Floor-standing

PSY SERIES (R32 MODELS)



PSY-ZM30/36/45KA-AE



*optional



*optional

* Signal receiver is required.



Streamlined, Lightweight Design

The PS Series has a streamlined design and takes up very little floor space. Adding to this appeal, the unit weight has been significantly reduced for easier handling.

Whisper-quiet Performance

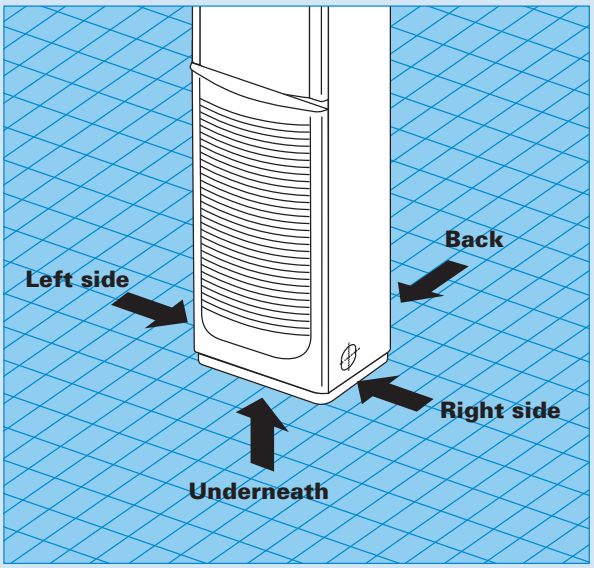
To ensure extra comfort, the PS Series offers whisper-quiet operation thanks to a newly developed low-noise fan and improved air-duct design.

Less Installation Time; 4-way Pipe Directions

To reduce installation time, the piping connection position has been raised to simplify the arrangement of pipes. Piping can also be easily installed in four directions — left side, back, from underneath and on the right side of the unit. Even in the corner of a room is easy installation.

4-way pipe work connections enable greater freedom in installation

Remarkable freedom in choosing installation sites is allowed by providing piping connection to the indoor unit in four places: left side, back, from underneath and on the right side of the unit. Even installation in the corner of a room is easy.



Flockless Vanes

With the adoption of new flockless vanes, dirt and other impurities can be cleaned off easily using a mild household detergent.

A Slim Design

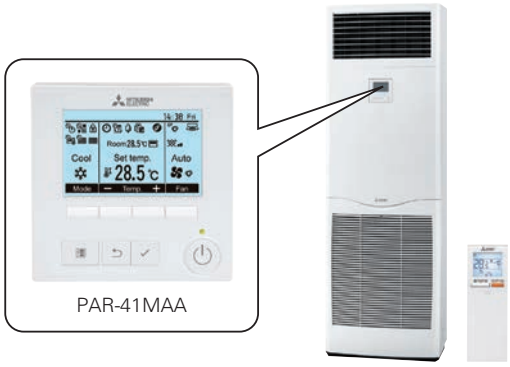
With a width of only 600mm, this slim unit can fit neatly into narrow spaces.





Built-in MA Smart Remote Controller

The large and easy-to-read LCD makes it easy to perform a variety of functions. Equipped with PAR-41MAA, the latest wired remote controller. Offering excellent readability and a diverse range of functions, the remote controller increases user-friendliness and boosts user satisfaction.

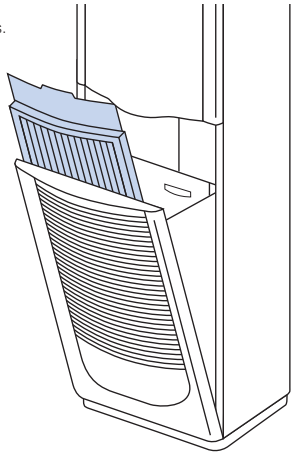


Equipped with a Long-life Filter as Standard

Indoor units are equipped with a long-life filter that has a maximum service life of 2,500hr* (based on use under average office conditions). Filter cleaning is drastically reduced. Furthermore, the adoption of an “open-and-close grille” makes it easy to take the filter out to clean off dust and particulates.

