



AIR CONDITIONERS

Changes for the Better

Inverter Series

Mr. SLIM

R410A

52°C

Beat the Heat even at  
high temperatures



for a greener tomorrow



	18,000 BTU/h	24,000 BTU/h	30,000 BTU/h	36,000 BTU/h	42,000 BTU/h	48,000 BTU/h	Remote Controller
 <p><b>Ceiling-cassette</b> (PLY-SP SERIES)</p>	 <p>PLY-SP18BA</p>	 <p>PLY-SP24BA</p>	 <p>PLY-SP30BA</p>	 <p>PLY-SP36BA</p>	 <p>PLY-SP42BA</p>	 <p>PLY-SP48BA</p>	
 <p><b>Ceiling-concealed</b> (PEY-SP SERIES)</p>	 <p>PEY-SP18JA</p>	 <p>PEY-SP24JA</p>	 <p>PEY-SP30JA</p>	 <p>PEY-SP36JA</p>	 <p>PEY-SP42JA</p>	 <p>PEY-SP48JA</p>	
<p><b>Outdoor Unit</b></p>	 <p>SUY-SA18VA</p>	 <p>SUY-SA24VA</p>	 <p>SUY-SA30VA</p>	 <p>PUY-SP36YKA</p>	 <p>PUY-SP42YKA</p>	 <p>PUY-SP48YKA</p>	

# 4-way Ceiling-cassette

(PLY-SP SERIES)



PLY-SP18/24/30/36/42/48BA

A sophisticated design that matches a variety of rooms and a high level of convenience enhancing your quality of life are combined in this compact, multi-functional indoor unit.

### Wide Airflow

Wide-angle outlets distribute airflow 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

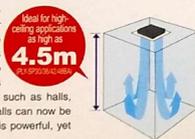
The horizontal airflow function prevents cold drafts from striking the body directly, thereby keeping the body at an appropriate temperature.



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 4.5m 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.



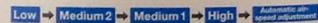
### Specification according to ceiling height (Unit: m)

	PLY-SP18/24BA			PLY-SP30/36/42/48BA		
	Low ceiling*	Standard	High ceiling	Low ceiling*	Standard	High ceiling
4-way	2.5	2.7	3.5	2.7	3.2	4.5
3-way	2.7	3.0	3.5	3.0	3.6	4.5

\* If required to use Low Ceiling mode under high humidity conditions, please consult with your Mitsubishi Electric dealership since there is some risk of condensation.

### Automatic Air-speed Adjustment

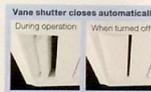
An automatic air-speed adjustment mode is provided in addition to the four air-speed stages, of High, Medium 2, Medium 1, and Low. Air speed can be changed freely according to the difference between set temperature and room temperature. The automatic air-speed adjustment mode offers quick cooling of a room in High mode, such as when starting cooling operation. After the room temperature is stabilized, the system switches to Low mode automatically to maintain comfort.



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

### 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 a fixed position.

### Unit Height of Only 258mm (PLY-SP18/24BA)

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



### "Pure White" Colour Matches Interior Décor

The colour "Pure White" has been introduced for the decoration panel and wired remote controller so as to blend in with any interior décor.

### Quiet Operation

An improved airflow path and powerful high-capacity flow fan contribute to the realisation of quieter operation.



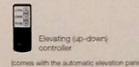
Power flow fan

### Other Features

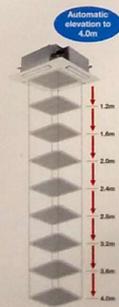
- Maximum upward draining of 850mm
- Wireless remote controller available
- Duct flange for fresh-air intake
- Branch duct

### Auto-up-down Grille Function (Optional)

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

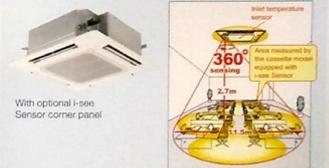


(Comes with the automatic elevation panel)



### i-see Sensor (optional corner panel)

The "i-see Sensor" built into the optional corner panel eliminates uneven temperature distribution and reduces electricity consumption.



