

PEY-P SERIES

High cooling capacity models

Model name		Indoor Unit	PEY-P18JAG	PEY-P24JAG	PEY-P30JAG	PEY-P36JAG	PEY-P45JAG	PEY-P45JAG	PEY-P60GAG	PEY-P60GAG		
		Outdoor Unit	SUY-P18VA2-AE	SUY-P24VA2-AE	SUY-P30VA2-AE	SUY-P36VA2-AE	PUY-P45VKA2-AE	PUY-P45VKA2-AE	PUY-P60VKA2-AE	PUY-P60VKA2-AE		
Power supply (Outdoor)			1ph/ 220V-230V-240V	1ph/ 220V-230V-240V	1ph/ 220V-230V-240V	1ph/ 220V-230V-240V	1ph/ 220V-230V-240V	3ph/ 380V-400V-415V	1ph/ 220V-230V-240V	3ph/ 380V-400V-415V		
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A		
Cooling	Indoor Air volume (Lo-Shi)	m ³ /min	12.0-14.5-17.0	17.5-21.0-25.0	24.0-29.0-34.0	29.5-35.5-42.0	29.5-35.5-42.0	29.5-35.5-42.0	48.0-60.0	48.0-60.0		
			Capacity	kW	5.3	7.1	8.8	10.2	13.2	13.2	16.6	16.6
				Btu/h	18,084	24,225	30,026	34,802	45,038	45,038	56,639	56,639
			Total input	kW	1.56	2.02	2.52	3.00	4.50	4.50	6.90	6.90
	EER	Btu/h/W		11.59	11.99	11.91	11.6	10.01	10.01	8.21	8.21	
	Power factor (set)	%	94-94-93	94-93-94	95-94-94	94-93-93	96-95-95	85-83-82	94-94-93	91-90-89		
		T1	Capacity	kW	4.3	5.6	7.9	8.0	10.6	10.6	12.1	12.1
	Btu/h			14,672	19,107	26,955	27,296	36,167	36,167	41,285	41,285	
	Total input		kW	1.72	2.24	3.15	3.19	4.23	4.23	4.83	4.83	
			EER	Btu/h/W	8.55	8.55	8.55	8.55	8.55	8.55	8.55	8.55
	Power factor (set)	%	95-94-94	95-94-94	96-95-95	94-94-93	95-95-94	85-83-82	93-92-91	89-87-86		
		Ambient 48°C (tested 240V/415V)	Capacity	kW	4.3	5.5	7.6	7.9	9.9	10.2	10.9	10.8
Btu/h	14,603			18,981	26,024	27,054	33,933	34,680	37,263	36,898		
Total input	kW		1.68	2.19	2.88	3.00	3.74	3.76	4.40	4.34		
	EER		Btu/h/W	8.70	8.67	9.04	9.00	9.08	9.21	8.62	8.50	
Power factor (set)	%	93.5	98.6	98.4	98.5	98.4	82.8	98.7	86.2			
	Dimension	Indoor Unit	H*W*D	mm	250*900*732	250*1100*732	250*1400*732	250*1400*732	250*1400*732	400*1400*634	400*1400*634	
Outdoor Unit		H*W*D	mm	550*800*285	880*840*330	880*840*330	880*840*330	1338*1050*330	1338*1050*330	1338*1050*330		

* Unit is able to operate up to 52 deg C based on the testing condition of UAE SISO5151:2011.

High energy efficiency models

Model name		Indoor Unit	PEY-P18JAG	PEY-P24JAG	PEY-P30JAG	PEY-P36JAG	PEY-P45JAG	PEY-P60GAG		
		Outdoor Unit	SUY-ZP18VA-AE	SUY-ZP24VA-AE	SUY-ZP30VA-AE	SUY-ZP36VA-AE	PUY-ZP45VKA-AE	PUY-ZP60VKA-AE		
Power supply (Outdoor)			1ph/ 220V-230V-240V	1ph/ 220V-230V-240V	1ph/ 220V-230V-240V	1ph/ 220V-230V-240V	1ph/ 220V-230V-240V	1ph/ 220V-230V-240V		
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A		
Cooling	Indoor Air volume (Lo-Shi)	m ³ /min	12.0-14.5-17.0	17.5-21.0-25.0	24.0-29.0-34.0	29.5-35.5-42.0	29.5-35.5-42.0	48.0-60.0		
			Capacity	kW	4.9	6.9	8.6	8.6	10.6	12.1
				Btu/h	16,719	23,543	29,343	29,343	36,167	41,285
			Total input	kW	1.40	1.96	2.46	2.46	3.03	3.46
	EER	Btu/h/W		11.95	12.01	11.95	11.95	11.95	11.95	
	Power factor (set)	%	94-94-93	94-94-94	95-94-93	93-92-92	94-93-93	90-89-88		
		T1	Capacity	kW	4.3	5.6	7.9	8.0	10.6	12.1
	Btu/h			14,672	19,107	26,955	27,296	36,167	41,285	
	Total input		kW	1.72	2.24	3.15	3.19	4.23	4.83	
			EER	Btu/h/W	8.55	8.55	8.55	8.55	8.55	8.55
	Power factor (set)	%	95-94-94	95-94-94	96-95-95	94-94-93	95-95-94	93-92-91		
		Dimension	Indoor Unit	H*W*D	mm	250*900*732	250*1100*732	250*1400*732	250*1400*732	400*1400*634
Outdoor Unit	H*W*D		mm	550*800*285	880*840*330	880*840*330	880*840*330	1338*1050*330		

* Unit is able to operate up to 52 deg C based on the testing condition of UAE SISO5151:2011.

MITSUBISHI ELECTRIC CORPORATION

HEAD OFFICE: TOKYO BLDG., 2-7-3 MARUNOUCHI, CHIYODA-KU, TOKYO 100-8310, JAPAN
<http://Global.MitsubishiElectric.com/>



Mr. SLIM

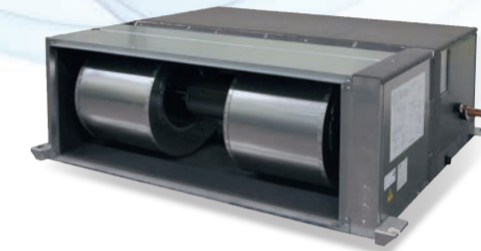
Changes for the Better

Mitsubishi
MElectric
Quality

New R410 Refrigerant Inverter



PEY-P18/24/30/36/45JAG



PEY-P60GAG



SUY-P18VA2, SUY-ZP18VA2



SUY-P24/30/36VA2, SUY-ZP24/30/36VA2



PUY-P45/60V(Y)KA2, PUY-ZP45/60VKA2

Highlighting Four Features

- 1 Inverter Technologies
- 2 Added P60 to the lineup
- 3 High EER
- 4 Operating at high temperatures(52°C)

for a greener tomorrow



New Outdoor Unit

Inverter technologies

INVERTERS – HOW THEY WORK

Inverters electronically control the electrical voltage, current and frequency of electrical devices such as the compressor motor in an air conditioner. They receive information from sensors monitoring operating conditions and adjust the rotation speed of the compressor, which directly regulates air conditioner output. Optimum control of operation frequency results in eliminating the consumption of excessive electricity and providing the most comfortable room environment.

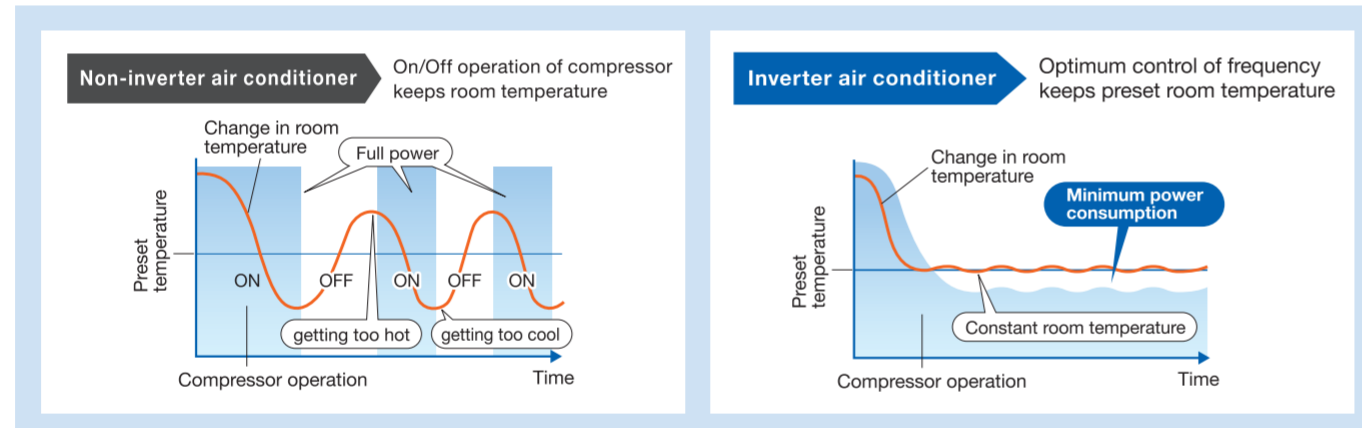
ECONOMIC OPERATION

Impressively low operating cost is a key advantage of inverter air conditioners. We've combined advanced inverter technologies with cutting-edge electronic and mechanical technologies to achieve a synergistic effect that enables improvements in cooling performance efficiency. Better performance and lower energy consumption are the result.

