

**NEW!**

# SLIM PACKAGED Non-Inverter Air Conditioner (R410a)



for a greener tomorrow



Self-Diagnosis  
Function



5 Years  
Compressor



Low Noise

High Efficiency



**17SPAC-01**

[www.mitsubishielectricmalaysia.com](http://www.mitsubishielectricmalaysia.com)

# Product Line-Up

## Product Line-up

	2.0HP	2.5HP	3.0HP	4.0HP	5.0HP	Remote controller
CEILING CASSETTE	PL-P18BAK	PL-P24BAK	PL-P30BAK	PL-P36BAK	PL-P42BAK	  (Optional)
PL-P SERIES						
CEILING SUSPENDED	PC-P18KAK	PC-P24KAK	PC-P30KAK	PC-P36KAK	PC-P42KAK	  (Optional)
PC-P SERIES						
OUTDOOR UNITS	PU-P18VAKD	PU-P24VAKD	PU-P30VAKD	PU-P36YAKD	PU-P42YAKD	
						

## Features Summary

Series	Comfort										Installation & Maintenance							Others			Remote Controller				
	Auto-swing	Smudge / Draft Free	Quiet Operation	Computerized Dehumidifier	Auto-fan Speed	Fresh Air Intake Outlet	Wide Vane	High Ceiling Mode (Up To 3.5m P18/24, 4.5m P30/36/42)	I-see Sensor (Optional)	Weekly Schedule Wired Rc (Optional)	Compact Design	Drain Water Lift (Optional)	Long Life Filter (2500hrs)	Flockless Vanes	Handy Pocket Corner	Self-diagnosis Function	Error Code & Filter Indicator (For Wired Remote Controller)	Automatic Grille (Optional)	New Direct Suspension System	System Control (Optional With M-net Adapter)	Group Operation (With Wired Remote Controller)	Auto Restart	Outdoor Unit Max. Operating Temp Of 46°C	Wireless Type (Optional For PC-P)	Wired Type (Optional For PL-P)
PL-P	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
PC-P	●		●	●	●				●	●	●	●	●		●	●		●	●	●	●	●	●	●	

## Other Air Conditioning Systems

RAC - Wall Mounted, Outdoor Unit	CPAC - Ceiling-Concealed	VRF System
 	 	

Disclaimer: Specification subject to change without prior notice.

# Product Feature

## CEILING CASSETTE



PL-P SERIES  
PL-P18/24/30/36/42BAK



### Wide airflow

Wide-angle outlets distribute air-flow to all corners of the room, ensuring the room is sufficiently cooled/heated. Horizontal airflow and a fan speed reduced by 20% compared to conventional models also contribute to increased comfort for occupants.



### Less cold draft

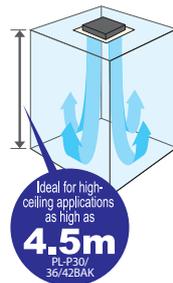
The horizontal airflow function prevents cold drafts from striking the body directly, thereby keeping the body from becoming over-chilled.

\*Horizontal airflow prevents drafty feeling.



### Wide-flow air outlet

The high-power ceiling cassettes offer a wide-flow air outlet that enables effective air conditioning of rooms with atrium ceilings up to 4.5 meters in height. The demands of high-ceiling applications such as halls, showrooms or shopping malls can now be fully answered thanks to this powerful yet highly efficient airflow.



Specifications according to ceiling height (Unit: m)

	PL-P18/24BAK			PL-P30/36/42BAK		
	low ceiling*	standard	high ceiling	low ceiling*	standard	high ceiling
4-way	2.5	2.7	3.5	2.7	3.2	4.5

\*if required to set Low Ceiling Mode in a high humidity condition, please consult with dealers since there is some risk of consideration.

### Automatic vane shutter\*

When the air conditioner is not operating, the vane shutter closes automatically to conceal the air outlet and create an aesthetically appealing flat surface.

\*this feature will not activate when the vane is set at the fixed position.



### Unit height of only 258mm (PL-P18/24BAK)

Ceiling cassette models boast a slim body height for smooth and aesthetic installation even in narrow plenum spaces.



