



Power Inverter SERIES

The highly energy-efficient Power Inverter Series has reached a new level of energy savings with the incorporation of new technologies and new body design. The side-flow configuration of the integrated outdoor unit body, a maximum piping length of 120m and replacement technologies simplify installation.



Advanced Energy-saving Performance

Utilizing the latest energy-saving technologies with DC inverter technology at the core, a high level of energy-saving performance is achieved. Combining the many energy-saving technologies, an "Energy Rank A" rating for both cooling and heating has been achieved.

Energy Rank (Cooling/Heating)

Series		35	50	60	71	100	125	140
4-way ceiling cassette	PLA-BA	A/A	A/A	A/A	A/A	A/A	A/A	B/A
Wall-mounted	PKA-GAL/FAL	A/B	C/C	B/B	A/B	A/B		
Ceiling-suspended	PCA-GA		B/B	A/B	A/B	A/B	A/B	B/B
	PCA-HA				A/B		A/B	
Floor-standing	PSA-GA				A/B	A/B	B/B	C/C
Ceiling-concealed	PEAD-EA	A/B	A/A	A/A	A/B	A/B	A/A	B/B

Energy Rank A/A 9 combinations (when connected 1:1)

Series		35	50	60	71	100	125	140
4-way ceiling cassette	PLA-BA	A/A	A/A	A/A	A/A	A/A	A/A	A/A
Wall-mounted	PKA-HAL/KAL	A/A	A/A	A/A	A/A	A/A		
Ceiling-suspended	PCA-KA		A/A	A/A	A/A	A/A	A/A	A/A
	PCA-HA				A/B		A/B	
Floor-standing	PSA-GA				A/B	A/B	B/B	C/C
Ceiling-concealed	PEAD-JA	A/A	A/A	A/A	A/A	A/A	A/A	A/A

Energy Rank A/A 25 combinations (when connected 1:1) **3-fold increase**

ADVANCED ENERGY-SAVING TECHNOLOGIES

Highly efficient fan and grille for outdoor unit

The shapes of the fan and grille of the outdoor unit were redesigned, realising an increase in blowing capacity and more efficient heat exchange while maintaining the same operating noise level.

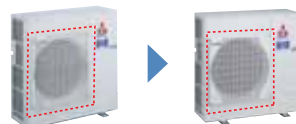
Outdoor unit fan opening increased <RP100-250>

The diameter of the opening for the fan in the outdoor unit has been increased from 490 to 550mm, the same fan rotation speed.



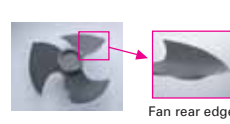
Grille shape changed <RP60-250>

The shape of the air outlet grille has been changed to reduce pressure loss. This has helped improve heat exchange performance.



Inflexed fan <RP100-250>

Adoption of a fan with improved ventilation characteristics and a newly designed rear edge that suppresses wind turbulence raises fan operation efficiency.

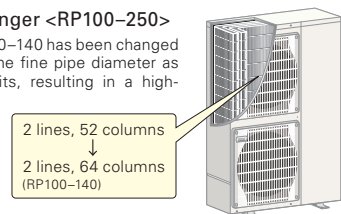


Highly efficient heat exchanger

A high density and increase in surface area have improved the heat-exchange efficiency of the heat exchanger.

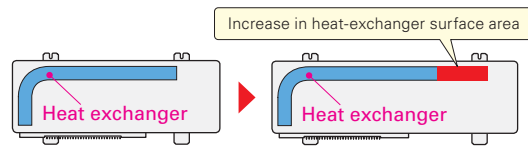
High-density heat exchanger <RP100-250>

The pipe diameter for the RP100-140 has been changed from 9.52 to 7.94mm, the same fine pipe diameter as that used for RP200-250 units, resulting in a high-density heat exchanger.

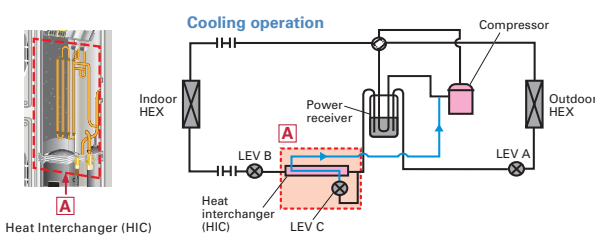


Heat-exchange surface area increased <RP100-250>

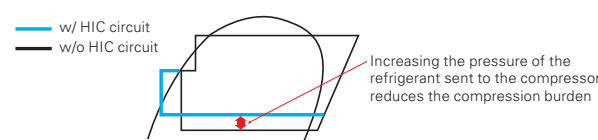
Heat exchanger size extended horizontally, increasing the surface area.



Heat Interchanger (HIC) Added <RP140>



An HIC circuit has been added to improve energy efficiency during cooling operation. Liquid refrigerant is rerouted, transformed into a gas state and injected back into the system to increase overall pressure of the refrigerant being sent to the compressor, thereby reducing the load on the compressor and raising efficiency.



Side-flow Outdoor Units

All operating capacities have been unified to the side-flow configuration. Even for locations requiring large capacities, the small footprint of these outdoor units enable them to be used anywhere.



PUHZ-RP35/50 PUHZ-RP60/71 PUHZ-RP100/125/140/200/250

Silent Control

Fan speed during cooling operation is automatically reduced when the outdoor temperature drops, resulting in quiet, low-noise operation. Operating noise is reduced by 3dB, to half of the audible sound.

Model RP140 (cooling)

Suppressed to about 1/2 the audible sound (compared to daytime use)

"Silent Control" reduces sound further

Day 50dB Outdoor temperature: 35°C

Night 47dB Outdoor temperature: 25°C

3dB reduction

3-phase Power-supply Inverter (RP100-250YHA)

Incorporation of a 3-phase power supply realizes a dramatic reduction in operating current. This special technology is equipped in outdoor units to ensure compliance with electromagnetic compatibility regulations in Europe.