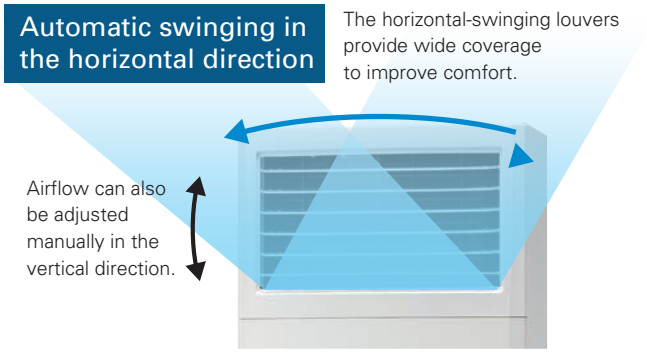
*May vary according to operating conditions.

Easy maintenance



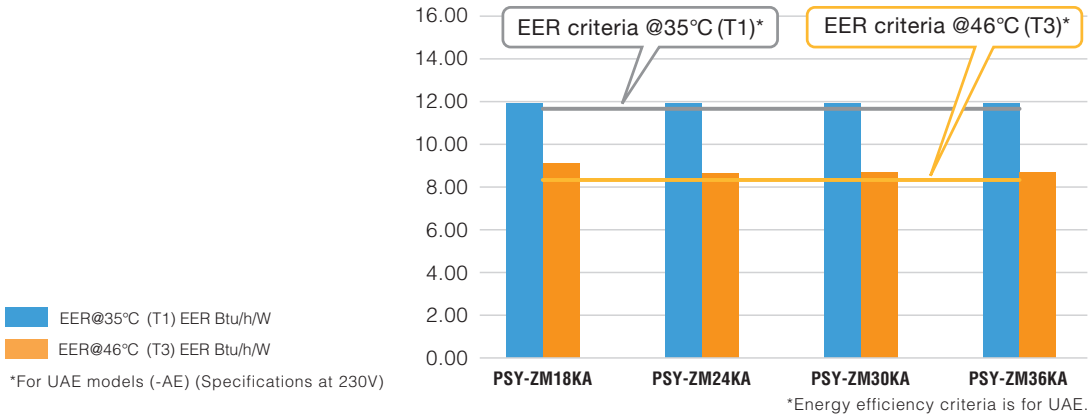
A Wide Airflow Range with Horizontal Swinging

The horizontal swinging function can be turned on or off via the remote controller to deliver comfort over a wider area.



High Energy Efficiency

The classes from low-capacity (30,000Btu) to high-capacity (45,000Btu), have achieved high energy efficiency not only rated condition (@35°C), but even at high ambient 46°C.



*For UAE models (-AE) (Specifications at 230V)

*Energy efficiency criteria is for UAE.

P series Inverter models Specification

Floor-standing (-AE)

Indoor				PSY-ZM30KA	PSY-ZM36KA	PSY-ZM45KA	
Outdoor			-AE	SUY-ZM30VA	PUY-ZM36VKA	PUY-ZM45VKA	PUY-ZM45YKA
Power supply (Outdoor)			V/Phase/Hz	220 - 240 / Single / 50			
Refrigerant				R32			
T1		Capacity (Min-Max)	kW	8.80 (4.10-9.70)	10.60 (4.10-10.70)	12.00 (6.20-15.00)	
			Btu/h	30,000 (13,989-33,096)	36,200 (13,989-36,508)	41,000 (21,154-51,180)	
		Total input	kW	2.510	3.029	3.430	
		EER	Btu/h/W	11.95			
T3		Capacity	kW	7.50	9.00	11.20	
			Btu/h	25,600	30,800	38,200	
		Total input	kW	2.844	3.601	4.442	
		EER	Btu/h/W	9.00	8.55	8.60	
Operating Current			A	16.0	20.0	26.5	11.5
Indoor Unit	Power Input	Rated	kW	0.11			
	Running Current	Rated	A	0.73			
	Dimension	H*W*D	mm	1900*600*360			
	Net weight		kg	48			
	Air Volume (Lo-Med-Hi)		m^3/min	25-28-31			
	Sound level (SPL) (Lo-Med-Hi)		dB(A)	45-49-51			
Outdoor Unit	Dimension	H*W*D	mm	880*840*330	981*1050*330	1338*1050*330	
	Net weight		kg	46	65	100	102
	Air Volume		m^3/min	63.4	87	116	
	Sound level (SPL)		dB(A)	54		55	
	Breaker Size		A	20	25	40	25
Piping	Piping diameter	Liquid-Gas	inch	3/8 - 5/8			
	Max piping length	Out-In	m	50		55	
	Max Height deffierence	Out-In	m	30			
Guaranteed Operation Range (Outdoor)				18-52			