TRUE COMFORT

Below is a simple comparison of air conditioner operation control with and without an inverter.

■ Inverter operation comparison



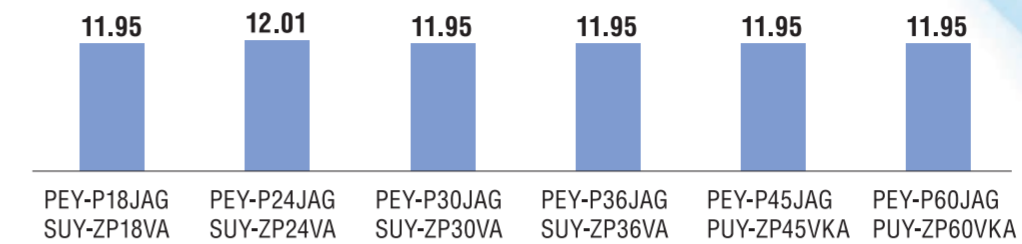
The compressors of air conditioners without an inverter start and stop repeatedly in order to maintain the preset room temperature. This repetitive on/off operation uses excessive electricity and compromises room comfort. The compressors of air conditioners equipped with an inverter run continuously; the inverter quickly optimizing the operating frequency according to changes in room temperature. This ensures energy-efficient operation and a more comfortable room.

New lineup of 60,000Btu/h

60,000Btu/h has been newly introduced. The diverse selection enables the best solution for both customer and location.

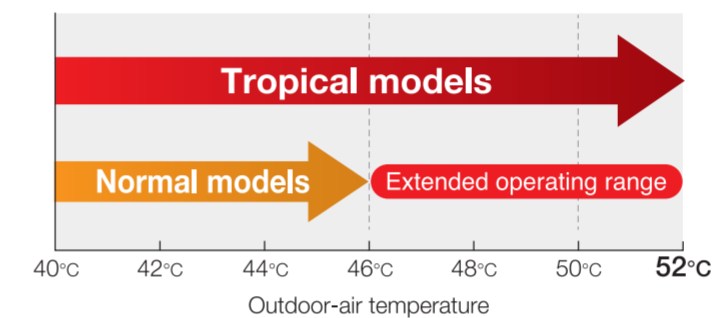
	18,000Btu/h	24,000Btu/h	30,000Btu/h	36,000Btu/h	45,000Btu/h	60,000Btu/h
SUY/PUY-P	✓	✓	✓	✓	✓	✓
SUY/PUY-ZP	✓	✓	✓	✓	✓	✓

■ High EER



The new models have high EERs, which contribute to reducing energy consumption over a wide range of operating capacity.

Operating at high temperature(52°C)



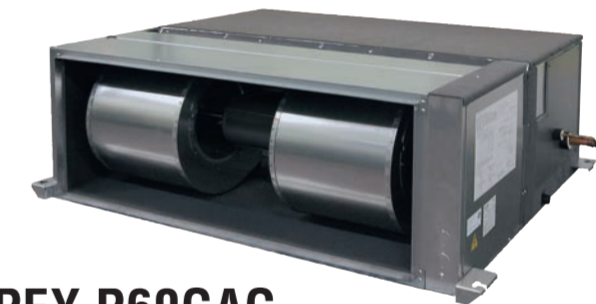
Mitsubishi Electric introduces a new tropical specifications series. New technologies which are used for the component of air-conditioners ~a key component of air-conditioners~ has made it possible for units to operate at outdoor-air temperatures as high as 52°C. The new tropical Specification series units are perfect for cooling homes in tropical regions.

New Indoor Unit



PEY-P18/24/30/36/45JAG

The thin, ceiling-concealed indoor units of PEY-P-JAG are the perfect answer for the air conditioning requirements of buildings with minimum ceiling installation space and wide-ranging external static pressure. Energy-saving efficiency has been improved, thereby reducing electricity consumption and contributing to a further reduction in operating cost.



PEY-P60GAG

For elegance and style, PEY-P-GAG complements the room environment with an aesthetically pleasing ceiling installation and a vast line-up of performance functions.

Wide Selection of Fan Speeds and External Static Pressure

Five-stage external static pressure conversions and three fan speed selections are available. Capable of being set to a maximum of 150Pa*, units are applicable to a wide range of building types.

*PEY-60GAG

■ External static pressure setting

PEY-P18/24/30/36/45JAG	35/50/70/100/125Pa
PEY-P60GAG	60/75/100/150Pa

■ Flexible duct design