Operating current comparison (for combinations using 4-way ceiling cassettes)

Power Supply		10kW	12.5kW	14.0kW
3-phase	Rated (cooling)	4.5	6.5	7.7
	Rated (heating)	4.6	6.3	7.6
	Max.	9.0	10.5	12.1
	Breaker size	16	16	16
1-phase	Rated (cooling)	11.0	16.6	19.7
	Rated (heating)	11.2	15.9	19.5
	Max.	27.5	27.5	29.1
	Breaker size	32	32	40

Long Pipe Length

The additional refrigerant volume enables piping lengths of up to 120m (RP200/250), thereby making installation easier.

Model	Max. Pipe Length	Max. Height Difference
PUHZ-RP35/50	50m	30m
PUHZ-RP60/71	50m	30m
PUHZ-RP100/125/140	75m	30m
PUHZ-RP200/250	120m	30m

When pipe length exceeds 80m, separate power sources are required for the indoor and outdoor units. (An optional power-supply terminal kit is needed for indoor units with no power supply terminal block.)

Cleaning-free Pipe Reuse Technology

Ability to use existing piping reduces pipe waste and replacement time

No Need to Clean at the Time of System Renewal

Chloride residue builds up in existing pipes and becomes a source of trouble. The incorporation of various original Mitsubishi Electric technologies has resulted in the introduction of "cleaning-free pipe reuse."

Why can't existing piping be used?

R22 refrigerant leaves a chloride residue that builds up in existing piping. If left as is, the refrigerant oil will deteriorate.

■ At Time of Renewal

Problem 1	Problem 2	Result
Former refrigerant R22	High operating temperature	New refrigerant R410A
Chloride residue	Temperature of moving components in compressor increases	Chloride residue and high heat generated during operation deteriorate refrigerant oil

Must clean piping for models not compatible with "cleaning-free" technology

Existing piping can be used without cleaning

Mitsubishi Electric's Original Replacement Technologies

Countermeasure for Problem 1

Technology 1 Alkyl Benzene Oil

Countermeasure for Problem 2

Technology 2 Friction Reduction (moving parts in compressor)

Technology 1 Original Refrigerant Oil

With a scientifically high level of stability, the adoption of "alkyl benzene oil" for use in RP35-50 units prevents deterioration due to chloride residue.

Low-deterioration alkyl benzene oil

Start of use 10 years later

Technology 2 Friction Reduction

Friction inside the compressor is reduced by using an original Mitsubishi Electric technology called the "Heat Caulking Fixing Method" or coating the edge of the blade in the scroll compressor, thereby suppressing the increase in temperature that causes refrigerant oil deterioration.

Cautions when using existing piping

- Check whether or not existing units can be used (Cleaning-free pipe reuse technology cannot be used with units which have trouble record).
- Chloride residues mixing with refrigerant oil will cause deterioration and change the oil colour to yellow. This can be resolved by installing Power Inverter Series units equipped with Cleaning-free Pipe Reuse technologies. However, in cases iron particulates generated by compressor trouble are existed in the system, regardless of how dark the oil colour is, please clean the existing pipes.
- When removing an old air conditioning unit, please make sure to perform the pump-down process and recover the refrigerant and refrigerant oil.
- Check to ensure that the piping diameter and thickness match Mitsubishi Electric specifications.
- Check to ensure that the flare is compatible with R410A.

Use of existing piping is possible up to these points.

Level 0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0

Start of use

Iron particulates build up causing a blackish colour

Colour when collected in bottle

Colour of tissue after dipping in it

PLA SERIES

A complete line-up including deluxe units that offer added energy savings. The incorporation of wide air-outlet and the "i-see Sensor" enhances airflow distribution control, achieving an enhanced level of comfort throughout the room. The synergy of higher energy efficiency and more comfortable room environment results in the utmost user satisfaction.

PLA-RP35/50/60/71/100/125/140



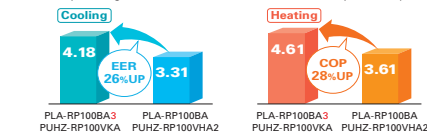
Deluxe 4-way Cassette Line-up

For customers seeking much higher energy-savings, Mitsubishi Electric offers a variety of deluxe units in this series line-up: models 75-125. Compared to the standard model (100), deluxe models provide an additional energy savings of approximately 20%, contributing to a significant reduction in electricity costs.

Series	Model	35	50	60	71	100	125	140
Deluxe 4-way Cassette								
Standard 4-way Cassette								
		PLA-RP35BA	PLA-RP50BA	PLA-RP60BA	PLA-RP71BA2	PLA-RP100BA3	PLA-RP125BA2	PLA-RP140BA2

Energy Efficiency Comparison

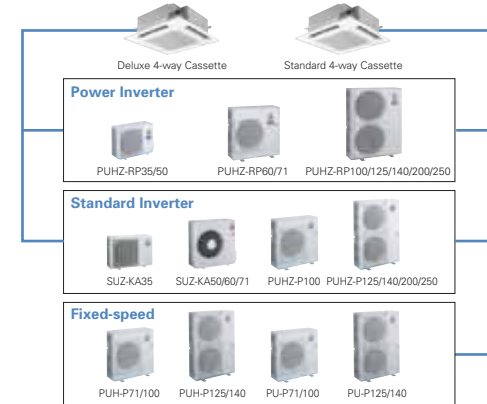
Compared to the standard model (100), the deluxe 4-way ceiling cassette power inverter series provides an approximate 20% improvement in energy efficiency, adding to even further reductions in electricity consumption.