*Specifications are based on the following condition.
T1- Condition : indoor temperature of 27°CDB/ 19°CWB, and outdoor temperature of 35°CDB/24°CWB.
T3- Condition : indoor temperature of 29°CDB/ 19°CWB, and outdoor temperature of 46°CDB/24°CWB.
* Unit is able to operate up to 52 deg C based on the testing condition of UAE S/ISO 13253:2011
* T1 and T3 are specifications at 230V.
* Operating current specifications are at 220-230-240V.

Outdoor Unit



SUY-ZM18VA-AE [GU]
SUY-ZM18NA-SA



SUY-ZM24/30VA-AE [GU]
SUY-ZM24/30NA-SA



PUY-ZM36VKA-AE [GU]
PUY-ZM36NKA-SA

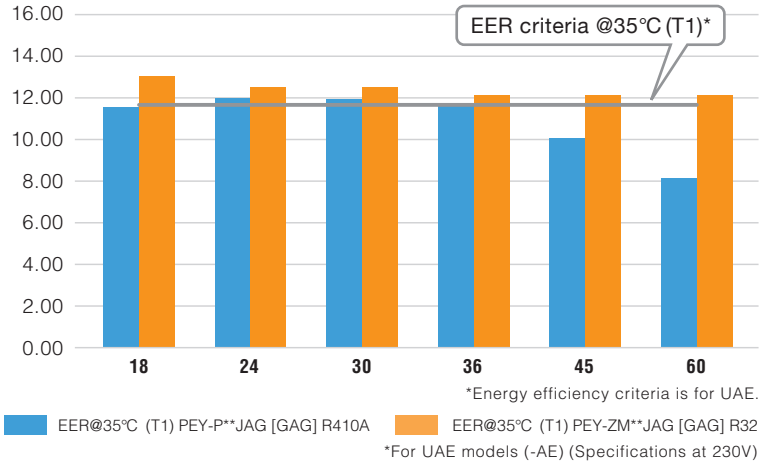


PUY-ZM45/60VKA-AE [GU]
PUY-ZM45/60YKA-AE
PUY-M60V[Y]KA-AE
PUY-ZM45/60N[X]KA-SA

Improved Energy Efficiency

Introduction of new R32 refrigerant realises improved cooling efficiency.

Introduction of new R32 refrigerant reduces energy consumption and realizs energy savings.



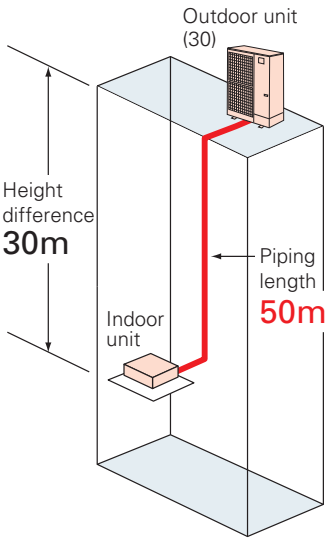
*For UAE models (-AE) (Specifications at 230V)

Longer Piping (18/24/30/36/45)

Piping length and height difference (18/24/30) are longer than R410A models. Installation flexibility increases widely. Piping length (36/45) are also longer from 50m to 55m.

