

# PEA SERIES



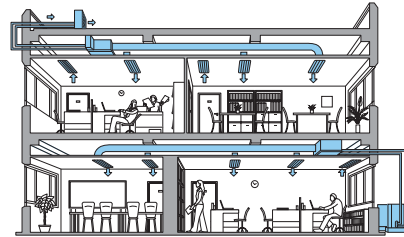
PEA-RP200/250/400/500GA

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

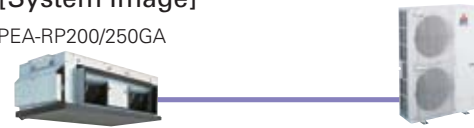
With the addition of more refrigerant, the maximum length for refrigerant piping has been increased to 100 metres. As a result, it is much easier to create the optimum layout for unit installation.

PEA-RP		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

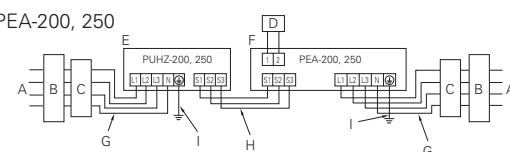
## Wide-ranging Line-up from 20-50kW – Extensive Array of Choices to Match Building Size

### [System Image]

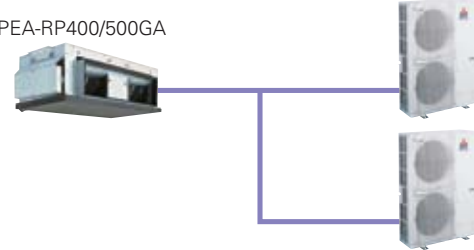
PEA-RP200/250GA



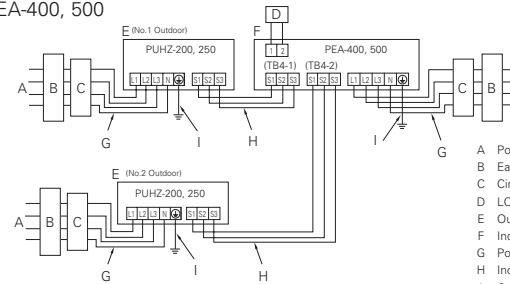
• For PEA-200, 250



PEA-RP400/500GA



• For PEA-400, 500



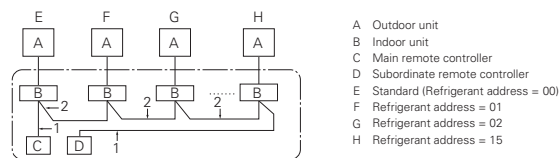
- A Power supply
- B Earth leakage breaker
- C Circuit breaker or local switch
- D LCD remote controller
- E Outdoor unit
- F Indoor unit
- G Power cable wiring
- H Indoor/Outdoor connection wiring
- I Grounding

## PAR-21MA Group Control

The PAR-21MA 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	Outdoor Unit	Remote Controller
<p>PEA-RP200/250/400/500GA</p>	<p>Power Inverter Series</p> <p>PUHZ-RP200/250</p> <p>Standard Inverter Series</p> <p>PUHZ-P200/250</p> <p>* Two units are used when connecting PEA-RP400/500GA.</p>	

## PEZ-RP SERIES POWER INVERTER



Type	Inverter Heat Pump							
Indoor Unit	PEA-RP200GA	PEA-RP250GA	PEA-RP400GA	PEA-RP500GA				
Outdoor Unit	PUHZ-RP200YKA	PUHZ-RP250YKA	PUHZ-RP250YKA x 2	PUHZ-RP250YKA x 2				
<b>Power Supply</b>	Indoor / outdoor separate power supply							
<b>Outdoor (V/Phase/Hz)</b>	400 / Three / 50							
<b>Indoor (V/Phase/Hz)</b>	400 / Three / 50							
<b>Cooling</b>	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		C	D	-	-		
<b>Heating</b>	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		B	C	-	-		
<b>Operating Current(max)</b>				21.0	23.3	41.8	47.4	
<b>Indoor Unit</b>	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	595 - 1947 - 764	
	Weight		kg	77	130	130	133	
	Air Volume [Lo-Hi]		m <sup>3</sup> /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	
Breaker Size		A	15	15	15	15		
<b>Outdoor Unit</b>	Dimensions	H x W x D	mm	1338 - 1050 - 330(+30)	1338 - 1050 - 330(+30)	1338 - 1050 - 330(+30)	1338 - 1050 - 330(+30)	
	Weight		kg	135	141	135	141	
	Air Volume	Cooling	Rated	m <sup>3</sup> /min	140.0	140.0	140.0	140.0
		Heating	Rated	m <sup>3</sup> /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	
<b>Operating Current(max)</b>				19.0	21.0	19.0	21.0	
Breaker Size		A		32	32	32	32	
<b>Ext. Piping</b>	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	
<b>Guaranteed Operating Range [Outdoor]</b>	Cooling*1	°C		-5 ~ +46	-5 ~ +46	-5 ~ +46	-5 ~ +46	
	Heating	°C		-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	

\*1 With the optional Air Protection Guide, Operation at outdoor temperatures as low as -15°C is possible. \*2 Hi

## PEZ-P SERIES STANDARD INVERTER



Type	Inverter Heat Pump							
Indoor Unit	PEA-RP200GA	PEA-RP250GA	PEA-RP400GA	PEA-RP500GA				
Outdoor Unit	PUHZ-P200YHA3	PUHZ-P250YHA3	PUHZ-P200YHA3 x 2	PUHZ-P250YHA3 x 2				
<b>Power Supply</b>	Indoor / outdoor separate power supply							
<b>Outdoor (V/Phase/Hz)</b>	400 / Three / 50							
<b>Indoor (V/Phase/Hz)</b>	400 / Three / 50							
<b>Cooling</b>	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		D	D	-	-		
<b>Heating</b>	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		D	D	-	-		
<b>Operating Current(max)</b>				21.0	23.3	41.8	47.4	
<b>Indoor Unit</b>	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	77	130	130	133	
	Air Volume [Lo-Hi]		m <sup>3</sup> /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	
Breaker Size		A	15	15	15	15		
<b>Outdoor Unit</b>	Dimensions	H x W x D	mm	1350 - 950 - 330(+30)	1350 - 950 - 330(+30)	1338 - 1050 - 330(+30)	1350 - 950 - 330(+30)	
	Weight		kg	126	133	126	133	
	Air Volume	Cooling	Rated	m <sup>3</sup> /min	130.0	130.0	130.0	130.0
		Heating	Rated	m <sup>3</sup> /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	
<b>Operating Current(max)</b>				19.0	21.0	19.0	21.0	
Breaker Size		A		32	32	32	32	
<b>Ext. Piping</b>	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	
<b>Guaranteed Operating Range [Outdoor]</b>	Cooling*1	°C		-5 ~ +46	-5 ~ +46	-5 ~ +46	-5 ~ +46	
	Heating	°C		-11 ~ +21	-11 ~ +21	-11 ~ +21	-11 ~ +21	

\*1 With the optional Air Protection Guide, Operation at outdoor temperatures as low as -15°C is possible. \*2 Hi