



**High Performance.  
Low Power Consumption.  
Excellent Reliability.**

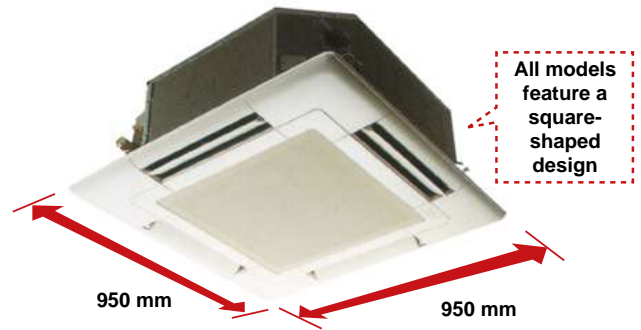
*Changes or the Better*

**M**itsubishi  
**E**lectric  
**Q**uality

# Flexible Layout Planning

## Design uniformity for improved installation flexibility

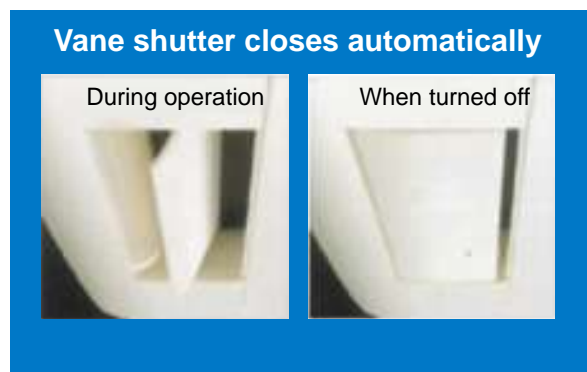
From the smallest to the largest models, these high power ceiling cassettes offer a uniform 950mm x 950mm square panel design. This makes planning for unit positioning simple and models of different capacities can be installed within the same floor space as required.



## Automatic Vane Shutter

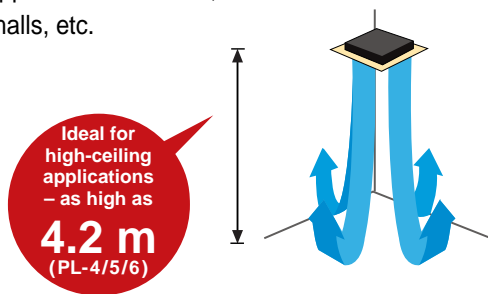
When the air-conditioner is not in operation, the vane shutter\* closes automatically to conceal the air outlet, creating a flat surface which is both aesthetically appealing and functional.

\* This feature can be de-activated by setting the vane at a fixed position.

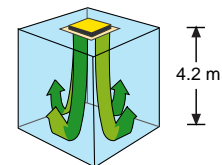


## Wide-flow air outlet

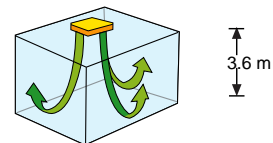
The high power ceiling cassettes feature a wide-flow air outlet that enables effective cooling of spaces with atrium ceilings up to 4.2 metres high. This powerful and highly efficient airflow caters to diverse high-ceiling applications like halls, showrooms, shopping malls, etc.



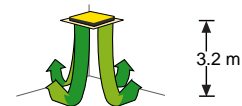
### 4-WAY : HIGH CEILING 2



### 3-WAY : HIGH CEILING 1



### 2-WAY : STANDARD



## SPECIFICATIONS ACCORDING TO CEILING HEIGHT & NUMBER OF VENTS

	PL-3			PL-4 / 5 / 6		
	Standard	High Ceiling - 1	High Ceiling - 2	Standard	High Ceiling - 1	High Ceiling - 2
4-way	2.7	3.0	3.5	3.2	3.6	4.2
*3-way	3.0	3.3	3.5	3.6	4.0	4.2
*2-way	3.3	3.5	-	4.0	4.2	-

\* Optional air outlet shutter plate (PAC-SG06SP-E) is necessary for 2- or 3-way airflow settings.

