



Ceiling Cassette

i-see Sensor

(optional corner panel)

Fresh-air Intake



Automatic Grille Lowering Function (Option)

Easy to use/Simple maintenance

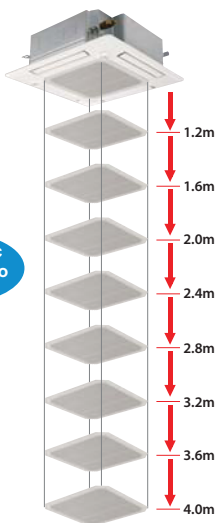
An automatic grille lowering function capable of stopping at eight different heights is available to simplify filter maintenance.



Elevating (up-down) controller

(comes with the automatic elevation panel)

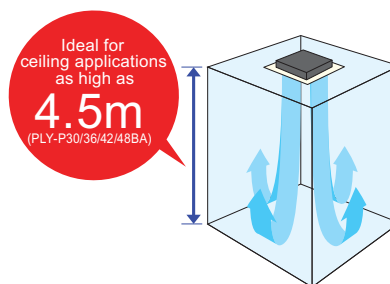
Automatic elevation to 4.0m



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

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.



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 according to the difference between set temperature setting 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.



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.

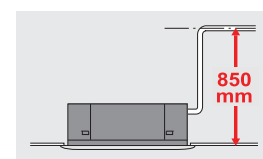
*This feature will not activate when the vane is set at a fixed position.

Vane shutter closes automatically



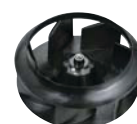
Drain Water Lifting Mechanism

A high-performance drain pump for removing drain water allows the drain water pipe to be routed as high as 850mm from the ceiling surface.



Quiet Operation

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



Power Flow Fan

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.

Features at a glance

Installation & Maintenance	Comfort	Others
Chargeless system	i-see Sensor	System control
Compact design	Auto fan speed	Twin-multi operation
Drain water lifting (850mm)	Wide vane	Auto vane shutter
Handy corner pocket	Smudge/draft-free	Auto restart
Long Life Filter(2500hr)*	High-ceiling application	Fresh-air intake
Self-diagnostic function	Computerized Dehumidifier	Outdoor unit max. operating temp. of 52°C
Filter indicator (for wired remote controller)	Quiet operation	
Flockless vanes	Bacteria-and mold-resistant filter	
Elevation grille		

* May vary according to operating conditions.

Specifications

PLY-Series

4-way Ceiling Cassette (50Hz/60Hz)

Models	Indoor	PLY-P18BA	PLY-P24BA	PLY-P30BA	PLY-P36BA	PLY-P42BA	PLY-P48BA
	Outdoor	SUY-KA18VA	SUY-KA24VA	SUY-KA30VA	SUY-KA36VA	PUY-P42YKA	PUY-P48YKA
Cooling Capacity (Rated)	kW	5.3	7.1	8.8	10.6	12.3	13.2
	Btu/Hr	18,000	24,000	30,000	36,000	42,000	45,000
Cooling Capacity (Min.- Max.)	kW	2.8 - 5.4	3.6 - 8.9	4.1 - 9.7	4.1 - 10.7	6.2 - 14.1	6.6 - 15.0
Total Input (Rated)	kW	1.47	2.02	2.36	3.12	3.68	4.31
EER	W / W	3.61	3.51	3.73	3.40	3.34	3.06
Indoor Unit							
Power Supply	50 Hz	1 Ph / 220V ~240V					
	60 Hz	1 Ph / 220V					
External Finish		Munsell 6.4Y 8.9 / 0.4					
Air Flow (Low/Mid1/Mid2/High)	CFM	425-460-495-565	495-565-635-705	705-775-885-990	850-920-1025-1130		
	L/s	201-217-234-267	234-267-300-333	333-366-418-467	401-434-484-533		
External Static Pressure	Pa	0 (Direct Blow)					
Operation Control /Thermostat		Remote Control / Built-in					
Noise Level (Low/Mid1/Mid2/High)	dB (A)	28 - 29 - 30 - 32	28 - 30 - 32 - 34	33 - 35 - 38 - 41	37 - 39 - 41 - 44		
Drain Pipe (O.D)	mm	32					
Dimensions (H / W / D)	mm	258 / 840 / 840 (Panel 950x950)			298 / 840 / 840 (Panel 950x950)		
Weight (Panel)	Kg	19 (6)	22 (6)	24 (6)	26 (6)		
Outdoor Unit							
Power Supply	50 Hz	1 Ph / 220V ~240V				3 Ph / 380V ~ 415V	
	60 Hz	1 Ph / 220V				3Ph / 380V	
External Finish		Munsell 3.0Y 7.8 / 1.1					
Refrigerant Control(R410A)		Linear Expansion Valve (LEV)					
Air Flow	CFM	1200	1625		1800	4595	
	L/s	566	767		850	2168	
Noise Level	dB (A)	51	54	56	58	55	56
Dimensions (H / W / D)	mm	550 / 800 / 285	880 / 840 / 330			1338 / 1050 / 330	
Weight	Kg	33	47	50	51	96	96
Max. Height Difference	m	30					
Max. Piping Length	m	50					
Pipe Size (O.D)	Liquid	mm(Inch)	6.35 (1/4)		9.52 (3/8)		
	Gas	mm(Inch)	12.5 (1/2)		15.88 (5/8)		

Notes:

Rating conditions

- * Cooling - Indoor : 27 / 19 °C DB/WB, Outdoor: 35 °C DB
- * Refrigerant piping length (one way) : 7.5m (25ft)
- * Noise Level is measured based on JIS standards.

Guaranteed Operating Range (Cooling)

Cooling	Indoor	Outdoor	
		SUY-KA18/24/30/36VA	PUY-P42/48YKA
Upper limit	32° CDB /23° CWB	52° CDB	52° CDB
Lower limit	21° CDB /15° CWB	18° CDB	-5° CDB