### Automatic Air-speed adjustment

An automatic air speed adjustment mode is provided in addition to the four air-speed stages, of high, Medium 1, Medium 2, and Low. Air speed can be changed freely in accordance with a difference between the set temperature and the room temperature. The automatic air speed adjustment mode offers quick cooling of a room in high mode, such as at the starting up of cooling operation. After the room temperature is stabilized, the low mode will be applied automatically to maintain comfort.



(When using the wireless remote controller, an extra setting is required.)

### Drain water lift-up mechanism

A high-performance drain pump on the drain water lift-up mechanism allows the drain water pipe to be lifted to 850mm from the ceiling surface.



### Bacteria-and mold-resistant specifications

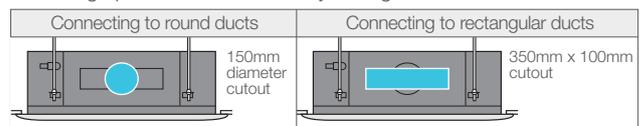
Mitsubishi Electric filters are bacteria-resistant and the drain pans are designed to prevent the growth of mold for fresh and pleasant air conditioning at all times.

### Fresh-air intake

Indoor air quality is significantly enhanced by the direct intake of fresh air from outside. An optional multi-function casement (PAC-SH650F-E) is also available for the intake of a larger volume of air.

### Compatible with both round and rectangular ducts

For easy connection to branch ducts, knock-out holes are designed to fit both round and rectangular ducts. Matching the shape of the duct fringe provides more flexibility during installation.



### Handy corner-pocket design simplifies maintenance

By using the handy corner pockets equipped on the four corner of the grille, maintenance work such as drain pan cleaning and height adjustment can be accomplished without removing the grille.



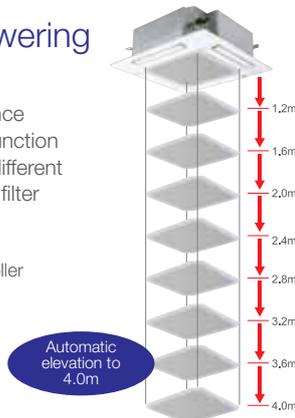
# Product Feature

## Automatic grille lowering function (option)

Easy to use/simple maintenance  
An automatic grille lowering function capable of stopping at eight different heights is available to simplify filter maintenance.



Elevating (up-down) controller (comes with the automatic elevation panel)



## CEILING SUSPENDED

PC-P SERIES  
PC-P18/24/30/36/42KAK



(Optional)

## Stylish indoor unit design

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



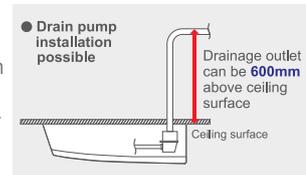
PC-GAKD



PC-P\*\*KAK

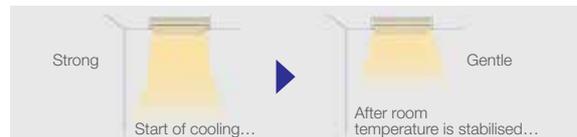
## Optional drain pump for full-capacity models

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



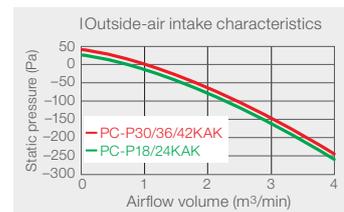
## Equipped with automatic air-speed adjustment

In addition to the conventional 4-speed setting, 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 outside-air intake

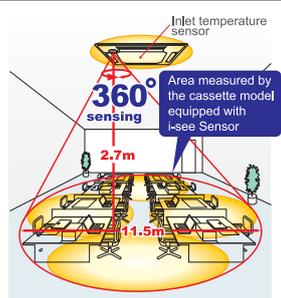
Units are equipped with a knock-out hole that enables the induction of fresh outside-air.