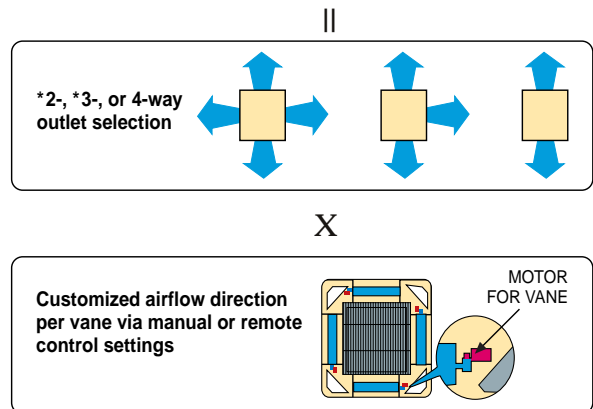
# 72 airflow patterns

## 72 different airflow patterns

An extremely wide range of different airflow patterns makes for highly customized cooling solutions for rooms of varying layouts. For extra versatility, there is a choice of \*two-, \*three- or four-way outlets.

Separate motors for the individual vanes enable manual control that, together with remote control vane settings, assure a high degree of flexibility in airflow patterns.

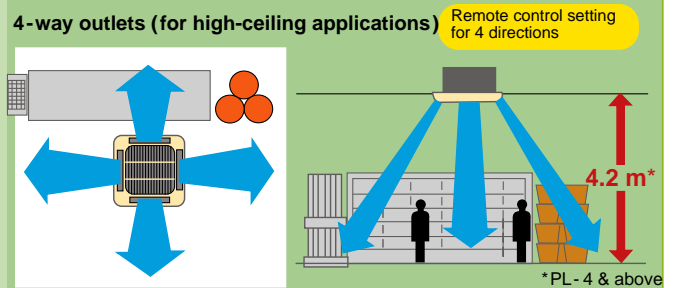
\*Optional air outlet shutter plate (PAC-SG06SP-E) is necessary for 2- or 3-way airflow settings.



### FOR SHOPPING MALLS

Effective cooling in expansive high-ceilinged spaces with complete airflow coverage right down to the floor level.

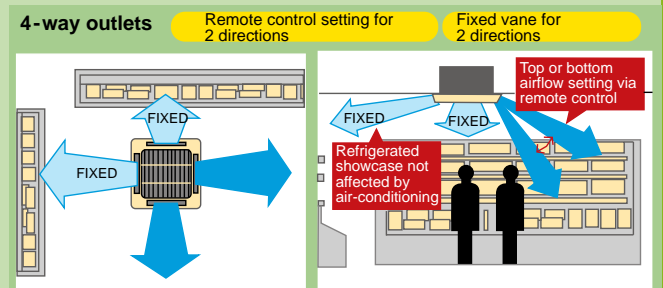
The unique airflow design of these models reduces pressure loss and provides complete cool air coverage from ceiling to floor even in large shopping malls with ceilings over 4 metres in height and factory outlet-type centres.



### FOR RETAIL OUTLETS

Ideal for maintaining constant temperatures in environments that have equipment like refrigerated units

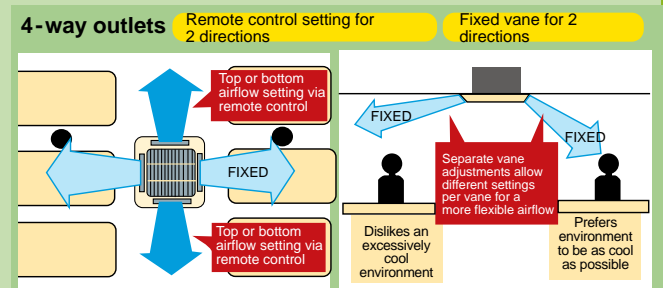
The angles of individual vanes can be adjusted allowing airflow to specific zones to be accurately controlled, making cooling more efficient by reducing unnecessary air-conditioning of areas where refrigerated units or similar equipment are located.



