

PEA SERIES



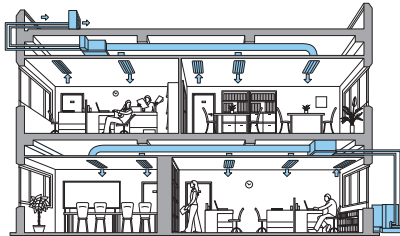
PEA-RP200/250/400/500GAQ



For elegance and style, the PEA Series complements 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
	400	100m	30m	70m	30m
	500	100m	30m	70m	30m

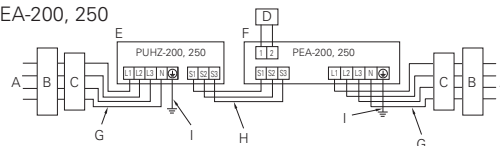
Wide-ranging Line-up from 20–50kW – Extensive Array of Choices to Match Building Size

[System Image]

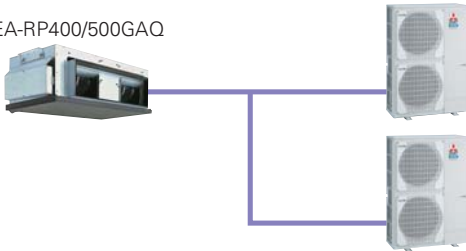
PEA-RP200/250GAQ



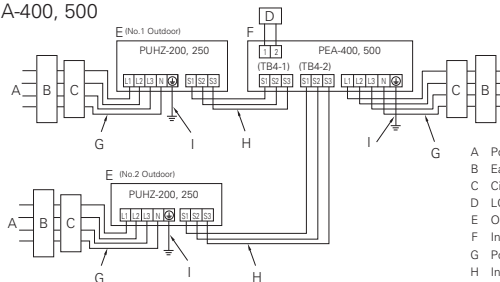
• For PEA-200, 250



PEA-RP400/500GAQ



• For PEA-400, 500



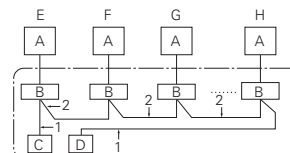
- A Power supply
- B Earth leakage breaker
- C Circuit breaker or local switch
- D LCD remote controller
- E Outdoor unit
- F Indoor unit
- G Power cable wiring
- H Indoor/Outdoor connection wiring
- I Grounding

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-RP200/250

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-RP200YKA	PUHZ-RP250YKA	PUHZ-RP200YKA x 2	PUHZ-RP250YKA x 2		
Power Supply	Source		Indoor / outdoor separate power supply					
	Outdoor (V/Phase/Hz)		400 / Three / 50					
	Indoor (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 - 28.0	18.0 - 44.8	22.4 - 56.0	
	Total Input	Rated	kW	6.700	8.340	12.950	17.160	
	EER				2.84	2.64	2.93	2.56
EEL Rank				-	-	-	-	
Heating	Capacity	Rated	kW	22.4	27.0	44.8	54.0	
		Min - Max	kW	9.5 - 25.0	12.5 - 31.5	18.0 - 50.0	25.0 - 63.0	
	Total Input	Rated	kW	6.500	8.200	12.550	16.880	
	COP				3.45	3.29	3.57	3.20
EEL Rank				-	-	-	-	
Operating Current (max)				21.0	23.3	41.8	47.4	
Indoor Unit	Input	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-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 [Lo-Hi]		dB(A)	48 - 51	49 - 52	52*2	53*2	
	Breaker Size		A	15	15	15	15	
Outdoor Unit	Dimensions	H x W x D	mm	1338 - 1050 - 330(+30)				
	Weight		kg	135	141	135	141	
	Air Volume	Cooling	Rated	m ³ /min	140.0	140.0	140.0	140.0
		Heating	Rated	m ³ /min	140.0	140.0	140.0	140.0
	Sound Level	Cooling - Silent	Rated	dB(A)	58 - 55	58 - 55	58 - 55	58 - 55
		Heating	Rated	dB(A)	59	59	59	59
	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 Total	m	100	100	100	100	
	Max. Height	Out-In	m	30	30	30	30	
Guaranteed Operating Range [Outdoor]	Cooling*1	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46		
	Heating	°C	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21		

*1 Optional air protection guide is required where ambient temperature is lower than -5°C. *2 Hi

PEZ-P SERIES

STANDARD INVERTER



Type			Inverter Heat Pump					
Indoor Unit			PEA-RP200GAQ	PEA-RP250GAQ	PEA-RP400GAQ	PEA-RP500GAQ		
Outdoor Unit			PUHZ-P200YHA3	PUHZ-P250YHA3	PUHZ-P200YHA3 x 2	PUHZ-P250YHA3 x 2		
Power Supply	Source		Indoor / outdoor separate power supply					
	Outdoor (V/Phase/Hz)		400 / Three / 50					
	Indoor (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 - 28.0	18.0 - 44.8	22.4 - 56.0	
	Total Input	Rated	kW	7.210	8.440	13.970	17.360	
	EER				2.64	2.61	2.72	2.53
EEL Rank				-	-	-	-	
Heating	Capacity	Rated	kW	22.4	27.0	44.8	54.0	
		Min - Max	kW	9.5 - 25.0	12.5 - 31.5	19.0 - 50.0	25.0 - 63.0	
	Total Input	Rated	kW	7.360	8.470	14.270	17.420	
	COP				3.04	3.19	3.14	3.10
EEL Rank				-	-	-	-	
Operating Current (max)				21.0	23.3	41.8	47.4	
Indoor Unit	Input	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	500 - 1947 - 764	595 - 1947 - 764	
	Weight		kg	70	77	130	133	
	Air Volume [Lo-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 [Lo-Hi]		dB(A)	48 - 51	49 - 52	52*2	53*2	
	Breaker Size		A	15	15	15	15	
Outdoor Unit	Dimensions	H x W x D	mm	1350 - 950 - 330(+30)				
	Weight		kg	126	133	126	133	
	Air Volume	Cooling	Rated	m ³ /min	130.0	130.0	130.0	130.0
		Heating	Rated	m ³ /min	130.0	130.0	130.0	130.0
	Sound Level	Cooling - Silent	Rated	dB(A)	59 - 56	59 - 56	59 - 56	59 - 56
		Heating	Rated	dB(A)	59	59	59	59
	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 Total	m	70	70	70	70	
	Max. Height	Out-In	m	30	30	30	30	
Guaranteed Operating Range [Outdoor]	Cooling*1	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46		
	Heating	°C	-11 ~ +21	-11 ~ +21	-11 ~ +21	-11 ~ +21		

*1 Optional air protection guide is required where ambient temperature is lower than -5°C. *2 Hi