## i-see Sensor (optional corner panel)



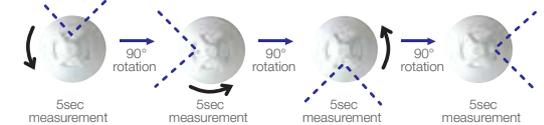
With optional i-see Sensor corner panel sensor



The i-see Sensor temperature-sensing technology improves energy efficiency & enhances room comfort. The "i-see Sensor" is an innovative Mitsubishi Electric technology that uses a radiation-based sensor to monitor temperature throughout an entire room. When connected to the air conditioner control panel, the i-see Sensor works to maximize room comfort.

### i-see Sensor Operation

The "i-see Sensor" rotates 90° at intervals of 5sec, accurately measuring the temperature throughout the room (covering entire floor space).



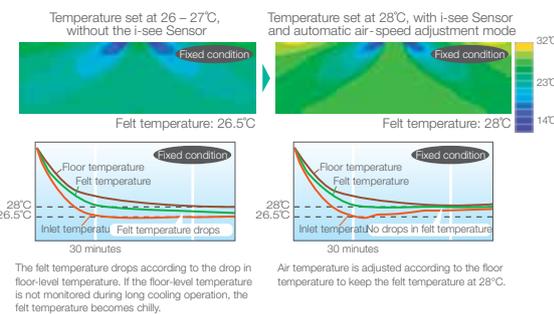
### "Sensible temperature control" prevents excessive cooling through pioneering control technology

By measuring the inlet temperature and floor temperature, temperatures felt by the human body (sensible temperature) will be computed. This allows the proper sensible temperature to always be maintained through the suppression of excessive cooling.

(For simultaneous twin operation, please install the i-see Sensor corner panel on both indoor units.)

The i-see Sensor automatically controls over-cooling by detecting the optimum temperatures.

**Example** When you want the felt temperature to be 28°C.



# Specification & Dimension

## Ceiling Cassette (PL-P)

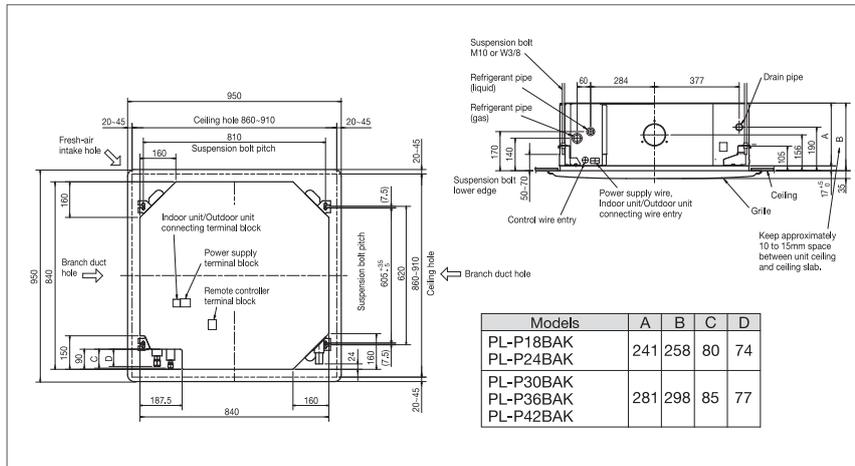
Model	Indoor	PL-P18BA	PL-P24BA	PL-P30BA	PL-P36BA	PL-P42BA
	Outdoor	PU-P18VAKD	PU-P24VAKD	PU-P30VAKD	PU-P36VAKD	PU-P42VAKD
Capacity (Rated)	Btu/hr	17,400	22,500	28,300	35,500	42,300
Power input	kW	1.67	2.17	2.83	3.37	5.54
EER	w/w	3.05	3.04	2.93	3.09	2.24
Running Current	A	6.9	8.87	11.48	3.58	8.7
<b>Indoor Unit</b>		<b>PL-P18BA</b>	<b>PL-P24BA</b>	<b>PL-P30BA</b>	<b>PL-P36BA</b>	<b>PL-P42BA</b>
Power Supply	V/Hz/Ph	200-240V, 50Hz, 1ph				
Air Flow	cfm	495-565-635-705		670-990	705-1060	850-1130
Noise level (Lo-Hi)	dB(A)	28-30-33-35		32-42	33-43	38-45
Drain Pipe (outer diameter)	mm			Ø32		
Dimension (W X D X H)	mm	840x840x258		840x840x298		
Panel Dimension (W X D X H)	mm			950x950x35		
Net weight	kg	23		25	27	
<b>Outdoor Unit</b>		<b>PU-P18VAKD</b>	<b>PU-P24VAKD</b>	<b>PU-P30VAKD</b>	<b>PU-P36VAKD</b>	<b>PU-P42VAKD</b>
Power Supply	V/Hz/Ph	220-240V, 50Hz, 1ph			380-415V, 50Hz, 3ph	
Dimension (W X D X H)	mm	800x285x550	840x330x880		870x295x1258	970x345x1258
Net weight	kg	36	56	72	85	108
Noise level (Lo-Hi)	dB(A)	51	54	55	54	56
Refrigerant		R410A				
Pipe size	Gas mm	12.70				15.88
Outer diameter	Liquid mm	6.35		9.52		
Max. piping length	m	30		40		
Max. height difference	m	10		15		
Guaranteed Operating Range	Upper Limit (DB)				46°C	
	Lower Limit (DB)				21°C	

