PEAD SERIES

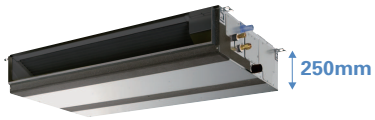
R32
R410A

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 possilbe.



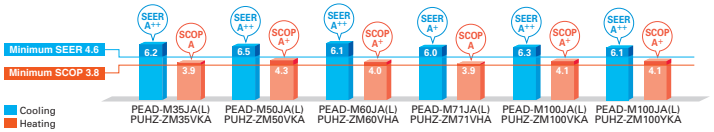
PEAD-M JA(L)

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

Eco-conscious Power Inverter Series

DC Inverter · PAM

Indoor Unit

R32
R410A

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

Outdoor Unit

R32

For Single

PUZ-ZM35/50

PUZ-ZM60/71

PUZ-ZM100/125/140

R32

For Multi

PUZ-ZM71

PUZ-ZM100/125/140

Remote Controller

Optional

Optional

Optional

PEAD-M JA 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	125x1	140x1	–	–	35x2	50x2	60x2	71x2	–	–	50x3	–	–	–	–
	Distribution Pipe	–	–	–	–	–	–	–	–	–	MSDD-50TR2-E				–		MSDT-111R2-E			–	

PEDZ-M JA SERIES

Eco-conscious Power Inverter

Demand Control (Optional) · Long Life · Check! · AUTO · ACO · Auto Restart · Low Temp Cooling · Silent · Ampere Limit (80~140/200/250) · Rotation Back-up (PUHZ) (Optional) · Timer (Optional) · Group Control · M-NET connection (Optional) · Wi-Fi interface (Optional) · COMPO

Cleaning Mist (Optional) · Wiring Reuse (Optional) · Drain Lift Up (JAG) · Pump Down · Flare connection · Self Diagnosis · Failure Recall

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				PUZ-ZM35VKA	PUZ-ZM50VKA	PUZ-ZM60VHA	PUZ-ZM71VHA	PUZ-ZM100VKA	PUZ-ZM100YKA	PUZ-ZM125VKA	PUZ-ZM125YKA	PUZ-ZM140VKA	PUZ-ZM140YKA
Refrigerant				R32*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	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	Rated	kW	0.837(0.820)	1.201(1.187)	1.509(1.495)	1.858(1.844)	2.272(2.256)	2.272(2.256)	3.333(3.315)	3.333(3.315)	3.631(3.611)	3.631(3.611)
	EER*2			4.30(4.39)	4.16(4.21)	4.04(4.08)	3.82(3.85)	4.18(4.21)	4.18(4.21)	3.75(3.77)	3.75(3.77)	3.69(3.71)	3.69(3.71)
		EEL Rank		–	–	–	–	–	–	–	–	–	–
	Design Load		kW	3.6	5.0	6.1	7.1	9.5		–	–	–	–
	Annual Electricity Consumption*2		kWh/a	217(201)	282(268)	350(337)	428(414)	534(521)	543(532)	–	–	–	–
	SEER*2			5.8(6.2)	6.2(6.5)	6.1(6.3)	5.8(6.0)	6.2(6.3)	6.1(6.2)	–	–	–	–
		Energy Efficiency Class		A+(A++)	A++(A++)	A++(A++)	A+(A+)	A++(A++)	A++(A++)	–	–	–	–
Heating (Average Season)	Capacity	Rated	kW	4.1	6.0	7.0	8.0	11.2	11.2	14.0	14.0	16.0	16.0
		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	5.0 - 16.0	5.0 - 16.0	5.7 - 18.0	5.7 - 18.0
	Total Input	Rated	kW	0.917	1.312	1.616	1.932	2.598	2.598	3.349	3.349	3.970	3.970
	COP*2			4.47	4.57	4.33	4.14	4.31	4.31	4.18	4.18	4.03	4.03
		EEL Rank		–	–	–	–	–	–	–	–	–	–
	Design Load		kW	2.4	3.8	4.4	4.9	7.8	7.8	–	–	–	–
	Declared Capacity	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	2.4(–10°C)	3.8(–10°C)	4.4(–10°C)	4.9(–10°C)	7.8(–10°C)	7.8(–10°C)	–	–	–	–
		at operation limit 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)	–	–	–	–
	Back Up Heating Capacity		kW	0	0	0	0	0	0	–	–	–	–
	Annual Electricity Consumption*2		kWh/a	858	1237	1540	1751	2666	2666	–	–	–	–
	SCOP*2			3.9	4.3	4.0	3.9	4.1	4.1	–	–	–	–
		Energy Efficiency Class		A	A+	A+	A	A+	A+	–	–	–	–
Operating Current (max)			A	14.1	14.4	20.6	21.0	29.2	10.7	29.3	12.3	30.8	15.8
Indoor Unit	Input [Cooling / Heating]	Rated	kW	0.09/0.07	0.11/0.09	0.12/0.10	0.17/0.15	0.25/0.23	0.25/0.23	0.36/0.34	0.36/0.34	0.39/0.37	0.39/0.37
	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 × W × D	mm	250-900-732		250-1100-732		250-1400-732				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									
	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
	Sound Level (PWL)		dB(A)	54	59	55	58	62	62	66	66	67	67
Outdoor Unit	Dimensions	H × W × D	mm	630 - 809 - 300		943 - 950 - 330(+25)				1338 - 1050 - 330(+40)			
	Weight		kg	46	46	70	70	116	123	116	125	118	131
	Air Volume	Cooling	m³/min	45	45	55	55	110	110	120	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	50
		Heating	dB(A)	46	46	49	49	51	51	52	52	52	52
	Sound Level (PWL)	Cooling	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
	Breaker Size		A	16	16	25	25	32	16	32	16	40	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	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	100	100	100	100
	Max. Height	Out-In	m	30	30	30	30	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	–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

