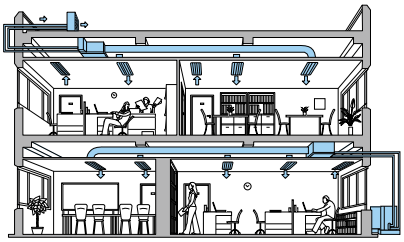
PEA SERIES

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.

PEA-RP200/250/400/500GAQ

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

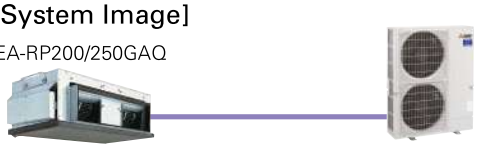
With the addition of more refrigerant, the maximum length for refrigerant piping has been increased to 100 metres. As a result, it is much easier to create the optimum layout for unit installation.

		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
	400	100m	30m	70m	30m
	500	100m	30m	70m	30m

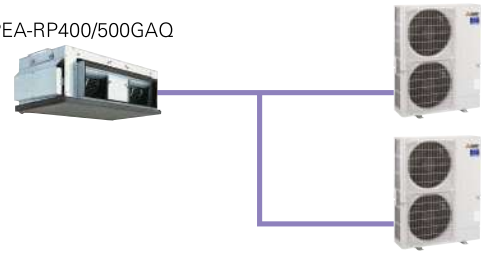
Wide-ranging Line-up from 20–50kW – Extensive Array of Choices to Match Building Size

[System Image]

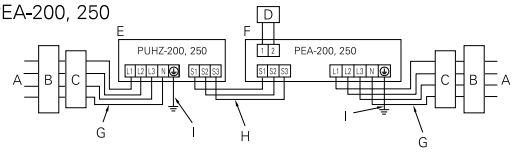
PEA-RP200/250GAQ



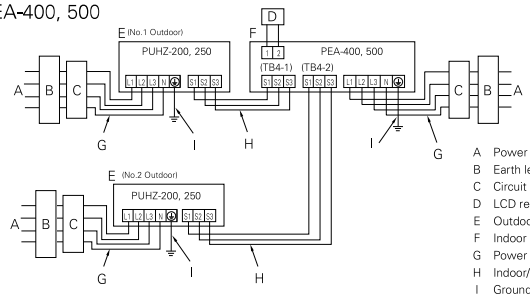
PEA-RP400/500GAQ



• For PEA-200, 250



• For PEA-400, 500



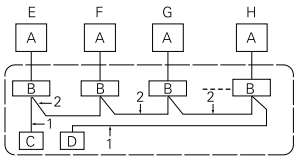
A Power supply
B Earth leakage breaker
C Circuit breaker or local switch
D LCD remote controller
E Outdoor unit
F Indoor unit
G Power cable wiring
H Indoor/Outdoor connection wiring
I Grounding

PAR-31MAA Group Control

The PAR-31MAA remote controller can control up to 16 systems* as a group, and is ideal for supporting the integrated management of building air conditioners.

*Count each set of PEA-RP400 and PEA-RP500 as two systems as two outdoor units are connected.

• 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

PEA-RP200/250/400/500GAQ

Outdoor Unit

✻Two units are used when connecting PEA-RP400/500GAQ.