Testing Condition: Cooling Indoor 27° CDB, 19° CDB. Outdoor 35° CDB Refrigerant Piping length 7.5m.

\* Hair Salon environment is not recommended using with compact high efficient heat exchanger design. Please contact our office for further details.

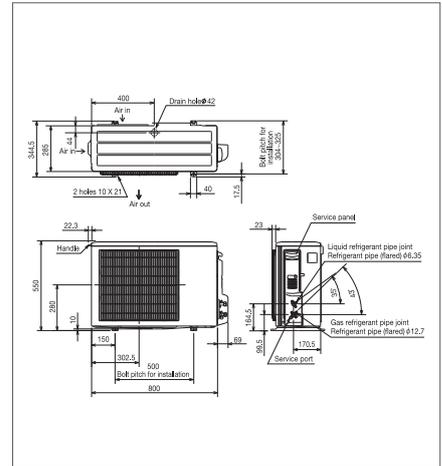
## PL Dimension

PL-P18/24/30/36/42BAK (Unit: mm) Indoor Unit



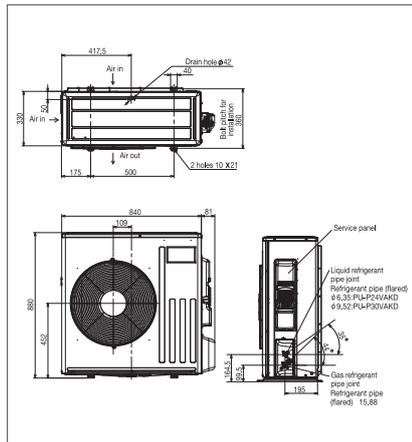
## OUTDOOR UNIT Dimension

PU-P18VAKD (Unit: mm)

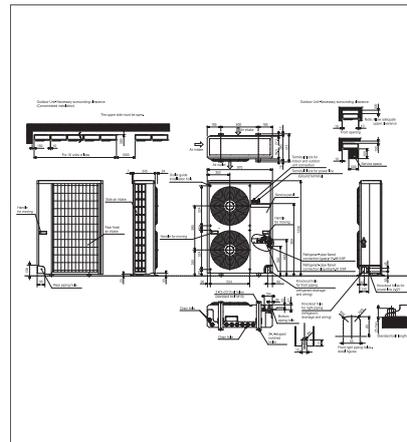


## OUTDOOR UNIT Dimension

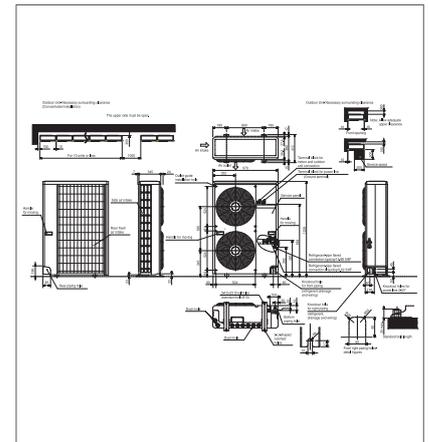
PU-P24/30VAKD (Unit: mm)



PU-P36YKAD (Unit: mm)



PU-P42YKAD (Unit: mm)



