Warm, even heat in winter and pleasantly cool air in summer is only a phone call or click away

Simply contact your nearest Mitsubishi Electric Specialist today and you can find out all there is to know about how to enhance your living environment. Our Specialists are fully qualified to give you all the right advice on which Mitsubishi Electric Ducted Air Conditioning System is right for you.

To locate your nearest Mitsubishi Electric Specialist go to our website

www.mitsubishielectric.com.au

or contact the

Diamond Dealer Call Centre 1300 722 228

They will determine whether a Power Inverter or a Commercial Power Inverter System best suits your needs, both in comfort and efficiency. You can either visit one of our Specialist's Showrooms, or they will happily arrange for one of their Consultants to come to your home.

All Mitsubishi Electric Power Inverter and Commercial Power Inverter Systems are MEPS (Minimum Efficiency Performance Standard) Compliant, so you can be sure that they will give you the performance and efficiency that they were designed to deliver.

NOTE FOR SOUTH AUSTRALIAN CUSTOMERS: Certain models featured in this brochure may not be available for sale in South Australia. For confirmation of model availability or alternatives, contact your Mitsubishi Electric Specialist Dealer.

Products in this brochure contain R410A refrigerant. Please refer to installation instructions before installation or servicing of this product.

Only licensed persons and companies qualified and experienced in the installation, service and repair of products containing refrigerants should be permitted to do so. The buyer must ensure that the person and/or company who is to install, service or repair the air conditioner has the necessary licences, qualifications and experience to perform the work. Suitable access for warranty and service is required. Refer to conditions of warranty on the Mitsubishi Electric website.

For future improvement, specifications, designs of product and availability are subject to change without notice. Please check with your dealer.

MEPS COMPLIANT – MINIMUM EFFICIENCY PERFORMANCE STANDARD

ISO 9001 BUREAU VERITAS Certification – Certificate Number 49385

ISO 14001 JACO – Certificate Number EC97J1132

Mitsubishi Electric Shizuoka Works acquired ISO9001 certification under Series 9000 of the International Standard Organization (ISO) based on a review of Quality warranties for the production of air conditioning equipment. The plant also acquired environmental management system standard ISO 14001 certification.

MITSUBISHI ELECTRIC QUALITY – LABOUR 5 COMPRESSOR 5 PARTS 5 – FIVE YEAR WARRANTY • FOR PEACE OF MIND

MITSUBISHI ELECTRIC CORPORATION
HEAD OFFICE: TOKYO BLDG., 2-7-3, MARUNOUCHI, CHIYODA-KU, TOKYO 100-8310, JAPAN

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Specifications subject to change without notice.

MITSUBISHI ELECTRIC
AIR CONDITIONING SYSTEMS

Changes for the Better

Mitsubishi Electric Quality

Enhance your living environment with

Mitsubishi Electric Air Conditioning Systems

NEW RELEASE Single Phase 17kW Power Inverter

The Mitsubishi Electric Story

Mitsubishi Electric have a proud history in the manufacturing and supply of leading edge electrical and electronic equipment for both domestic and commercial use. Our efforts to make indoor life more comfortable began in 1921, with the introduction of our first electric fan which became an instant hit. Some 10 years later we began to manufacture coolers, which were just as popular.

Since then our understanding that technology is the driving factor of change in our lives has seen us become a world leader in energy efficient air conditioning systems. However our development of breakthrough technologies and products is not just restricted to heating and cooling.

Since 1980 to the present day the pace at which Mitsubishi Electric has introduced and refined products that benefit society, industry and individuals, has been nothing less than astonishing.

These technologies include the world's first large scale LED Screen for sports arenas, the world's largest CRT television screen for the consumer market, the world's first spiral escalator, the world's fastest elevators, the antenna technology behind the world's first in-flight internet service, solar cell technology and much more.Today Mitsubishi Electric is a global giant with operations in over 35 countries, with more than 97,000 employees.

Our commitment to quality service, research and development has helped us gain a leading position in today's marketplace in a wide variety of areas including heating, cooling and air conditioning. Mitsubishi Electric's *'today technology'* provides climate controlled comfort wherever you live, work and relax.

Whether it's consistent heating and cooling for the home or office, Mitsubishi Electric offers you state-of-the-art technology that is quiet, simple to use, reliable and above all, energy efficient.

Our commitment to quality, service, research and development has helped us gain a leading position in today's marketplace.