Capacity Class	Max. Piping Length (m)		Max. Height Difference (m)	
	R410A SUY-P	R32 SUY/PUY-ZM	R410A SUY-P	R32 SUY/PUY-ZM
18	20	30	12	20
24	30	30	15	25
30	30	50	15	30
36	30	50	15	30

*SUY-P : SUY-P**VA3 SUY-ZM : SUY/PUY-ZM**VA



Blue Fin Condenser

A special coating is applied to the heat exchanger to increase corrosion toughness.



P series Inverter models Specification

Ceiling-suspended (-AE, -GU)

Indoor				PCY-ZM18KA	PCY-ZM24KA	PCY-ZM30KA	PCY-ZM36KA	PCY-ZM45KA	
Outdoor			-AE, -GU	SUY-ZM18VA	SUY-ZM24VA	SUY-ZM30VA	PUY-ZM36VKA	PUY-ZM45VKA	PUY-ZM45YKA
									-
Power supply (Outdoor)			-AE, -GU V/Phase/Hz	220 - 240 / Single / 50					380-415/Three/50
Refrigerant				R32					
T1		Capacity (Min-Max)	kW	5.31 (2.80-5.40)	7.10 (3.60-8.90)	8.80 (4.10-9.70)	10.60 (4.10-10.70)	13.20 (6.20-15.00)	
			Btu/h	18,100 (9,554-18,425)	24,200 (12,283-30,367)	30,000 (13,989-33,096)	36,200 (13,989-36,508)	45,000 (21,154-51,180)	
		Total input	kW	1.448	1.936	2.510	3.029	3.766	
		EER	Btu/h/W	12.50		11.95		11.95	
T3		Capacity	kW	4.77	6.39	7.50	9.55	11.90	
			Btu/h	16,300	21,800	25,600	32,600	40,600	
		Total input	kW	1.753	2.271	2.844	3.672	4.511	
		EER	Btu/h/W	9.30	9.60	9.00	8.90	9.00	
Operating Current		-AE	A	6.7	8.8	11.6	13.9	17.1	6.5
		-GU		6.4	8.5	11.2	13.4	16.4	6.3
Indoor Unit	Power Input	Rated	kW	0.07	0.08	0.16		0.16	
	Running Current	Rated	A	0.61	0.72	1.35		1.35	
	Dimension	H*W*D	mm	230*1280*680		230*1600*680			
	Net weight		kg	32		40			
	Air Volume (low-med2-med1-high)		m^3/min	16-17-18-20	16-18-20-22	27-29-32-34			
	Sound level(SPL)(low-med2-med1-high)		dB(A)	34-36-38-40	34-36-40-42	42-44-46-48			
Outdoor Unit	Dimension	H*W*D	mm	714*800*285	880*840*330		981*1050*330	1338*1050*330	
	Net weight		kg	38	48	46	65	100	102
	Air Volume		m^3/min	45.6	63.4		87	116	
	Sound level (SPL)		dB(A)	51	54			55	
	Breaker Size		A	16	20		25	40	25
Piping	Piping diameter	Liquid-Gas	inch	1/4 - 1/2	3/8 - 5/8				
	Max piping length	Out-In	m	30		50		55	
	Max Height deffierence	Out-In	m	20	25	30		30	
Guaranteed Operation Range (Outdoor)				18-52					

* Specifications are based on the following condition.
  T1- Condition : indoor temperature of 27°CDB/ 19°CWB, and outdoor temperature of 35°CDB/24°CWB.
  T3- Condition : indoor temperature of 29°CDB/ 19°CWB, and outdoor temperature of 46°CDB/24°CWB.
* Unit is able to operate up to 52 deg C based on the testing condition of UAE S/ISO 13253:2011
* T1 and T3 are specifications at 230V.
* Operating current specifications are at 220-230-240V.