Key Technologies for Higher Energy Efficiency

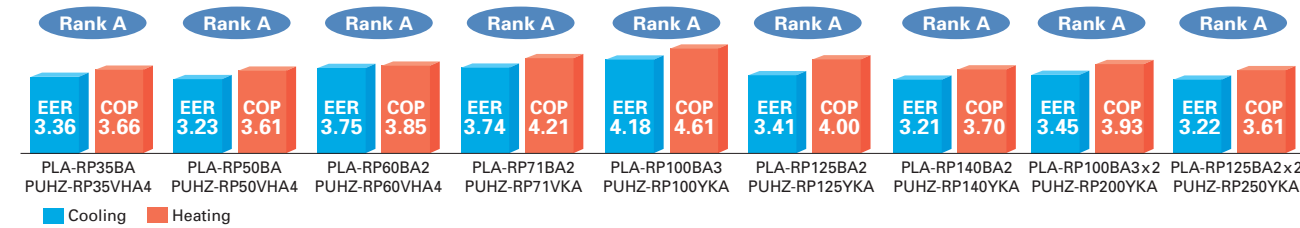
- New Heat Exchanger Design**
Heat exchanger fine size and pitch have been changed, raising energy efficiency.
- Pre-grooved Piping**
High-performance pre-grooved piping is utilized, increasing the heat exchange area.

Indoor/Outdoor Unit Combinations



"Rank A" Energy Savings Achieved for Range of Full-capacity Models

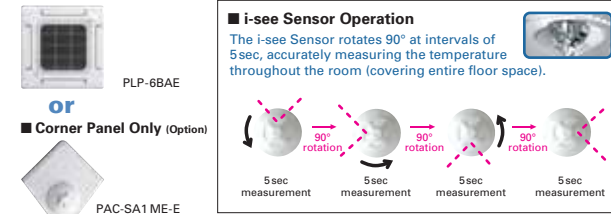
In addition to the deluxe indoor units, models in the full-capacity range have also attained the "Rank A" energy savings rating. This contributes greatly to reducing electricity costs regardless of building size.



"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, i-see Sensor works to maximize room comfort.

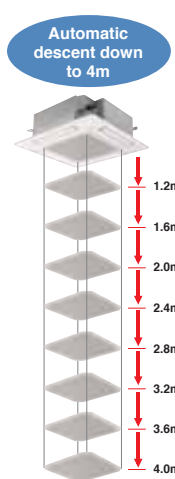
i-see Sensor Panel



Automatic Grille Lowering Function (PLP-6BAJ)

An automatic grille lowering function is available for easy filter maintenance. Special wired and wireless remote controllers can be used to lower the grille for maintenance.

The grille can be lowered a maximum of 4m from the ceiling in 8 steps, thus enabling easy cleaning of the air filter. Cleaning of the filter is an important factor for saving energy.

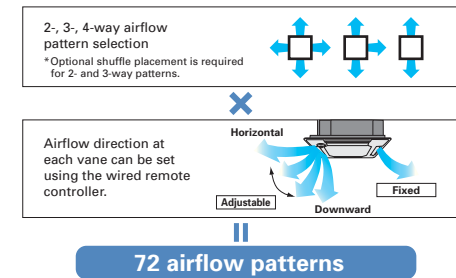


Optimum Airflow

Individual Vane Settings

Optimum airflow settings provide maximum comfort throughout the room.

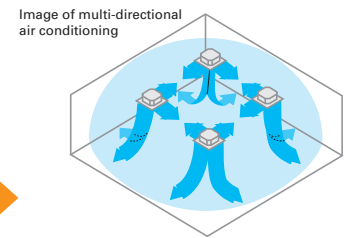
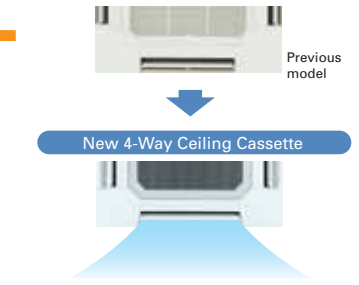
In addition to the selection of variable airflow patterns (i.e., 2-, 3- or 4-way), this function allows the independent selection of vertical airflow levels for each vane, thereby maintaining a comfortable room environment with even temperature distribution.



Wide Airflow

Wide-angle outlets distribute airflow to all corners of the room.

The outlets are larger than those of previous models and the shape has been improved for better wide-angle ventilation.



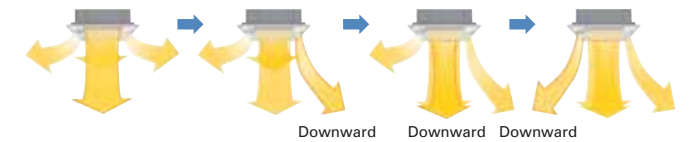
Individual Vane Setting + Wide Airflow

The combination of individual vane setting, which enables the optimal outlet setting for each room layout, and the wide airflow function works to ensure even temperature distribution throughout each room. The result is uniformly comfortable air conditioning.

Wave Airflow – Thoroughly warming all corners of the room!

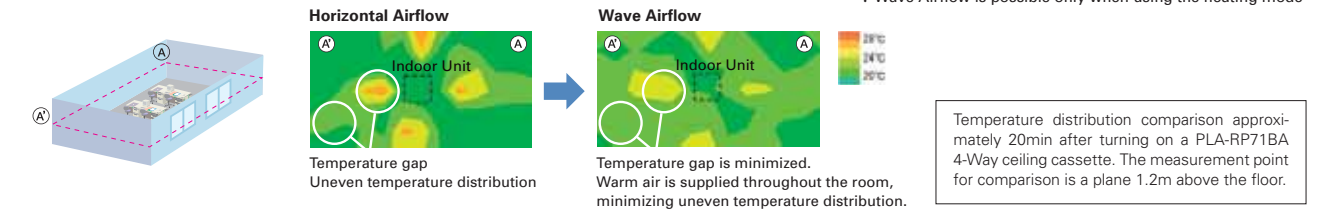
Wave Airflow Operation

"Wave Airflow" is essentially the advanced control of the vanes directing the airflow from the unit. Blown-air is repeatedly dispersed from the unit in horizontal and downward directions at time-lagged intervals to provide uniform heating throughout the room.



