Ceiling-suspended

PCY SERIES (R32 MODELS)



PCY-ZM18/24/30/36/45KA-AE [GU]



optional *optional *optional

* Signal receiver is required.



A stylish indoor unit design and airflow settings for both high- and low-ceiling interiors expand installation possibilities

Stylish Indoor Unit Design

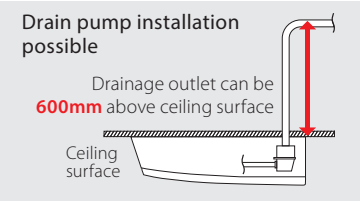
A stylish rectangular design is adopted for the indoor units of all models. As a result, the units blend in better with the ceiling.



PCY-ZM**KA

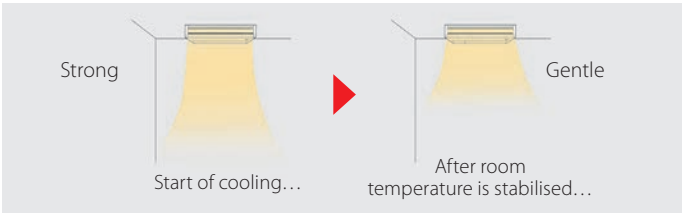
Optional Drain Pump for Full-capacity Models

The pumping height of the optional drain pump has been increased from 400mm to 600mm, expanding flexibility in choosing unit location during installation work.



Automatic Air-speed Adjustment

In addition to the conventional 4-speed settings, units are now equipped with an automatic air-speed adjustment mode. This setting automatically adjusts the air-speed to conditions that match the room environment. At the start of cooling operation, the airflow is set to high-speed to quickly cool the room. When the room temperature reaches the desired setting, the airflow speed is decreased automatically for stable, comfortable cooling operation.



Fresh-air Intake

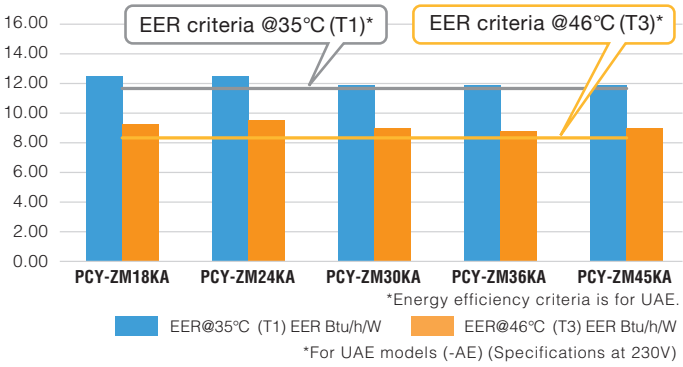
Units are equipped with a knock-out hole that enables the induction of fresh air from outside.

Flockless Vanes

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

High Energy Efficiency

The classes from low-capacity (18,000Btu) to high-capacity (45,000Btu), have achieved high energy efficiency not only rated condition (35°C), but even at high ambient 46°C.



*Energy efficiency criteria is for UAE.

EER@35°C (T1) EER Btu/h/W EER@46°C (T3) EER Btu/h/W

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

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.

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

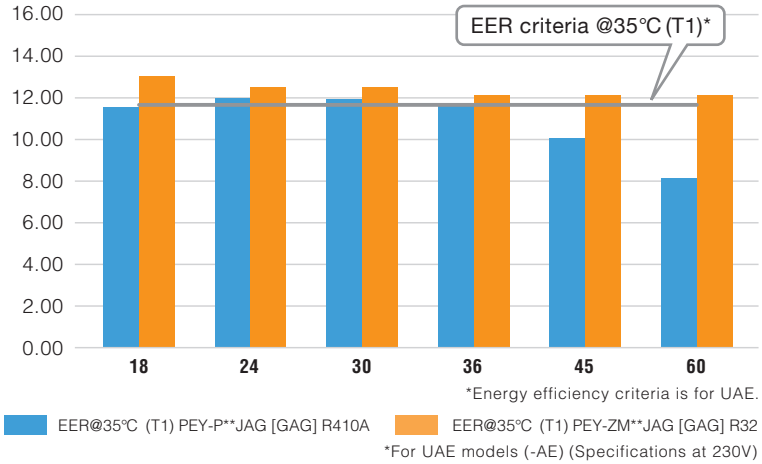


PUY-ZM45/60VKA-AE [GU]
PUY-ZM45/60YKA-AE
PUY-M60V[Y]KA-AE
PUY-ZM45/60N[X]KA-SA

Improved Energy Efficiency

Introduction of new R32 refrigerant realises improved cooling efficiency.

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



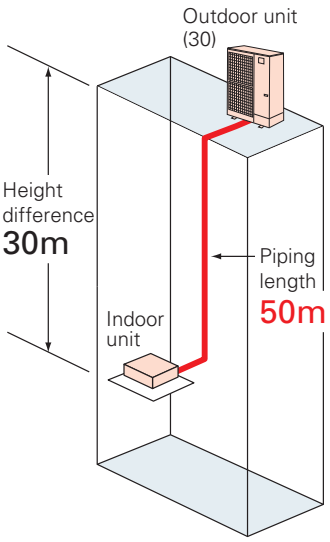
*For UAE models (-AE) (Specifications at 230V)

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.