Power Inverter Series

PUHZ-ZRP200/250

Standard Inverter Series

PUHZ-P200/250

Remote Controller

Optional

Optional

PEZ-RP SERIES
POWER INVERTER

Type				Inverter Heat Pump			
Indoor Unit				PEA-RP200GAQ	PEA-RP250GAQ	PEA-RP400GAQ	PEA-RP500GAQ
Outdoor Unit				PUHZ-ZRP200YKA	PUHZ-ZRP250YKA	PUHZ-ZRP200YKA x 2	PUHZ-ZRP250YKA x 2
Refrigerant				R410A*1			
Power Supply	Source			Outdoor power supply			
	Outdoor (V/Phase/Hz)			400 / Three / 50			
Cooling	Capacity	Rated	kW	19.0	22.0	38.0	44.0
		Min - Max	kW	9.0 - 22.4	11.2 - 27.0	18.0 - 44.8	22.4 - 54.0
	Total Input	Rated	kW	6.46	8.31	12.47	17.10
	EER			2.94	2.65	3.05	2.57
		EEL Rank		–	–	–	–
Heating (Average Season)	Capacity	Rated	kW	22.4	27.0	44.8	54.0
		Min - Max	kW	9.5 - 25.0	12.5 - 31.0	18.0 - 50.0	25.0- 62.0
	Total Input	Rated	kW	6.94	8.94	13.43	18.36
	COP			3.23	3.02	3.34	2.94
		EEL Rank		–	–	–	–
Operating Current (max)				21.0	23.3	41.8	47.4
Indoor Unit	Input [Cooling / Heating]	Rated	kW	1.000	1.180	1.550	2.840
	Operating Current (max)		A	2.0	2.3	3.8	5.4
	Dimensions	H x W x D	mm	400 - 1400 - 634	400 - 1600 - 634	595 - 1947 - 764	
	Weight		kg	70	77	130	133
	Air Volume [Lo-Mid-Hi]		m^3/min	52.0 - 65.0	64.0 - 80.0	120.0	160.0
	External Static Pressure		Pa	150	150	150	150
	Sound Level (SPL) [Lo-Mid-Hi]		dB(A)	48 - 51	49 - 52	52*2	53*2
	Sound Level (PWL)		dB(A)	15	15	15	15
Outdoor Unit	Dimensions	H x W x D	mm	1338 - 1050 - 330(+40)		1338 - 1050 - 330(+40)	
	Weight		kg	135	135	135	135
	Air Volume	Cooling	m^3/min	140	140	140	140
		Heating	m^3/min	140	140	140	140
	Sound Level (SPL)	Cooling	dB(A)	59	59	59	59
		Heating	dB(A)	62	62	62	62
	Sound Level (PWL)	Cooling	dB(A)	77	77	77	77
	Operating Current (max)		A	19.0	21.0	19.0	21.0
	Breaker Size		A	32	32	32	32
Ext. Piping	Diameter	Liquid / Gas	mm	9.52 / 25.4	12.7 / 25.4	9.52 / 25.4	12.7 / 25.4
	Max. Length	Out-In	m	100	100	100	100
	Max. Height	Out-In	m	30	30	30	30
Guaranteed Operating Range [Outdoo		Cooling*3	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
		Heating	°C	-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.
*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/SCOP values are measured based on EN14825. These values are reference purpose only.

PEZ-P SERIES
STANDARD INVERTER

Type				Inverter Heat Pump			
Indoor Unit				PEA-RP200GAQ	PEA-RP250GAQ	PEA-RP400GAQ	PEA-RP500GAQ
Outdoor Unit				PUHZ-P200YKA	PUHZ-P250YKA	PUHZ-P200YKA x 2	PUHZ-P250YKA x 2
Refrigerant				R410A*1			
Power Supply	Source			Outdoor power supply			
	Outdoor (V/Phase/Hz)			400 / Three / 50			
Cooling	Capacity	Rated	kW	19.0	22.0	38.0	44.0
		Min - Max	kW	9.0 - 22.4	11.2 - 27.0	18.0 - 44.8	22.4 - 54.0
	Total Input	Rated	kW	6.64	8.71	12.83	17.90
	EER			2.86	2.53	2.96	2.46
		EEL Rank		–	–	–	–
Heating (Average Season)	Capacity	Rated	kW	22.4	27.0	44.8	54.0
		Min - Max	kW	9.5 - 25.0	12.5 - 31.0	18.0 - 50.0	25.0- 62.0
	Total Input	Rated	kW	7.10	9.31	13.75	19.10
	COP			3.15	2.90	3.26	2.83
		EEL Rank		–	–	–	–
Operating Current (max)				21.0	23.3	41.8	47.4
Indoor Unit	Input [Cooling / Heating]	Rated	kW	1.000	1.180	1.550	2.840
	Operating Current (max)		A	2.0	2.3	3.8	5.4
	Dimensions	H x W x D	mm	400 - 1400 - 634	400 - 1600 - 634	595 - 1947 - 764	
	Weight		kg	70	77	130	133
	Air Volume [Lo-Mid-Hi]		m^3/min	52.0 - 65.0	64.0 - 80.0	120.0	160.0
	External Static Pressure		Pa	150	150	150	150
	Sound Level (SPL) [Lo-Mid-Hi]		dB(A)	48 - 51	49 - 52	52*2	53*2
	Sound Level (PWL)		dB(A)	15	15	15	15
Outdoor Unit	Dimensions	H x W x D	mm	1338 - 1050 - 330(+40)		1338 - 1050 - 330(+40)	
	Weight		kg	127	135	127	135
	Air Volume	Cooling	m^3/min	140	140	140	140
		Heating	m^3/min	140	140	140	140
	Sound Level (SPL)	Cooling	dB(A)	58	59	58	59
		Heating	dB(A)	60	62	60	62
	Sound Level (PWL)	Cooling	dB(A)	78	77	78	77
	Operating Current (max)		A	19.0	21.0	19.0	21.0
	Breaker Size		A	32	32	32	32
Ext. Piping	Diameter	Liquid / Gas	mm	9.52 / 25.4	12.7 / 25.4	9.52 / 25.4	12.7 / 25.4
	Max. Length	Out-In	m	70	70	70	70
	Max. Height	Out-In	m	30	30	30	30
Guaranteed Operating Range [Outdoor]		Cooling*3	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
		Heating	°C	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21

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