### FOR OFFICES

Ensures comfort in office environments by eliminating annoying draughts

Precise vane control enables airflow to be adjusted to the specific requirements of offices, doing away with draughts thereby creating a comfortable and productive working atmosphere.



## Wired & Wireless Remote Controls (PLP-6AAMD & PLP-6AALCM)

There is the option to choose wired or wireless remote controls.

## Efficient yet Powerful Performance

### Leading industry levels of noise reduction

Reduced airflow resistance and the redesigned fin shape on the heat exchanger combine to provide exceptionally silent operation.

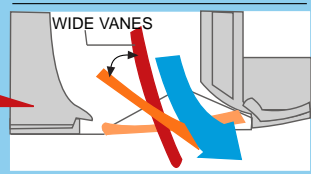
**34dB/28dB**  
PL-3 at hi-notch / lo-notch

### Wide vanes for smudge-free & precise airflow

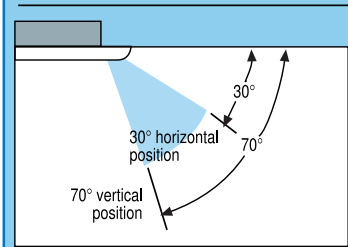
Airflow control and direction through all horizontal and vertical settings is attributable to the wide vanes. They enable cool air to reach the floor level more rapidly even in high-ceiling spaces.

**2x**  
vane width compared to conventional models

Wide vanes improve airflow control

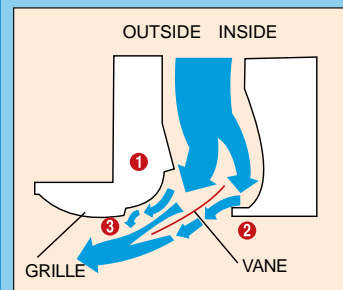


### Wide airflow setting reduces draughts



The wide vanes and the smudge-free airflow control mechanism work together to reduce smudging that normally appears on the ceiling and enable draught-free cooling, enhancing comfort levels significantly.

### Reduced smudging & the new airflow control mechanism



- 1 An external projection diverts airflow & distributes it more evenly over the upper & lower surfaces of the vane.
- 2 3 The air outlet vent also has projections to prevent condensation from rising within the room & accumulating on the ceiling.

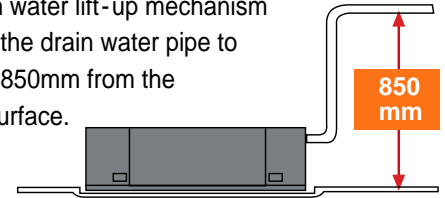
### Bacteria & Mould Resistant Specifications

Mitsubishi Electric filters are bacteria resistant and the drain pans are designed to prevent the growth of mould for fresh and healthy air quality at all times.

## Easy Installation & Maintenance

### Improved drain water lift-up mechanism

The inclusion of a high performance drain pump on the drain water lift-up mechanism enables the drain water pipe to be lifted 850mm from the ceiling surface.



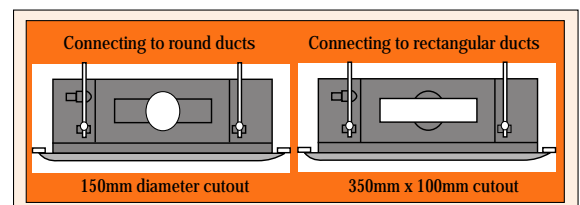
### Handy corner pocket design

Handy corner pockets on the four corners of the grille allow easy routine maintenance such as drain pan cleaning and height adjustments to be carried out without having to remove the grille.