Our advanced control technology means controlling your comfort is easy

Our state of the art Controller allows you to get the most out of your Mitsubishi Electric Ducted Air Conditioning System.

Take Control At Your Fingertips

Simply open the front panel and total control of your comfort is there at the touch of a button. From temperature control to automatic stop/start on a daily or weekly basis, it's all there at your fingertips.

Easy Operation

Full dot backlit LCD makes it easy to see and control units. The large type in the full dot Liquid Crystal Display allows the status of your system to be viewed at a glance, day or night.

While most remote controls can be confusing our control has been specifically designed to be more user friendly.

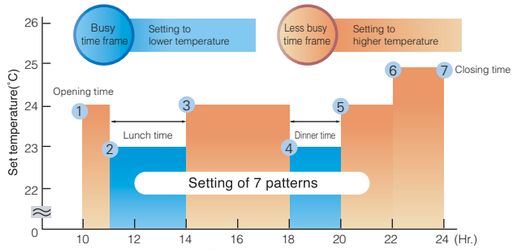
The Slimline styling has been designed to fit unobtrusively with any décor.

Effective Energy Saving Control

Limiting the set temperature range

Setting upper and lower temperature limits prevents the unit from excessive heating and cooling, thereby saving energy further and reducing your power bill.

Setting Example (Restaurant in summer time)



*Result of cooperative study with Japan Facility Solution Co, Ltd.

Setting the temperature to "1°C higher in cooling" while "1°C lower in heating" results in about 10% energy saving.

about 10%* Energy Saving

*Based on our internal calculation

New MA Remote Controller PAR - 30MAA

Industry First! Multi-language Display

1st in the Industry!

To aid communication today's multicultural society, the control can be switched to 8 different languages.

Operation Lock

The operation of all buttons on the control can be locked. This stops little children or any unauthorised person changing temperatures or settings that may in turn waste valuable energy and increase running costs.

Weekly Timer

The Weekly Timer allows you to programme the unit with up to 8 different automatic On/Off and Temperature changes per day, 7 days in advance, which means your home or office can be at the optimum temperature whenever required.

Versatility Is The Key To Comfort Control

To allow you climate control of your home or office a number of Control System options are available. Three of the most popular are:

- Locating the System Control Unit in a central position, typically near the return air grille.
- Multiple Control Units, either fixed or Infra red, positioned in different rooms, each of which can control your system.
- Multiple Systems controlled by their individual Control Units or via one Central System Control which can be operated locally or "dialled into" through the World Wide Web, allowing you control of your system from anywhere in the world.

Higher performance, lower power consumption and longer life

When it comes to comfort, efficiency and durability, Mitsubishi Electric has a distinct advantage over the opposition, we call it MEQ – Mitsubishi Electric Quality. Simply put it is a superior standard that we apply to our own business. While other systems may meet stringent industry standards, Mitsubishi Electric continually strives to exceed them. MEQ delivers air conditioning systems at the leading edge of technology that operate efficiently in extreme weather conditions, year in, year out.

MEQ Gives Us 3 Important Advantages:

Comfort

We have created products that are designed to provide you with exceptional comfort in your surroundings, in all weather conditions.

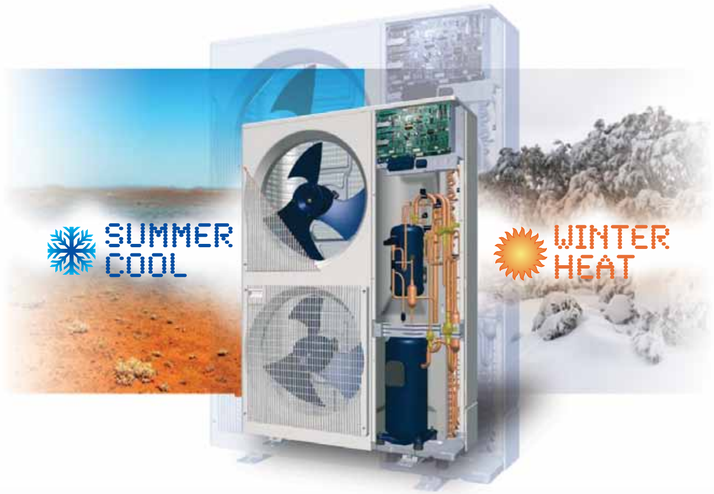
Efficiency

We strive for the perfect balance of performance, reliability, low power consumption and a long operational life span for all our products. The result is an air conditioning range that is rated amongst the best in the industry in terms of design, quality and energy efficiency.

Durability

We subject the indoor and outdoor units of all our systems to rigorous durability testing, which includes harsher temperature extremes than are likely to be found anywhere in the world. This allows us to produce higher quality products that protect your investment through years of reliable service.

Mitsubishi Electric Quality



MITSUBISHI ELECTRIC

AIR CONDITIONING SYSTEMS

Power Inverter

The Advanced Technology in Mitsubishi Electric's Power Inverter makes it the perfect solution for today's diversified Residential and Commercial requirements. For homes, or small to medium size offices, our Power Inverter Ducted System gives you cost effective climate control for both heating and cooling. Technological advances have increased output and efficiency, allowing you to reach and maintain your chosen temperature faster, without fluctuations, while using less energy. The Power Inverter is smaller and lighter, making handling and installation easier which gives you more flexibility in your choice of location.

Model Size	71	100	125	140	170	200	250
Power Inverter/Commercial Power Inverter	PUHZ-RP						
Single Phase	•	•	•	•	•		
Three Phase		•	•	•	•	•	•

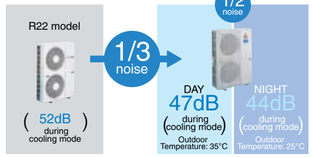
Quiet Operation

The Power Inverter operates at noise levels that are at the leading edge of Industry Standards.

Longer Maximum Piping Length

The new technology has also made it possible to pipe refrigerant up to 75 metres from the Inverter to the concealed Indoor Fan Coil Unit, giving you more choice and versatility in the layout of your Ducted System and positioning your Outdoor Unit.

Flexibility in Layout Planning is further enhanced by the integration of the Power Inverter outdoor units and our range of Concealed Indoor Units.



Concealed Indoor Unit

Mitsubishi Electric's range of Concealed Indoor Units are versatile and easy to install even where roof or under floor space is limited.

High Output Fan Capability

Even when the ductwork is very long, the volume of airflow remains consistent due to the high static pressure available from the fan coil unit's multiple speed fan motor.

Computerised Dehumidification

This feature allows you to reduce the humidity inside your home keeping you comfortable in all seasons.

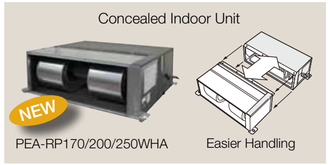
Model Size	R410A	
	Inverter (PUHZ-RP)	
	Normal	Low Noise Mode
71	47	44
100	49	46
125	50	47
140	50	48

*Sound pressure level (dBA)

Commercial Power Inverter

Ideal for larger homes or medium to large offices, the Mitsubishi Electric Commercial Power Inverter boasts all of the technological advances of the Power Inverter with a number of design features that further reduce power consumption and make it ideally suited to commercial applications, including the ability to disassemble the indoor unit for easier installation.

Power Inverter/ Commercial Power Inverter	Max Height Difference	Max Piping Length
PUHZ-RP71VHA3	30	50
PUHZ-RP100,125,140VHA2/ YHA2	30	75
PUHZ-RP170VKA/YKA	30	75
PUHZ-RP200YKA	30	75
PUHZ-RP250YHM-A	30	75



Quiet Operation

Improvements to the design of the dual fan blades and a new grille and casing shape deliver operating noise levels that are the best in the industry. A Low Noise Priority function is also available, where the noise of the outdoor unit can be reduced via a switch or time clock.

Longer Maximum Piping Length

The Commercial Power Inverter can pipe refrigerant up to 75 metres to the concealed ceiling unit, further adding to it's versatility and efficiency in getting airflow to where it is most effective.

Concealed Ducted Power Inverter – Indoor Units

Indoor unit		PEA-RP71EA		PEA-RP100EA2		PEA-RP125EA		PEA-RP140EA2	
Outdoor unit		PUHZ-RP71VHA3		PUHZ-RP100V/YHA2		PUHZ-RP125/YHA2		PUHZ-RP140V/YHA2	
Function		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity Rated	kW	7.1 (3.3-8.1)	8.4 (3.5-10.2)	10 (4.9-11.4)	11.2 (4.5-14.0)	12.5 (5.5-14.0)	14 (5.0-16.0)	14 (5.5-15.3)	16 (5.0-18.0)
Capacity (min-max)	kW								
Input	kW	2.48	2.51	3.26	3.2	4.42	4.22	5.03	4.51
EER Rated	COP	2.86	3.35	3.08	3.50	2.83	3.32	2.78	3.55

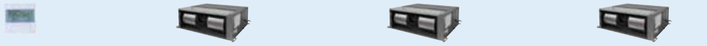
Indoor unit		PEA-RP71EA	PEA-RP100EA2	PEA-RP125EA	PEA-RP140EA2
Power supply		Single phase, 50Hz, 220-240V			
Airflow (Lo-Hi)	L/S	367-450	450-567	567-700	800-1000
Ext static pressure	Pa	125	125	125	125
Sound pressure level	dB(A)	52-55	54-58	54-58	51-55
Dimensions	Height (mm)	428	428	428	428
	Width (mm)	785	1,055	1,255	1,415
	Depth (mm)	690	690	690	690
Weight	kg	46	59	72	76

Power Inverter – Outdoor Units

Outdoor unit		PUHZ-RP71VHA3	PUHZ-RP100V/YHA2	PUHZ-RP125V/YHA2	PUHZ-RP140V/YHA2
External finish		Munsell 3Y 7.8/1.1			
Power supply		V: Single phase, 50Hz, 220-240v Y: Three phase, 50 Hz, 380-415V			
Compressor output	kW	1.6	1.9	2.4	2.9
Airflow	L/S	920	1670	1670	1670
Sound pressure level (dB)	Cooling mode	47	49	50	50
	Silent mode	44	46	47	48
	Heating mode	48	51	52	52
Sound power level	dB(A)	66	69	70	71
	Height (mm)	943	1350	1350	1350
Dimensions	Width (mm)	950	950	950	950
	Depth (mm)	330+30	330+30	330+30	330+30
Weight	kg	75	121	116	116
Chargeless piping length	m	30	30	30	30
Max piping length	m	50	75	75	75
Protection device		Discharge thermo, HP switch			
Rated running current	Amps	8.04/9.74	V:12.53/12.39 Y:4.08/4.03	V:15.53/15.98 Y:5.04/5.20	V:19.65/19.92 Y:6.37/6.46
Breaker size	Amps	25	V:32 Y:16	V:32 Y:16	V:40 Y:16

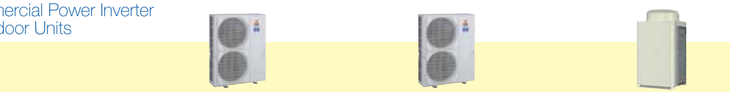
Commercial Power Inverter – Indoor Units

Indoor unit		PEA-RP170WHA	PEA-RP200WHA	PEA-RP250WHA
Outdoor unit		PUHZ-RP170V/YKA	PUHZ-RP200YKA	PUHZ-RP250YHM-A
Function		Cooling / Heating	Cooling / Heating	Cooling / Heating
Capacity Rated	kW	17.0 (9.0-20.0) / 20.0 (9.5-22.4)	18.9 (9.0-22.4) / 22.4 (9.5-25.0)	22.0 (11.2-27.0) / 25.0 (12.5-29.0)
Capacity (min-max)	kW			
Input	kW	5.48 / 6.0	5.92 / 6.89	7.21 / 8.06
EER Rated	COP	3.10 / 3.33	3.19 / 3.25	3.05 / 3.10



Indoor unit		PEA-RP170WHA	PEA-RP200WHA	PEA-RP250WHA
Power supply		V: Single phase, 50Hz, 220-240V Y: Three phase, 50Hz, 380-415V		
Airflow (Lo-Hi)	L/S	839-1200		967-1400
Ext static pressure	Pa	60-150		60-150
Sound pressure level	dB(A)	35-41		37-43
Dimensions	Height (mm)	470		470
	Width (mm)	1,370		1,370
	Depth (mm)	1,120		1,120
Weight	kg	108		108

Commercial Power Inverter – Outdoor Units



Outdoor unit		PUHZ-RP170V/YKA	PUHZ-RP200YKA	PUHZ-RP250YHM-A
External finish		Munsell 3Y 7.8/1.1		Munsell 5Y 8/1
Power supply		V: Single phase, 50Hz, 220-240V Y: Three phase, 50 Hz, 380-415V		
Compressor output	kW	3.0	3.6	6.7
Airflow	L/S	2330		3083
Sound pressure level (dB)	Cooling mode	58		58
	Silent mode	56		-
	Heating mode	50		58
Sound power level	dB(A)	76		-
	Height (mm)	1338		1650
Dimensions	Width (mm)	1050		920
	Depth (mm)	330+30		760
Weight	kg	V: 127 Y:131	136	200
Chargeless piping length	m	30		7.5
Max piping length	m	75		75
Protection device		Discharge thermo, HP switch		
Rated running current	Amps	V: 23.8/24.8 Y:8.0/8.8	8.7/10.2	10.54/11.80
Breaker size	Amps	V: 40 Y:32	32	32