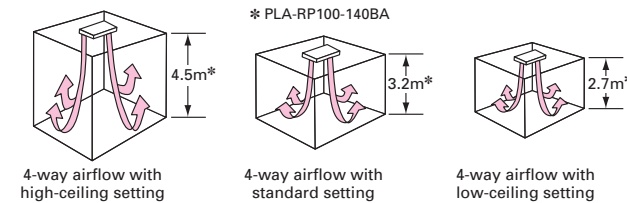
* Wave Airflow is possible only when using the heating mode

Thermograph of Wave Control Effect



Equipped with High- and Low-ceiling Modes

Units are equipped with high- and low-ceiling operation modes that make it possible to switch the airflow volume to match room height. The ability to choose the optimum airflow volume makes it possible to optimize the breezy sensation felt throughout the room.

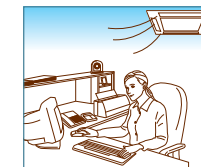


Airflow Range

Model	PLA-RP35-71BA			PLA-RP100-140BA		
	High-ceiling setting	Standard setting	Low-ceiling setting	High-ceiling setting	Standard setting	Low-ceiling setting
4-Way	3.5m	2.4m	2.5m	4.5m	3.2m	2.7m
3-Way	3.5m	3.0m	2.7m	4.5m	3.6m	3.0m
2-Way	3.5m	3.3m	3.0m	4.5m	4.0m	3.3m

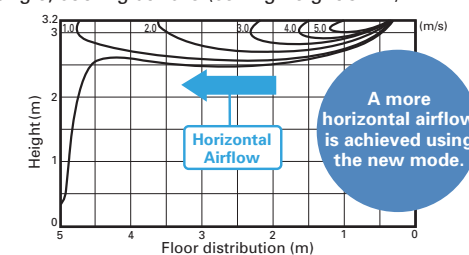
Horizontal Airflow

A "Horizontal Airflow" function has been added to reduce drafty-feeling distribution. Horizontal Airflow prevents cold drafts from striking the body directly, thereby keeping the body from becoming over-chilled.



[Airflow Distribution]

PLA-RP125BA(2)
Flow angle, cooling at 20°C (ceiling height 3.2m)



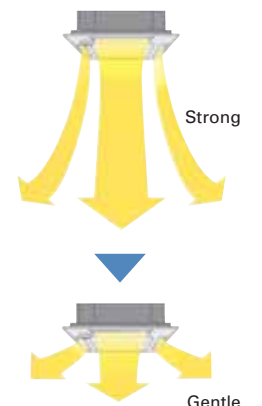
* Smudge spots on the ceiling may form where the airflow is not evenly distributed.

Automatic Air-speed Adjustment

An automatic air-speed mode that adjusts airflow speed automatically is adopted to maintain comfortable room conditions at all times. This setting automatically adjusts the air-speed to conditions that match the room environment.

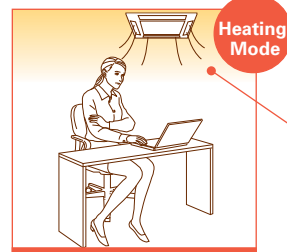
At the start of heating/cooling operation, the airflow is set to high-speed to quickly heat/cool the room.

When the room temperature reaches the desired setting, the airflow speed is decreased automatically for stable comfortable heating/cooling operation.



DOES HAVING COLD FEET BOTHER YOU?

The "i-see Sensor" is the answer to your problems!



Heating Mode

Warm air rises to the ceiling!

In heating mode, the upper body gets warm but legs and feet remain chilly.

Even though the temperature on the remote controller is at a preset temperature, the temperature at floor level remains cold. As a result, there's no feeling of getting warmer.



Cooling Mode

Legs and feet feel cold!

When cooling, the legs and feet get too cold, chilling the entire body.

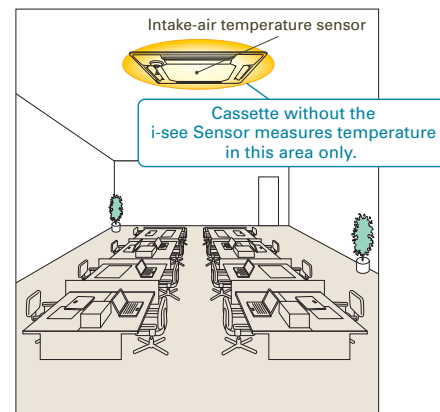
At the beginning of operation, the room is nice and cool; but before long the temperature at floor level drops, causing the feeling of being too cold.

i-see Sensor

A comfortable room environment cannot be maintained by monitoring only the temperature at the ceiling.