# Specification & Dimension

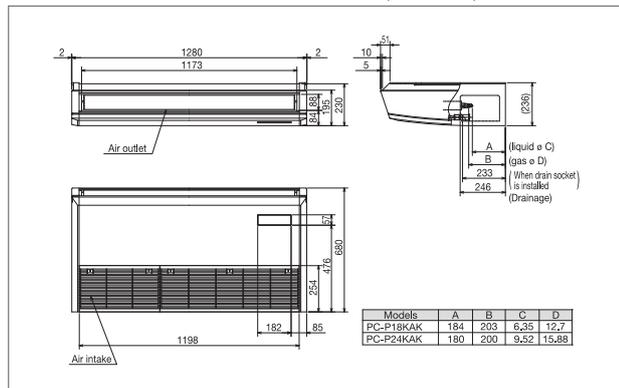
## Ceiling Suspended (PC-P)

Model	Indoor	PC-P18KAK	PC-P24KAK	PC-P30KAK	PC-P36KAK	PC-P42KAK
	Outdoor	PU-P18VAKD	PU-P24VAKD	PU-P30VAKD	PU-P36VAKD	PU-P42VAKD
Capacity (Rated)	Btu/hr	17,400	22,500	28,300	35,500	42,300
Power input	kW	1.68	2.21	2.85	3.42	5.53
EER	w/w	3.04	2.99	2.91	3.04	2.24
Running Current	A	6.9	8.87	11.48	3.58	8.7
Indoor Unit		PC-P18KAK	PC-P24KAK	PC-P30KAK	PC-P36KAK	PC-P42KAK
Power supply	V/Hz/Ph	220-240V,50Hz,1ph				
Air flow	CFM	565-775		850-1060	885-1130	955-1200
Noise level (Lo-Hi)	dB(A)	34-42		39-45	40-46	42-48
Drain Pipe (internal diameter)	mm			ø26		
Dimension (W X D X H)	mm	1280x680x230			1600x680x230	
Net weight	kg	32	36		38	39
Outdoor Unit		PU-P18VAKD	PU-P24VAKD	PU-P30VAKD	PU-P36VAKD	PU-P42VAKD
Power supply	V/Hz/Ph	220-240V,50Hz,1ph			380-415V,50Hz,3ph	
Dimension (W X D X H)	mm	800x285x550		840x330x880	870x295x1258	970x345x1258
Net weight	kg	36	56	72	85	108
Noise level	dB(A)	51	54	55	54	56
Refrigerant		R410				
Pipe size	Gas mm	12.70			15.88	
(Outer diameter)	Liquid mm		6.35			9.52
Max piping length	m		30		40	50
Max. height difference	m		10		15	30
Guaranteed operating range	Upper limit (DB)				46°C	
	Lower limit (DB)				21°C	

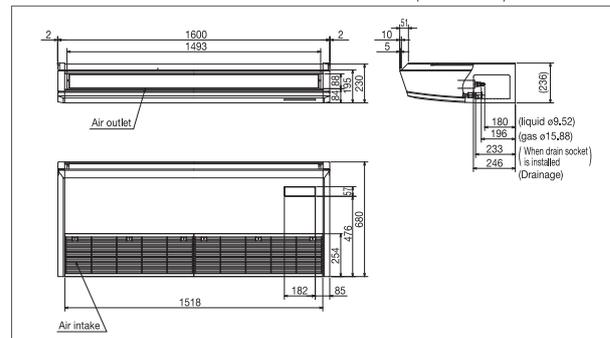
Testing Condition: Cooling Indoor 27°C DB, 19°C CB. Outdoor 35°C DB Refrigerant Piping length 7.5m.

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### PC Dimension PC-P18/24KAK (Unit: mm) Indoor Unit



### PC Dimension PC-P30/36/42KAK (Unit: mm) Indoor Unit



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Mitsubishi Electric Consumer Products and Mitsubishi Electric Shizuoka Works acquired ISO 9001 certification under Series 9000 of the International Standard Organization (ISO) based on a review of Quality Warranties for the production of air conditioning equipment. The plant also acquired environmental management system standard ISO 14001 certification.

Authorised Dealer: