

PEA SERIES

The PEA series is a large capacity ceiling-concealed type indoor units which are visually discreet blending into various environments. The PEA model realizes improved energy efficiency with a patented fan called Turbo In Sirocco fan. A wider option of external static pressure up to 250Pa allows authentic ducted air-conditioning with an elegant interior layout. In addition, the PEA series has a separated structure that enables delivery into a narrow space.



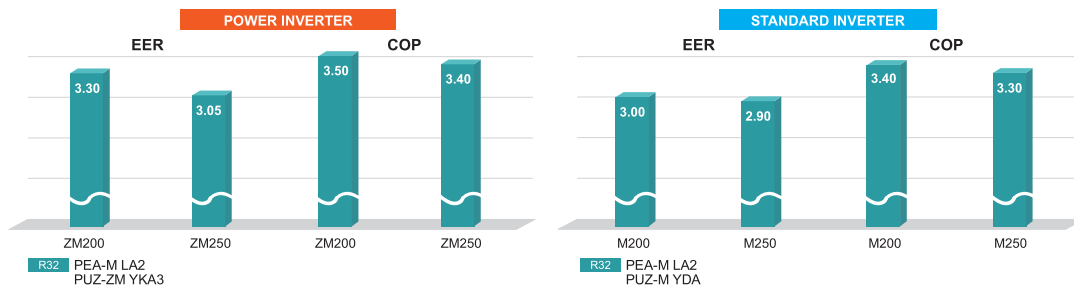
PEA-M200/250LA2



The separated structure increases the efficiency of delivery into a narrow space.

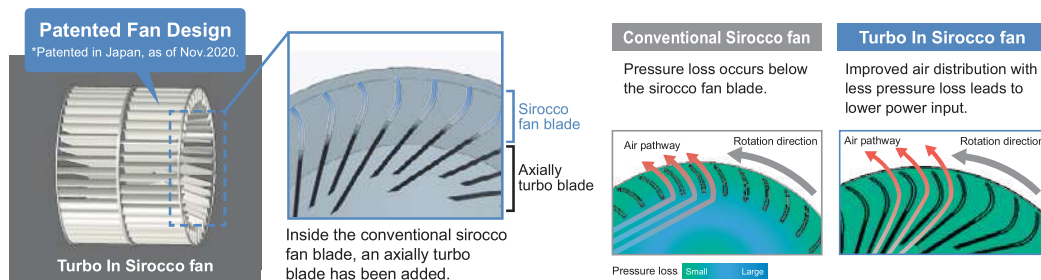
Improved Energy Efficiency

R32 refrigerant with designed fan reduces energy consumption and have resulted in higher energy savings for all capacity ranges.



Low input with Fan Design

The PEA series applies a designed fan; a Turbo In Sirocco fan which realizes high efficiency with a lower power input. The design is Mitsubishi Electric's patented technology with a combination of turbo fan inside the sirocco fan.



Wide Range of External Static Pressure Allows Flexible Duct Design

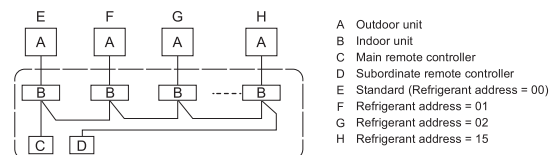
250Pa setting is newly added enabling total of five static pressure level. The ability to select additional static pressure enables long duct and more freedom in design.

PEA-M200/250LA2 75/<100>/<150>/<200>/<250> Pa

The factory setting of external static pressure is shown without brackets (< >). Refer to "Fan characteristics curves" according to the external static pressure, in the DATA BOOK for the usable range of airflow rate.

PAR-41MAA Group Control

The PAR-41MAA remote controller can control up to 16 systems as a group, and is ideal for supporting the integrated management of building air conditioners.



LINE-UP

Indoor Unit

R32



PEA-M200/250LA2

Outdoor Unit

R32

Power Inverter Series



PUZ-ZM200/250

Standard Inverter Series



PUZ-M200/250

Remote Controller



Optional



Optional



Optional

PEA-M SERIES

POWER INVERTER



Type				PEA-M200LA2	PEA-M250LA2
Indoor Unit				PUZ-ZM200YKA3	PUZ-ZM250YKA3
Outdoor Unit				R32	
Refrigerant ^(*)				Separate power supply	
Power Supply				400/Three/50	
Cooling	Source				
	Outdoor (V/Phase/Hz)				
	Capacity	Rated	kW	19.0	22.0
		Min-Max	kW	9.2 - 22.4	9.9 - 27.0
	Total Input	Rated	kW	5.758	7.214
	EER			3.30	3.05
	Design load		kW	19.0	22.0
	Annual electricity consumption		kWh/a	1938	2436
	SEER			5.88	5.42
	Energy efficiency class				
Heating		ηsc	%	232.2%	213.7%
	Capacity				
		Rated	kW	22.4	27.0
		Min-Max	kW	7.1 - 25.0	7.3 - 31.0
	Total Input	Rated	kW	6.400	7.942
	COP			3.50	3.40
	Design load		kW	18.9	20.2
	Declared Capacity	at reference design temperature	kW	18.9 (-10°C)	20.2 (-10°C)
		at bivalent temperature	kW	18.9 (-10°C)	20.2 (-10°C)
		at operation limit temperature	kW	8.0 (-20°C)	10.7 (-20°C)
Outdoor Unit	Back up heating capacity				
			kW	0.0	0.0
	Annual electricity consumption		kWh/a	7320	7925
	SCOP			3.61	3.57
	Energy efficiency class				
		ηsh	%	141.6%	139.7%
	Current (Max)				
			A	27.3	27.3
	Indoor Unit				
	Input [Cooling/Heating]	Rated	kW	0.32	0.48
Ext. Piping	Operating Current (Max)		A	4.8	4.8
	Dimensions	H*W*D	mm	470 - 1370 - 1120	470 - 1370 - 1120
	Weight		kg	88	88
	Air Volume (Lo-Mid-Hi)		m³/min	42.0 - 61.0 - 60.0	50.0 - 61.0 - 72.0
	External Static Pressure		Pa	75 - <100> - <150> - <200> - <250>	75 - <100> - <150> - <200> - <250>
	Sound Level (Lo-Mid-Hi) (SPL)		dB(A)	34.5 - 39.0 - 43.0	37.5 - 42.0 - 46.0
	Sound Level (PWL)		dB(A)	69 - 70 - 70	71 - 71 - 72
	Outdoor Unit				
	Dimensions	H*W*D	mm	943 - 950 - 370	943 - 950 - 370
	Weight		kg	137	138
Guaranteed Operating Range (Outdoor)	Air Volume	Cooling	m³/min	140	140
		Heating	m³/min	140	140
	Sound Level (SPL)	Cooling	dB(A)	59	59
		Heating	dB(A)	62	62
	Sound Level (PWL)	Cooling	dB(A)	77	77
		Heating	dB(A)	77	77
	Operating Current (Max)		A	22.5	22.5
	Breaker Size		A	32	32
	Ext. Piping				
	Diameter ^(*)	Liquid/Gas	mm	9.52 / 25.4	12.7 / 25.4
PEA-M SERIES	Max.Length	Out-In	m	100	100
	Max.Height	Out-In	m	30	30
	Guaranteed Operating Range				
		Cooling ^(*)	°C	-15 ~ 46	-15 ~ 46
		Heating	°C	-20 ~ 21	-20 ~ 21
	Type				
	Indoor Unit				
	Outdoor Unit				
	Refrigerant ^(*)				
	Power Supply				

*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 675. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 675 times higher than 1 kg of CO₂ 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 Optional air protection guide is required where ambient temperature is lower than -5°C.

*3 Joint pipe is required depending on installed refrigerant pipes, outdoor units and indoor units.

PEA-M SERIES

STANDARD INVERTER



Type				PEA-M200LA2	PEA-M250LA2
Indoor Unit				PUZ-M200YDA	PUZ-M250YDA
Outdoor Unit				R32	
Refrigerant ^(*)				Separate power supply	
Power Supply				400/Three/50	
Cooling	Source				
	Outdoor (V/Phase/Hz)				
	Capacity	Rated	kW	19.0	22.0
		Min-Max	kW	6.6 - 22.4	7.6 - 26.0
	Total Input	Rated	kW	6.334	7.587
	EER			3.00	2.90
	Design load		kW	19.0	22.0
	Annual electricity consumption		kWh/a	2071	2442
	SEER			5.50	5.40
	Energy efficiency class				
Heating		ηsc	%	217.2%	213.2%
	Capacity				
		Rated	kW	22.4	24.0
		Min-Max	kW	5.4 - 25.0	6.3 - 27.6
	Total Input	Rated	kW	6.589	7.273
	COP			3.40	3.30
	Design load		kW	15.5	17.0
	Declared Capacity	at reference design temperature	kW	15.5 (-10°C)	17.0 (-10°C)
		at bivalent temperature	kW	15.5 (-10°C)	17.0 (-10°C)
		at operation limit temperature	kW	8.0 (-20°C)	10.7 (-20°C)
Outdoor Unit	Back up heating capacity				
			kW	0.0	0.0
	Annual electricity consumption		kWh/a	5751	6635
	SCOP			3.77	3.59
	Energy efficiency class				
		ηsh	%	147.9%	140.5%
	Current (Max)				
			A	27.3	27.3
	Indoor Unit				
	Input [Cooling/Heating]	Rated	kW	0.32	0.48
Ext. Piping	Operating Current (Max)		A	4.8	4.8
	Dimensions	H*W*D	mm	470 - 1370 - 1120	470 - 1370 - 1120
	Weight		kg	88	88
	Air Volume (Lo-Mid-Hi)		m³/min	42.0 - 61.0 - 60.0	50.0 - 61.0 - 72.0
	External Static Pressure		Pa	75 - <100> - <150> - <200> - <250>	75 - <100> - <150> - <200> - <250>
	Sound Level (Lo-Mid-Hi) (SPL)		dB(A)	34.5 - 39.0 - 43.0	37.5 - 42.0 - 46.0
	Sound Level (PWL)		dB(A)	69 - 70 - 70	71 - 71 - 72
	Outdoor Unit				
	Dimensions	H*W*D	mm	870 - 1100 - 505	870 - 1100 - 505
	Weight		kg	120	120
Guaranteed Operating Range (Outdoor)	Air Volume	Cooling	m³/min	95	106
		Heating	m³/min	105	115
	Sound Level (SPL)	Cooling	dB(A)	52	55
		Heating	dB(A)	59	60
	Sound Level (PWL)	Cooling	dB(A)	71	74
		Heating	dB(A)	71	74
	Operating Current (Max)		A	22.5	22.5
	Breaker Size		A	32	32
	Ext. Piping				
	Diameter ^(*)	Liquid/Gas	mm	9.52 / 22.2	9.52 / 22.2
PEA-M SERIES	Max.Length	Out-In	m	100	100
	Max.Height	Out-In	m	30	30
	Guaranteed Operating Range				
		Cooling ^(*)	°C	-20 ~ 46	-20 ~ 46
		Heating	°C	-20 ~ 21	-20 ~ 21
	Type				
	Indoor Unit				
	Outdoor Unit				
	Refrigerant ^(*)				
	Power Supply				

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