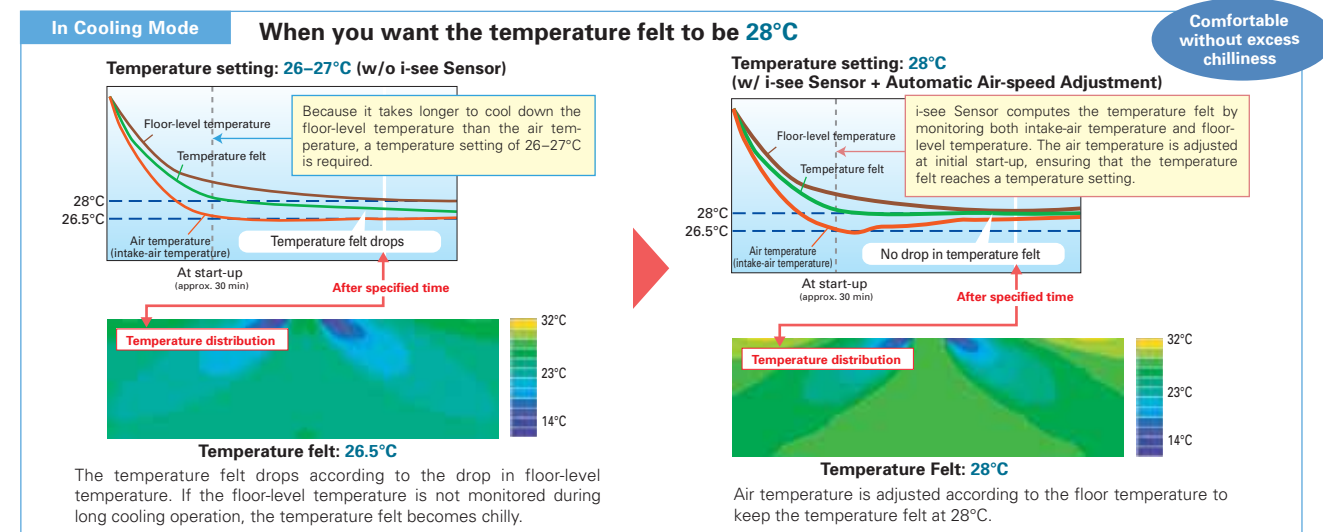
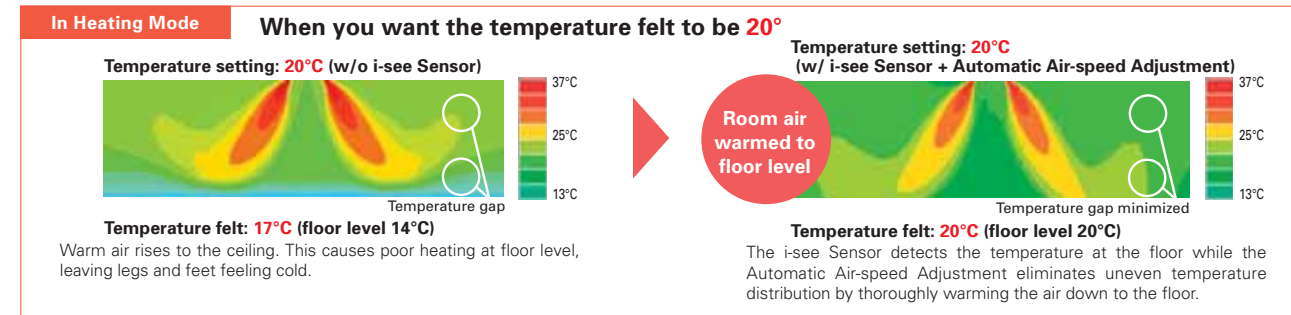
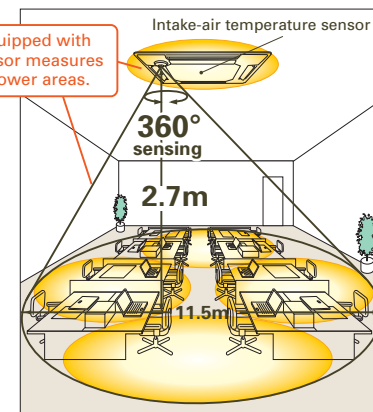
Without "i-see Sensor"

Only intake-air temperature at the ceiling was measured, tending to overlook uneven temperature distribution at floor level.



Equipped with New 4-Way Ceiling "i-see Sensor"

Both the floor temperature and intake-air temperature are measured to provide operation that creates a comfortable room environment from ceiling to floor.



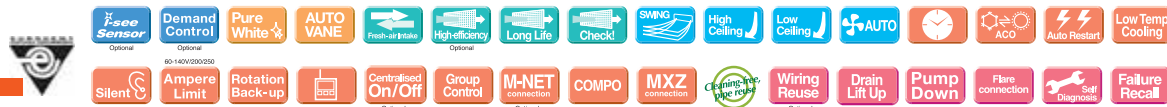
SERIES SELECTION

Power Inverter Series		
Indoor Unit PLA-RP35/50/60/71/100/125/140 Standard Panel PLP-6BA (only Panel) PLP-6BAMD (with wired remote controller) PLP-6BALM (with wireless remote controller) Automatic Filter Elevation Panel PLP-6BAJ (only Panel) Standard Panel with "i-see Sensor" PLP-6BAE (only Panel) PLP-6BALME (with wired remote controller) PLP-6BAMDE (with wireless remote controller)	Outdoor Unit For Single PUHZ-RP35/50 PUHZ-RP60/71 PUHZ-RP100/125/140 For Multi (Twin/Triple/Quadruple) PUHZ-RP71 PUHZ-RP100/125/140/200/250	Remote Controller Inverter, Jant Lap, Vector Sine Wave, DC Inverter, PAM, Power Receiver, Grounded Pump, EER, COP, A, A
Standard Inverter Series		
Indoor Unit PLA-RP35/50/60/71/100/125/140 Standard Panel PLP-6BA (only Panel) PLP-6BAMD (with wired remote controller) PLP-6BALM (with wireless remote controller) Automatic Filter Elevation Panel PLP-6BAJ (only Panel) Standard Panel with "i-see Sensor" PLP-6BAE (only Panel) PLP-6BALME (with wired remote controller) PLP-6BAMDE (with wireless remote controller)	Outdoor Unit For Single SUZ-KA35 SUZ-KA50/60/71 PUHZ-P100 PUHZ-P125/140 For Multi (Twin/Triple/Quadruple) PUHZ-P100 PUHZ-P125/140/200/250	Remote Controller Inverter, Jant Lap, Vector Sine Wave, DC Inverter, PAM, Power Receiver, Grounded Pump, EER, COP, A, A
Fixed-speed Series (Heat pump)		
Indoor Unit PLA-RP35/50/60/71/100/125/140 Standard Panel PLP-6BA (only Panel) PLP-6BAMD (with wired remote controller) PLP-6BALM (with wireless remote controller) Automatic Filter Elevation Panel PLP-6BAJ (only Panel) Standard Panel with "i-see Sensor" PLP-6BAE (only Panel) PLP-6BALME (with wired remote controller) PLP-6BAMDE (with wireless remote controller)	Outdoor Unit For Single PUH-P71/100 PUH-P125/140 For Multi (Twin/Triple) PUH-P71/100 PUH-P125/140	Remote Controller Inverter, Jant Lap, Vector Sine Wave, DC Inverter, PAM, Power Receiver, Grounded Pump, EER, COP, A, A
Fixed-speed Series (Cooling only)		
Indoor Unit PLA-RP35/50/60/71/100/125/140 Standard Panel PLP-6BA (only Panel) PLP-6BAMD (with wired remote controller) PLP-6BALM (with wireless remote controller) Automatic Filter Elevation Panel PLP-6BAJ (only Panel) Standard Panel with "i-see Sensor" PLP-6BAE (only Panel) PLP-6BALME (with wired remote controller) PLP-6BAMDE (with wireless remote controller)	Outdoor Unit For Single PU-P71/100 PU-P125/140 For Multi (Twin/Triple) PU-P71/100 PU-P125/140	Remote Controller Inverter, Jant Lap, Vector Sine Wave, DC Inverter, PAM, Power Receiver, Grounded Pump, EER, COP, A, A

PLZ-RP BA Indoor Unit Combinations Indoor unit combinations shown below are possible.