Function List for P-Series

Category		Icon							
		Combination	Indoor unit	PLY-ZM18/24/30/36/45EA		PCY-ZM18/24/30/36/45KA			
			Outdoor unit	SUY-ZM18/24/30VA	PUY-ZM36VKA PUY-ZM45V(Y)KA	SUY-ZM18/24/30VA	PUY-ZM36VKA PUY-ZM45V(Y)KA		
Technology		DC Inverter		●	●	●	●		
		Joint Lap DC Motor		●		●			
		Magnetic Flux Vector Sine Wave Drive			●		●		
		Reluctance DC Rotary Compressor		●	●	●	●		
		Heating Caulking (Compressor)		●	36	●	36		
		DC Fan Motor		●	●	●	●		
		Vector-Wave Eco Inverter			●		●		
		Pulse Amplitude Modulation (PAM)		●	36,45V	●	36,45V		
		Power Receiver and Twin LEV Control			45		45		
		Grooved Piping		●	●	●	●		
Functions	Energy Saving	Felt Temperature Control (3D i-see Sensor)		Opt	Opt				
		Area Temperature Monitor							
		Demand Function			Opt		Opt		
		Auto Vane		●	●	●	●		
	Air Quality	Fresh-air Intake		●	●	●	●		
		High-efficiency Filter		Opt	Opt	Opt	Opt		
		Long-life Filter		●	●	●	●		
		Filter Check Signal		●	●	●	●		
	Air Distribution	Horizontal Vane		●	●	●	●		
		Vertical Vane							
		High Ceiling Mode		●	●	●	●		
		Low Ceiling Mode		●	●	●	●		
		Auto Fan Speed Mode		●	●	●	●		
	Convenience	On/Off Operation Timer		●	●	●	●		
		Auto Restart		●	●	●	●		
		Low-noise Operation (outdoor unit)			●		●		
		Operation Lock							
		Built-in Weekly Timer Function							
		Rotation, Back-up and 2nd Stage Cut-in Functions			Opt		Opt		
		PAR-41MAA Control		Opt	Opt	Opt	Opt		
		Centralised On/Off Control		Opt	Opt	Opt	Opt		
		System Group Control		Opt	Opt	Opt	Opt		
		M-NET Connection		Opt	Opt	Opt	Opt		
	Installation	Cleaning-free Pipe Reuse		●	●	●	●		
		Reuse of Existing Wiring			Opt		Opt		
		Drain Pump		●	●	Opt	Opt		
		Pump Down Switch			●		●		
		Flare Connection		●	●	●	●		
	Maintenance	Self-Diagnotic Function (Check Code Display)		●	●	●	●		
		Failure Recall Function		●	●	●	●		

*Opt: Optional parts must be purchased.
*1 Able to use by setting with remote controller.

P-Series					
	PEY-ZM18/24/30/36/45JAG		PEY-(Z)M60GAG	PSY-ZM30/36/45KA	PSY-ZM30/36/45KA
	SUY-ZM18/24/30VA	PUY-ZM36VKA PUY-ZM45V(Y)KA	PUY-(Z)M60V(Y)KA	SUY-ZM18/24/30VA	PUY-ZM36VKA, 45V/YKA
	●	●	●	●	●
	●			●	
		●	●		●
	●	●	●	●	●
	●	36		●	36
	●	●	●	●	●
		●	●		●
	●	36,45V	60V	36,45V	36,45V
		45	●	45	45
	●	●	●	●	●
				Opt	Opt
		Opt	Opt		Opt
				●	●
	●	●	●	●	●
				●	●
				●	●
				●	●*1
				●	●*1
				●	●*1
	●	●	●	●	●
	●	●	●	●	●
		●	●		●
				●*1	●*1
				●*1	●*1
		Opt	Opt	●*1	●*1
	Opt	Opt	Opt	●	●
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		●	●		●
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