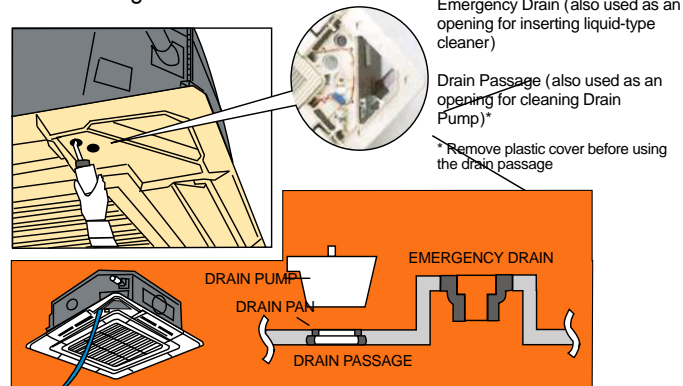
### Compatible with both round & rectangular ducts

For easy connection to both round and rectangular branch ducts, knockout holes to fit both shapes are provided enabling greater flexibility during installation.



### Simplified drain pan cleaning

In the event of a drain pump malfunction, a hose can be connected to the emergency drain with an attached intake grille to prevent water seepage and damage.



## SPECIFICATIONS

MODELS			PL - 3AAK	PL - 4AAK	PL - 5AAK	PL - 6 AAK	
Cooling Capacity	50 Hz	W	7,900	10,300	13,300	15,200	
		BTU/h	27,000	35,200	45,400	51,900	
Total Input		kW	3.33	3.53	4.84	5.43	
Power Supply		50 Hz	Single Phase 220-240 v	3 Phase 380-415v (4 wires)			
Indoor Unit	Model Name		PL - 3AAK	PL - 4AAK	PL - 5AAK	PL - 6AAK	
	External Finish		Galvanised Steel with grey insulation				
	Fan Motor Output		kW	0.07	0.12		
	Airflow (low - high)	50 Hz	CMM	15 - 20	20-28	22-30	
			CFM	530 - 705	705-990	775-1060	
	External Static Pressure		Pa (mmAq)	0 (direct blow)			
	Operation Control & Thermostat		Remote controlled & Built-in				
	Noise Level (low - high)	50 Hz	dB (A)	28-34	33-41	35-43	37-45
	Unit Drain I.D.		mm	32			
	Dimensions	W	mm	840			
		D		840			
		H		258	298		
Weight		Kg	24	30	30	32	
External Finish		Munshell 0.70Y 8.59/0.97					
Indoor Grille	Dimensions	W	950				
		D	950				
		H	30				
	Weight		Kg	5			
Outdoor Unit	Model Name		PU - 3JC	PU - 4YJSA/4YAKD	PU - 5YJSA/5YAKD	PU - 6YJSA/6YAKD	
	External Finish		Munshell 5Y 7/1				
	Refrigerant (R-22) control		Capillary Tube				
	Compressor Output	50 Hz	kW	2.2	2.7	3.5	4.2
	Compressor Type		Rotary		Scroll		
	Protection Devices		(V): Internal thermostat, HP switch, LP switch (Y): Thermal switch, HP switch, LP switch Thermal relay. Anti-phase protector			Internal Thermostat, HP switch, LP switch, Anti-phase protector	
	Fan Motor Output		kW	0.085	0.065 + 0.065	0.10 + 0.10	
	Airflow	50 Hz	CMM ( CFM)	50 (1,765)	95 (3,352)	100 (3,530)	
	Noise Level	50 Hz	dB (A)	52	54	55	56
	Dimensions	W	mm	870		970	
		D		295 + 24			
		H		850	1,258	1,258	
Weight		Kg	73	94	114	117	
Piping	Pipe Size	Gas	ø	15.88	19.05		
		Liquid	ø	9.52			
	Max. Pipe Length		m	30	40	50	
	Max. Height Difference		m	20	30	50	

Guaranteed Operating Range : Up to 52°C

### MITSUBISHI ELECTRIC CARE CENTRE

### HI-TECH AIR SYSTEMS

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