.27	4.27
	Total Input	kW	1.110	1.620	1.930	2.040	2.94	2.94	3.73	3.73	4.27	4.27
	COP*4		—	—	—	—	3.80	3.80	3.61	3.61	3.51	3.51
	EEL Rank		—	—	—	—	—	—	—	—	—	—
	Design Load	kW	2.8	4.4	4.5	6.0	8.0	8.0	—	—	—	—
	Declared Capacity	kW	2.5 (-10°C)	3.9 (-10°C)	4.1 (-10°C)	5.3 (-10°C)	6.0 (-10°C)	6.0 (-10°C)	—	—	—	—
	at reference design temperature	kW	2.5 (-10°C)	3.9 (-10°C)	4.1 (-10°C)	5.3 (-10°C)	6.0 (-10°C)	6.0 (-10°C)	—	—	—	—
	at bivalent temperature	kW	2.5 (-10°C)	3.9 (-10°C)	4.1 (-10°C)	5.3 (-10°C)	4.5 (-15°C)	4.5 (-15°C)	—	—	—	—
	at operation limit temperature	kW	0.3	0.5	0.5	0.7	2.0	2.0	—	—	—	—
Operating Current (max)	Back Up Heating Capacity	kW	0	0	0	0	0	0	—	—	—	—
	Annual Electricity Consumption*2	kWh/a	980	1466	1569	2153	2793	2793	—	—	—	—
	SCOP*4		4.0	4.2	4.0	3.9	4.0	4.0	—	—	—	—
	Energy Efficiency Class		A+	A+	A+	A+	A+	A+	—	—	—	—
	Input (Cooling / Heating) Rated	kW	0.09(0.07) / 0.07	0.11(0.09) / 0.09	0.12(0.10) / 0.10	0.17(0.15) / 0.15	0.25(0.23) / 0.23	0.25(0.23) / 0.23	0.36(0.34) / 0.34	0.36(0.34) / 0.34	0.39(0.37) / 0.37	0.39(0.37) / 0.37
	Operating Current (max)	A	1.07	1.39	1.62	1.97	2.65	2.65	2.76	2.76	2.78	2.78
	Dimensions <Panel>	H x W x D	mm	250-900-732	250-1100-732	250-1100-732	250-1100-732	250-1100-732	250-1400-732	250-1400-732	250-1600-732	250-1600-732
	Weight <Panel>	kg	26(25)	27(26)	30(29)	30(29)	39(38)	39(38)	40(39)	40(39)	44(43)	44(43)