Indoor Unit Combination	Outdoor Unit Capacity																					
	For Single				For Twin				For Triple				For Quadruple									
	35	50	60	71	100	125	140	200	250	71	100	125	140	200	250	140	200	250	200	250	200	250
Power Inverter (PUHZ-RP)	35x1	50x1	60x1	71x1	100x1	125x1	140x1	-	-	35x2	50x2	60x2	71x2	100x2	125x2	50x3	60x3	71x3	50x4	60x4	-	-
Distribution Pipe	-	-	-	-	-	-	-	-	-	-	-	-	-	MSDD-50SR-E	MSDD-50WR-E	MSDT-111R-E	MSDT-111R-E	MSDF-1111R-E	-	-	-	-
Standard Inverter (PUHZ-P&SUZ)	35x1	50x1	60x1	71x1	100x1	125x1	140x1	-	-	-	-	-	-	50x2	60x2	71x2	50x3	60x3	71x3	50x4	60x4	-
Distribution Pipe	-	-	-	-	-	-	-	-	-	-	-	-	-	MSDD-50SR-E	MSDD-50WR-E	MSDT-111R-E	MSDT-111R-E	MSDF-1111R-E	-	-	-	-
Fixed-speed (PUH-P&PU-P)	-	-	-	71x1	100x1	125x1	140x1	-	-	35x2	50x2	60x2	71x2	-	-	50x3	-	-	-	-	-	-
Distribution Pipe	-	-	-	-	-	-	-	-	-	-	-	-	-	MSDD-50SR-E	-	MSDT-111R-E	-	-	-	-	-	-

PLZ-RP SERIES
POWER INVERTER



Type		Inverter Heat Pump												
Indoor Unit		PLA-RP35BA	PLA-RP50BA	PLA-RP60BA	PLA-RP71BA	PLA-RP71BA2	PLA-RP100BA	PLA-RP100BA3	PLA-RP125BA	PLA-RP125BA2	PLA-RP140BA2			
Outdoor Unit		PUHZ-RP35VHA4	PUHZ-RP50VHA4	PUHZ-RP60VHA4	PUHZ-RP71VHA4	PUHZ-RP71VHA4	PUHZ-RP100VKA(YKA)	PUHZ-RP100VKA(YKA)	PUHZ-RP125VKA(YKA)	PUHZ-RP125VKA(YKA)	PUHZ-RP140VKA(YKA)			
Power Supply	Source	Outdoor power supply												
	Outdoor (V/Phase/Hz)	VHA • VKA:230 / Single / 50, YKA:400 / Three / 50												
	Indoor (V/Phase/Hz)	-												
Cooling	Capacity	Rated	kW 3.6	5.0	6.0	7.1	7.1	10.0	10.0	12.5	12.5	14.0		
	Total Input	Rated	kW 1.6 - 4.5	2.3 - 5.6	2.7 - 6.7	3.3 - 8.1	3.3 - 8.1	4.9 - 11.4	4.9 - 11.4	5.5 - 14.0	5.5 - 14.0	6.2 - 15.3		
	EER	Rated	kW 1.070	1.550	1.600	2.090	1.900	2.650	2.390	3.830	3.670	4.360		
Heating	Capacity	Rated	kW 4.1	6.0	7.0	8.0	8.0	11.2	11.2	14.0	14.0	16.0		
	Total Input	Rated	kW 1.6 - 5.2	2.5 - 7.3	2.8 - 8.2	3.5 - 10.2	3.5 - 10.2	4.5 - 14.0	4.5 - 14.0	5.0 - 16.0	5.0 - 16.0	5.7 - 18.0		
	COP	Rated	kW 3.66	3.61	3.85	3.72	4.21	4.01	4.61	3.63	4.00	3.70		
Operating Current (max)			13.2	13.4	19.4	19.5	19.5	27.4(8.9)	27.5(9.0)	27.5(10.5)	27.5(10.5)	29.1(12.1)		
Indoor Unit	Input	Rated	kW 0.030	0.050	0.050	0.070	0.070	0.140	0.140	0.150	0.150	0.160		
	Operating Current (max)		A 0.22	0.36	0.36	0.51	0.51	0.94	1.00	1.00	1.00	1.07		
	Dimensions	H x W x D	mm	258 - 840 - 840										
	Weight		kg	22	22	23	23	25	26	25	27	27		
	Air Volume [Lo-Mi2-Mi1-Hi]		m³/min	11.0 - 12.0 - 13.0 - 15.0	12.0 - 14.0 - 16.0 - 18.0	12.0 - 14.0 - 16.0 - 18.0	14.0 - 16.0 - 18.0 - 21.0	14.0 - 16.0 - 18.0 - 21.0	20.0 - 23.0 - 26.0 - 30.0	20.0 - 23.0 - 26.0 - 30.0	22.0 - 25.0 - 28.0 - 31.0	24.0 - 26.0 - 29.0 - 32.0		
	External Static Pressure		Pa	-										
	Sound Level [Lo-Mi2-Mi1-Hi]		dB(A)	27 - 28 - 29 - 31	28 - 29 - 31 - 32	28 - 29 - 31 - 32	28 - 30 - 32 - 34	28 - 30 - 32 - 34	32 - 34 - 37 - 40	32 - 34 - 37 - 40	34 - 36 - 39 - 41	36 - 39 - 42 - 44		
	Breaker Size		A	-										
	Dimensions	H x W x D	mm	35 - 950 - 950	35 - 950 - 950	35 - 950 - 950	35 - 950 - 950	35 - 950 - 950	35 - 950 - 950	35 - 950 - 950	35 - 950 - 950	35 - 950 - 950	35 - 950 - 950	
	Weight		kg	6	6	6	6	6	6	6	6	6		
Outdoor Unit	Dimensions	H x W x D	mm	600 - 800 - 300(+23) 943 - 950 - 330(+30)										
	Weight		kg	42	42	67	67	116(124)	116(124)	116(126)	116(126)	118(132)		
	Air Volume	Cooling	Rated	m³/min 35.0	35.0	60.0	60.0	110.0	110.0	120.0	120.0	120.0		
	Heating	Rated	m³/min 35.0	35.0	60.0	60.0	110.0	110.0	120.0	120.0	120.0			
	Sound Level	Cooling - Silent	Rated	dB(A) 44 - 41	44 - 41	47 - 44	47 - 44	47 - 44	49 - 46	49 - 46	50 - 47	50 - 47		
	Heating	Rated	dB(A) 46	46	48	48	48	51	51	52	52			
	Operating Current (max)		A 13.0	13.0	19.0	19.0	19.0	26.5(8.0)	26.5(8.0)	26.5(9.5)	26.5(9.5)	28(11)		
	Breaker Size		A 16	16	25	25	25	32(16)	32(16)	32(16)	32(16)	40(16)		
	Diameter	Liquid / Gas	mm	6.35 / 12.7										
	Max. Length	Out-In	m	50	50	50	50	75	75	75	75	75		
Max. Height	Out-In	m	30	30	30	30	30	30	30	30	30			
Guaranteed Operating Range [Outdoor]		Cooling*1	°C	-11 ~ +21										
		Heating	°C	-20 ~ +21										

*1 With the optional Air Protection Guide, Operation at outdoor temperatures as low as -15°C is possible. *2 Eurovent application not filed.

PLZ-P SERIES
STANDARD INVERTER



Type		Inverter Heat Pump												
Indoor Unit		PLA-RP35BA	PLA-RP50BA	PLA-RP60BA	PLA-RP71BA	PLA-RP71BA2	PLA-RP100BA	PLA-RP100BA3	PLA-RP125BA	PLA-RP125BA2	PLA-RP140BA2			
Outdoor Unit		SUZ-KA35VA	SUZ-KA50VA	SUZ-KA60VA	SUZ-KA71VA	SUZ-KA71VA	PUHZ-P100VHA3	PUHZ-P100VHA3	PUHZ-P125VHA3	PUHZ-P125VHA3	PUHZ-P140VHA3			
Power Supply	Source	Outdoor power supply												
	Outdoor (V/Phase/Hz)	230 / Single / 50												
	Indoor (V/Phase/Hz)	-												
Cooling	Capacity	Rated	kW 3.5	5.0	5.7	7.1	7.1	9.4	9.4	12.3	12.3	13.6		
	Total Input	Rated	kW 1.0 - 3.9	1.1 - 5.6	1.1 - 6.3	0.9 - 8.1	0.9 - 8.1	4.9 - 11.2	4.9 - 11.2	5.5 - 14.0	5.5 - 14.0	5.5 - 15.0		
	EER	Rated	kW 1.090	1.780	2.530	2.474	2.474	3.120	3.120	4.090	4.090	5.210		
Heating	Capacity	Rated	kW 4.1	6.0	6.9	8.0	8.0	11.2	11.2	14.0	14.0	16.0		
	Total Input	Rated	kW 0.9 - 5.0	0.9 - 7.2	0.9 - 8.0	0.9 - 10.2	0.9 - 10.2	4.5 - 12.5	4.5 - 12.5	5.0 - 16.0	5.0 - 16.0	5.0 - 18.0		
	COP	Rated	kW 1.110	1.820	2.110	2.490	2.446	3.280	3.218	4.110	4.023	4.980		
Operating Current (max)			9.4	16.4	16.4	16.5	16.5	28.9	29.0	29.0	30.6	30.6		
Indoor Unit	Input	Rated	kW 0.030	0.050	0.050	0.070	0.070	0.140	0.140	0.150	0.150	0.160		
	Operating Current (max)		A 0.22	0.36	0.36	0.51	0.51	0.94	1.00	1.00	1.00	1.07		
	Dimensions	H x W x D	mm	258 - 840 - 840										
	Weight		kg	22	22	23	23	25	26	25	27	27		
	Air Volume [Lo-Mi2-Mi1-Hi]		m³/min	11.0 - 12.0 - 13.0 - 15.0	12.0 - 14.0 - 16.0 - 18.0	12.0 - 14.0 - 16.0 - 18.0	14.0 - 16.0 - 18.0 - 21.0	14.0 - 16.0 - 18.0 - 21.0	20.0 - 23.0 - 26.0 - 30.0	20.0 - 23.0 - 26.0 - 30.0	22.0 - 25.0 - 28.0 - 31.0	24.0 - 26.0 - 29.0 - 32.0		
	External Static Pressure		Pa	-										
	Sound Level [Lo-Mi2-Mi1-Hi]		dB(A)	27 - 28 - 29 - 31	28 - 29 - 31 - 32	28 - 29 - 31 - 32	28 - 30 - 32 - 34	28 - 30 - 32 - 34	32 - 34 - 37 - 40	32 - 34 - 37 - 40	34 - 36 - 39 - 41	36 - 39 - 42 - 44		
	Breaker Size		A	-										
	Dimensions	H x W x D	mm	35 - 950 - 950	35 - 950 - 950	35 - 950 - 950	35 - 950 - 950	35 - 950 - 950	35 - 950 - 950	35 - 950 - 950	35 - 950 - 950	35 - 950 - 950		
	Weight		kg	6	6	6	6	6	6	6	6	6		
Outdoor Unit	Dimensions	H x W x D	mm	550 - 800 - 285	850 - 840 - 330						943 - 950 - 330(+30)		1350 - 950 - 330(+30)	
	Weight		kg	37	53	53	58	58	75	75	99	99		
	Air Volume	Cooling	Rated	m³/min 33.4	49.0	49.0	49.0	49.0	60.0	60.0	100.0	100.0		
	Heating	Rated	m³/min 33.4	49.0	49.0	49.0	49.0	60.0	60.0	100.0	100.0			
	Sound Level	Cooling - Silent	Rated	dB(A) 47	53	53	53	53	50 - 47	50 - 47	51 - 48	51 - 48		
	Heating	Rated	dB(A) 48	55	55	55	55	54	54	55	55			
	Operating Current (max)		A 16.0	16.0	16.0	16.0	16.0	28.0	28.0	28.0	28.0	29.5		
	Breaker Size		A 10	20	20	20	20	32	32	32	32	40		
	Diameter	Liquid / Gas	mm	6.35 / 9.52 6.35 / 12.7 6.35 / 15.88										
	Max. Length	Out-In	m	20	30	30	30	30	50	50	50	50		
Max. Height	Out-In	m	12	30	30	30	30	30	30	30	30			
Guaranteed Operating Range [Outdoor]		Cooling*1	°C	-10 ~ +46										
		Heating	°C	-10 ~ +24										

*1 With the optional Air Protection Guide, Operation at outdoor temperatures as low as -15°C is possible. *2 Eurovent application not filed.

PLH-P SERIES
FIXED - SPEED



Type		Fixed - Speed							
Indoor Unit		PLA-RP71BA		PLA-RP100BA		PLA-RP125BA			
Outdoor Unit		PUH-P71VHA	PUH-P71YHA	PUH-P100VHA	PUH-P100YHA	PUH-P125VHA	PUH-P140YHA		
Power Supply	Source	Outdoor power supply							
	Outdoor (V/Phase/Hz)	VHA:230 / Single / 50, YHA:400 / Three / 50							
	Indoor (V/Phase/Hz)	-							
Cooling	Capacity	Rated	kW 8.0	8.0	10.0	10.0	12.3		
	Total Input	Rated	kW 2.830	2.830	3.530	3.530	4.360		
	EER	Rated	kW 2.83	2.83	2.83	2.83	2.82		
Heating	Capacity	Rated	kW 9.0	9.0	11.5	11.5	14.3		
	Total Input	Rated	kW 2.820	2.820	3.400	3.400	4.230		
	COP	Rated	kW 3.19	3.19	3.38	3.38	3.38		
Operating Current (max)			24.0	8.3	29.5	10.4	13.6		
Indoor Unit	Input	Rated	kW 0.070	0.070	0.140	0.140	0.150		
	Operating Current (max)		A 0.51	0.51	1.00	1.00	1.07		
	Dimensions	H x W x D	mm	258 - 840 - 840	258 - 840 - 840	298 - 840 - 840	298 - 840 - 840	298 - 840 - 840	
	Weight		kg	23	23	25	25		
	Air Volume [Lo-Mi2-Mi1-Hi]		m³/min	14.0 - 16.0 - 18.0 - 21.0	14.0 - 16.0 - 18.0 - 21.0	20.0 - 23.0 - 26.0 - 30.0	20.0 - 23.0 - 26.0 - 30.0	22.0 - 25.0 - 28.0 - 31.0	
	External Static Pressure		Pa	-					
	Sound Level [Lo-Mi2-Mi1-Hi]		dB(A)	28 - 30 - 32 - 34	28 - 30 - 32 - 34	32 - 34 - 37 - 40	32 - 34 - 37 - 40	34 - 36 - 39 - 41	
	Breaker Size		A	-					
	Dimensions	H x W x D	mm	35 - 950 - 950	35 - 950 - 950	35 - 950 - 950	35 - 950 - 950	35 - 950 - 950	
	Weight		kg	6	6	6	6	6	
Outdoor Unit	Dimensions	H x W x D	mm	943 - 950 - 330(+30)	943 - 950 - 330(+30)	943 - 950 - 330(+30)	943 - 950 - 330(+30)	1350 - 950 - 330(+30)	
	Weight		kg	93	93	94	94	131	
	Air Volume	Cooling	Rated	m³/min 55.0	55.0	65.0	65.0	100.0	
	Heating	Rated	m³/min 55.0	55.0	65.0	65.0	100.0		
	Sound Level	Cooling	Rated	dB(A) 49	49	50	50	51	
	Heating	Rated	dB(A) 50	50	52	52	53		
	Operating Current (max)		A 23.5	7.8	28.5	9.4	12.6		
	Breaker Size		A 32	16	32	16	25		
	Diameter	Liquid / Gas	mm	9.52 / 15.88					
	Max. Length	Out-In	m	50					
Max. Height	Out-In	m	50						
Guaranteed Operating Range [Outdoor]		Cooling*1	°C	-5 ~ +46					
		Heating	°C	-11 ~ +24					

*1 With the optional Air Protection Guide, Operation at outdoor temperatures as low as -15°C is possible. *2 Eurovent application not filed.

PL-P SERIES
FIXED - SPEED COOLING ONLY



Type		Fixed - Speed					
Indoor Unit		PLA-RP71BA		PLA-RP100BA		PLA-RP125BA	
Outdoor Unit		PU-P71VHA	PU-P71YHA	PU-P100VHA	PU-P100YHA	PU-P125VHA	PU-P140YHA
Power Supply	Source	Outdoor power supply					
	Outdoor (V/Phase/Hz)	VHA:230 / Single / 50, YHA:400 / Three / 50					
	Indoor (V/Phase/Hz)	-					
Cooling	Capacity	Rated	kW 8.0	8.0	10.0	10.0	12.3
	Total Input	Rated	kW 2.830	2.830	3.530	3.530	4.360
	EER						