*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 CO_2, 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.

SERIES SELECTION

Power Inverter Series

DC Inverter · 35/71 Hyper Heating Joint Lap · Vector Dive Wave · 100-200 DC Scroll · DC Fan Motor · 35/140 Vector Wave · PAM · Power Receiver · Grooved Piping · 35-71 Heat Exchanger Fining Method

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

DC Inverter · 35/71 Hyper Heating Joint Lap · 100-200 Vector Dive Wave · 71-140 DC Rotary · 200/250 DC Scroll · DC Fan Motor · 100-200 Vector Wave · 35/140 PAM · Grooved Piping · 35-71 Heat Exchanger Fining Method

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

Demand Control (Optional) · Long Life · Check! · AUTO · ACO · Auto Restart · Low Temp Cooling · Silent · Ampere Limit (60~140/100/200) · Rotation Back-up (PUHZ, Optional) · Timer (Optional) · Group Control · M-NET connection (Optional) · Wi-Fi interface (Optional) · COMPO

Cleaner for PCB (Optional) · Wiring Reuse (PUHZ, Optional) · Drain Lift Up (JAG) · Pump Down (PUHZ) · Flare connection · Self Diagnosis · Failure Recall

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	Source			Outdoor power supply									
	Outdoor (V/Phase/Hz)			VKA - VHA:230 / Single / 50, YKA:400 / Three / 50									
Cooling	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	Rated	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*3			–	–	–	–	–	–	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)	356(340)	428(411)	554(543)	565(554)	–	–	–	–
	SEER*3			5.7(6.1)	5.7(6.0)	6.0(6.2)	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+)	–	–	–	–
Heating (Average Season)	Capacity	Rated	kW	4.1	6.0	7.0	8.0	11.2	11.2	14.0	14.0	16.0	16.0
		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	5.0 - 16.0	5.0 - 16.0	5.7 - 18.0	5.7 - 18.0
	Total Input	Rated	kW	0.95	1.50	1.79	2.03	2.60	2.60	3.51	3.51	4.07	4.07
	COP*3			–	–	–	–	–	–	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	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	2.4(–10°C)	3.8(–10°C)	4.4(–10°C)	4.9(–10°C)	7.8(–10°C)	7.8(–10°C)	–	–	–	–
		at operation limit 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)	–	–	–	–
	Back Up Heating Capacity		kW	0	0	0	0	0	0	–	–	–	–
	Annual Electricity Consumption*2		kWh/a	839	1231	1513	1762	2627	2627	–	–	–	–
	SCOP*3			4.0	4.3	4.1	3.9	4.2	4.2	–	–	–	–
	Energy Efficiency Class			A+	A+	A+	A	A+	A+	–	–	–	–
Operating Current (max)			A	14.1	14.4	20.6	21.0	29.2	10.7	29.3	12.3	30.8	15.8
Indoor Unit	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 × W × D	mm	250-900-732		250-1100-732		250-1400-732				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									
	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
	Sound Level (PWL)		dB(A)	54	59	55	58	62	62	66	66	67	67
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	116	125	118	131
	Air Volume	Cooling	m³/min	45	45	55	55	110	110	120	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	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	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
	Breaker Size		A	16	16	25	25	32	16	32	16	40	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	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	75
	Max. Height	Out-In	m	30	30	30	30	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	–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

*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 CO_2, 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

Demand Control (PUHZ, Optional) · Long Life · Check! · AUTO · ACO · Auto Restart · Low Temp Cooling · Silent · Rotation Back-up (PUHZ, Optional) · Timer (PUHZ) · Group Control · Group Control (BLU, Optional) · M-NET connection (Optional) · Wi-Fi interface (Optional) · COMPO (PUHZ)

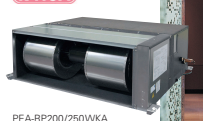
Cleaner for PCB (Optional) · Wiring Reuse (PUHZ, Optional) · Drain Lift Up (JAG) · Pump Down (PUHZ) · Flare connection · Self Diagnosis · Failure Recall (PUHZ)

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	Source			Outdoor power supply									
	Outdoor (V/Phase/Hz)			VA - VKA:230 / Single / 50, YKA:400 / Three / 50									
Cooling	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	Rated	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*3			–	–	–	–	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*3			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	Rated	kW	4.1	5.9	7.0	8.0	11.2	11.2	13.5	13.5	15.0	15.0
		Min - Max	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
	Total Input	Rated	kW	1.110	1.620	1.930	2.040	2.94	2.94	3.73	3.73	4.27	4.27
	COP*3			–	–	–	–	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	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 (–7°C)	3.9 (–7°C)	4.1 (–7°C)	5.3 (–7°C)	7.0 (–7°C)	7.0 (–7°C)	–	–	–	–
		at operation limit 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)	–	–	–	–
	Back Up Heating Capacity		kW	0.3	0.5	0.5	0.7	2.0	2.0	–	–	–	–
	Annual Electricity Consumption*2		kWh/a	980	1466	1569	2153	2793	2793	–	–	–	–
	SCOP*3			4.0	4.2	4.0	3.9	4.0	4.0	–	–	–	–
	Energy Efficiency Class			A*	A*	A*	A*	A*	A*	–	–	–	–
Operating Current (max)			A	9.3	13.4	15.6	18.1	22.7	14.2	29.3	14.3	32.8	14.3
Indoor Unit	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 × W × D	mm	250-900-732		250-1100-732		250-1400-732				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									
	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
	Sound Level (PWL)		dB(A)	54	59	55	58	62	62	66	66	67	67
Outdoor Unit	Dimensions	H × W × D	mm	550-800-285		880-840-330				981-1050-330			
	Weight		kg	35	54	50	53	76	78	84	85	84	85
	Air Volume	Cooling	m³/min	36.3	44.6	40.9	50.1	79	79	86	86	86	86
		Heating	m³/min	34.8	44.6	49.2	48.2	79	79	92	92	92	92
	Sound Level (SPL)	Cooling	dB(A)	49	52	55	55	51	51	54	54	56	56
		Heating	dB(A)	50	52	55	55	54	54	56	56	57	57
	Sound Level (PWL)	Cooling	dB(A)	62	65	65	69	70	70	72	72	75	75
	Operating Current (max)		A	8.2	12.0	14.0	16.1	20.0	11.5	26.5	11.5	30.0	11.5
	Breaker Size		A	10	20	20	20	32	16	32	16	40	16
Ext. Piping	Diameter	Liquid / Gas	mm	6.35 / 9.52	6.35 / 12.7	6.35 / 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	9.52 / 15.88
	Max. Length	Out-In	m	20	30	30	30	50	50	50	50	50	50
	Max. Height	Out-In	m	12	30	30	30	30	30	30	30	30	30
Guaranteed Operating Range [Outdoor]		Cooling*3	°C	–10 ~ +46	–15 ~ +46	–15 ~ +46	–15 ~ +46	–15 ~ +46	–15 ~ +46	–15 ~ +46	–15 ~ +46	–15 ~ +46	–15 ~ +46
		Heating	°C	–10 ~ +24	–10 ~ +24	–10 ~ +24	–10 ~ +24	–15 ~ +21	–15 ~ +21	–15 ~ +21	–15 ~ +21	–15 ~ +21	–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 CO_2, 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.

PEA SERIES

R410A

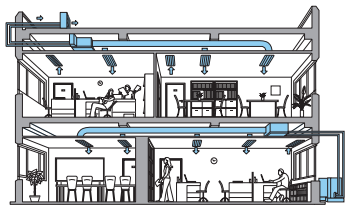


PEA-RP200/250WKA

For elegance and style, the PEA Series compliments the room environment with an aesthetically pleasing ceiling installation and a vast line-up of performance functions. Long pipe work installation is supported, increasing freedom in the placement of indoor units.

Flexible Duct Design Enables Use of High-pressure Static Fan

A flexible duct design and 150Pa external static high-pressure are incorporated. The increased variation in airflow options ensures operation that best matches virtually all room layouts.



Long Refrigerant Piping Length

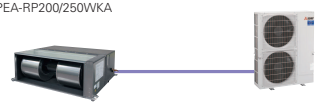
With the addition of more refrigerant, the maximum length for refrigerant piping has been increased to 100 metres. As a result, it is much easier to create the optimum layout for unit installation.

		Power Inverter Connection		Standard Inverter Connection	
		Max. Length	Max. Height	Max. Length	Max. Height
PEA-RP	200	100m	30m	70m	30m
	250	100m	30m	70m	30m

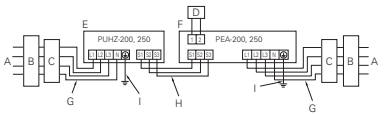
Wide-ranging Line-up from 20–25kW – Extensive Array of Choices to Match Building Size

[System Image]

PEA-RP200/250WKA



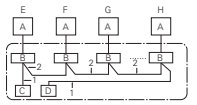
• For PEA-200, 250



PAR-33MAA Group Control

The PAR-33MAA remote controller can control up to 16 systems* as a group, and is ideal for supporting the integrated management of building air conditioners.

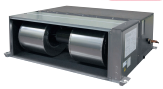
• For PEA-200, 250



A Outdoor unit
B Indoor unit
C Main remote controller
D Subordinate remote controller
E Standard (Refrigerant address = 00)
F Refrigerant address = 01
G Refrigerant address = 02
H Refrigerant address = 15

LINE-UP

Indoor Unit R410A



PEA-RP200/250WKA

Outdoor Unit

Power Inverter Series R410A

PUHZ-ZRP200/250

Standard Inverter Series R410A

PUHZ-P200/250

Remote Controller

Optional

Optional