With optional i-see Sensor corner panel

### "i-see Sensor" temperature-sensing technology improves energy efficiency and enhances room comfort

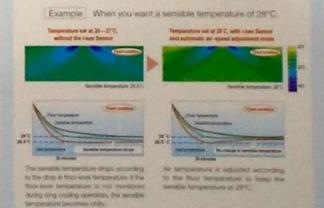
The "i-see Sensor" is an innovative Mitsubishi Electric technology that uses a radiation-based sensor to monitor temperature throughout an entire room. When connected to the air conditioner control panel, the "i-see Sensor" works to maximize room comfort.



### 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) are computed. This allows the proper sensible temperature to always be maintained through the suppression of excessive cooling.

### "i-see Sensor" automatically controls over-cooling by detecting the optimum temperature



# SPECIFICATIONS

## 4-way ceiling-cassette (50Hz)

### PLY-SP SERIES

Models		PLY-SP18BA	PLY-SP24BA	PLY-SP30BA	PLY-SP36BA	PLY-SP42BA	PLY-SP48BA	
Cooling capacity	kW	5.3	7.1	8.8	10.6	12.3	14.1	
Cooling capacity	BTU/h	18,000	24,000	30,000	36,000	42,000	48,000	
Total input	Rated kW	1.73	2.22	2.94	3.34	4.37	6.07	
ISEER	W/W	4.23	4.3	4.25	4.28	3.82	3.47	
Indoor unit	Power supply	1ph 220-240V 50Hz						
	External finish	Munsell 6.4Y 8.9/0.4						
	Airflow (low-Med2-Med1-high)	CFM	425-460-495-565	495-565-635-705	705-775-885-990	850-920-1025-1130		
	Operation control	Remote control						
	Noise level (low-med2-med1-high)	dB (A)	28-29-30-32	28-30-32-34	33-35-38-41	37-39-41-44		
	Unit drain pipe (outer diameter)	mm	32					
	Dimensions (panel)	W	840 (950)					
		D	840 (950)					
		H	258 (35)		298 (35)			
	Weight (panel)	kg	19 (6)	22 (6)	24 (6)	26 (6)		
	Control wiring (Copper)	Sq.mm	3C x 1.5	3C x 1.5	3C x 1.5	3C x 1.5		
Remote control cable size (copper)	Sq.mm	2C x 0.3	2C x 0.3	2C x 0.3	2C x 0.3			
Outdoor unit	Model name	SUY-SA18VA	SUY-SA24VA	SUY-SA30VA	PUY-SP36YKA	PUY-SP42YKA	PUY-SP48YKA	
	Power supply	1ph 220-240V 50Hz				3ph 380-415V 50Hz		
	External finish	Munsell 3.0Y 7.8/1.1						
	Refrigerant (R410A) control	Linear expansion valve						
	Airflow (low-Med2-Med2-Med1-high)	CFM	953	1625		2648		3071
	Noise level	dB (A)	47	52	54	52	53	56
	Dimensions	W	800	840		1050		
		D	285	330		330		
		H	550	880		981		
	Weight	kg	32	49	47	73		
	Max. height difference	m	12	15		30		
	Max. piping length	m	20	30		50		
	Pipe size (outer diameter)	mm	Liquid: 6.35 Gas: 12.7	Liquid: 9.52 Gas: 15.88		Liquid: 9.52 Gas: 15.88		
	Power Cable (Copper)	Sq.mm	3C x 2.0	3C x 2.5		5C x 1.5		
ODU breaker size		16	20		16			
Guaranteed Operating Range	Upper limit (DB)	52						
	Lower limit (DB)	18						

- Rating conditions Cooling - Indoor: 27 (80)DB, 19 (66)WB, Outdoor: 35 (95)DB
- Refrigerant piping length (one-way): 7.5m(25ft)
- Total input based on the indicated voltage (indoor/outdoor): 1ph 230V 50Hz, 3ph 400V 50Hz