

# PEA SERIES



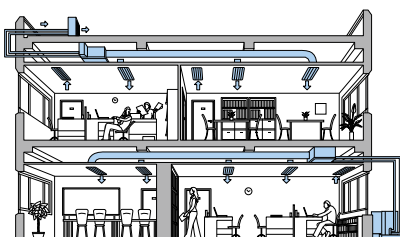
PEA-RP200/250/400/500GAQ



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

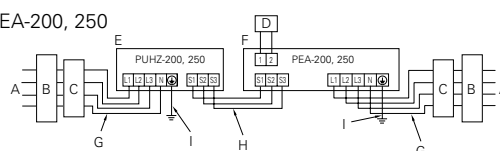
## Wide-ranging Line-up from 20–50kW – Extensive Array of Choices to Match Building Size

### [System Image]

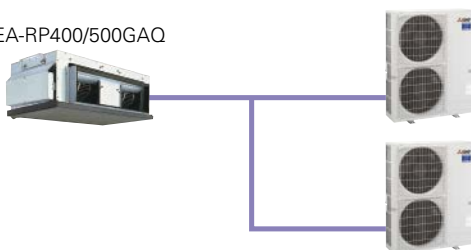
PEA-RP200/250GAQ



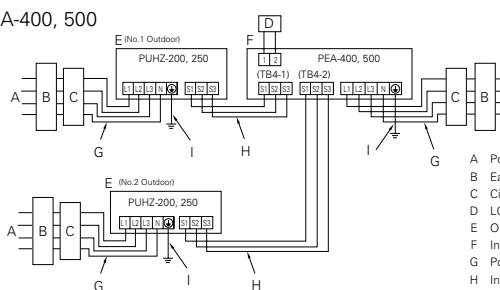
• For PEA-200, 250



PEA-RP400/500GAQ



• For PEA-400, 500



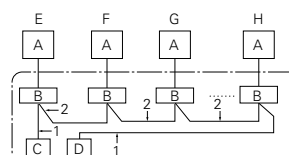
- A Power supply
- B Earth leakage breaker
- C Circuit breaker or local switch
- D LCD remote controller
- E Outdoor unit
- F Indoor unit
- G Power cable wiring
- H Indoor/outdoor connection wiring
- I Grounding

## PAR-32MAA Group Control

The PAR-32MAA 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-ZRP200YKA2		PUHZ-ZRP250YKA2		PUHZ-ZRP200YKA2 x 2		PUHZ-ZRP250YKA2 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-Hi)		m³/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-Hi)		dB(A)	48 - 51		49 - 52		52*2		53*2		
	Sound Level (PWL)		dB(A)	72		76		76		78		
	Dimensions		H x W x D	mm	1338 - 1050 - 330(+40)				1338 - 1050 - 330(+40)			
	Weight		kg	135		135		135		135		
Outdoor Unit	Air Volume	Cooling	m³/min	140		140		140		140		
		Heating	m³/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		
		Heating	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 (Outdoor				Cooling *3	°C	-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<sub>2</sub> 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-P200YKA2	PUHZ-P250YKA2	PUHZ-P200YKA2 x 2	PUHZ-P250YKA2 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-Hi]		m³/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* <sup>2</sup>	53* <sup>2</sup>	
	Sound Level (PWL)		dB(A)	72	76	76	78	
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	m³/min	140	140	140	140	
		Heating	m³/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	
			Heating	°C	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21

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