Guaranteed Operating Range

		SUZ-KA		PUHZ	PUHZ
		25/35	50/60/71	71/100/125/140/170/200	250
Cooling	Upper limit	46°C	43°C	46°C	43°C
	Lower limit	-10°C	-15°C	-5°C (-15°C*1)	-5°C
Heating	Upper limit	24°C	24°C	21°C	21°C
	Lower limit	-15°C	-10°C	-20°C*2	-11°C

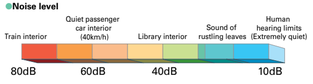
*1 With the optional air outlet guide, the operation at-15°C outdoor temperature is possible. *2 -11°C for PUHZ-RP71.

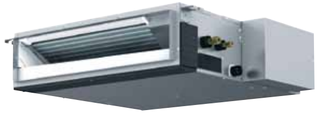
Concealed Bulkhead

Ideal for apartments or offices where ceiling access is not available for ducting, the ceiling concealed model compresses installation space to just 200 mm in height when using the new KD series. The KD series offers higher static pressure (50Pa) that with careful design will enable it to be ducted to a limited number of outlets. You also have the choice of either hard wired control panel (VA) or infra red remote control (VAL).

Quiet Operation

When operating at full capacity the Bulkhead Unit generates just 28dB of sound, so other than feeling the benefit of the even temperature that it delivers, you would hardly know that it is operating.





SEZ-KD35/50/60/71VA (L)

Specification Chart Concealed Bulkhead

Indoor unit*1		SEZ-KD25VA (L)		SEZ-KD35VA (L)		SEZ-KD50VA (L)		SEZ-KD60VA (L)		SEZ-KD71VA (L)	
Outdoor unit		SUZ-KA25VA2		SUZ-KA35VA2		SUZ-KA50VA2		SUZ-KA60VA2		SUZ-KA71VA2	
Function		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity (min-max)	kW	2.5 (0.9 - 3.2)	3.0 (0.9 - 4.5)	3.7 (1.0 - 3.9)	4.2 (0.9 - 5.0)	5.1 (1.1- 5.6)	6.4 (1.1 - 7.2)	5.6 (1.1 - 6.3)	7.4 (0.9 - 8.0)	7.1 (0.9 - 8.3)	8.1 (0.9 -10.4)
Input	kW	0.75	0.83	1.09	1.13	1.64	1.81	1.86	2.11	2.30	2.18
EER Rated	COP	3.33	3.61	3.39	3.72	3.11	3.54	3.01	3.51	3.01	3.72
Indoor unit*1		SEZ-KD25VA/VAL		SEZ-KD35VA/VAL		SEZ-KD50VA/VAL		SEZ-KD60VA/VAL		SEZ-KD71VA/VAL	
Power supply		Single phase, 50Hz, 220-240V									
Airflow (Lo-Med-Hi)	L/S	92-1 17-150		117-150-183		167-208-250		200-250-300		200-267-333	
Ext static pressure	Pa	5-15-35-50									
Sound pressure level (Low-Mid-High)	dB(A)	23-26-30		23-28-33		30-34-37		30-34-38		30-35-40	
Dimensions	Height (mm)	200		200				200			
	Width (mm)	700		900				1,100			
	Depth (mm)	700		700				700			
Weight	kg	18		21		23		27			

Specification Chart Outdoor Bulkhead Units

Outdoor unit		SUZ-KA25VA2	SUZ-KA35VA2	SUZ-KA50VA2	SUZ-KA60VA2	SUZ-KA71VA2
External finish		Munsell 3Y 7.8/1.1				
Power supply		Single phase, 50Hz, 220-240V				
Compressor output	kW	0.55	0.65	0.85		1.2
Airflow	L/S	568/534	551	818		835/800
Sound pressure level	Cooling mode	46	47	53		55
	Heating mode	46	48	55		55
Sound power level	dB(A)	59	61	68		69
Dimensions	Height (mm)	550		850		880
	Width (mm)	800		840		840
	Depth (mm)	285		330		830
Weight	kg	33	37	53		
Chargeless piping length	m	7				
Max piping length	m	20		30		
Breaker size	Amps	10		20		

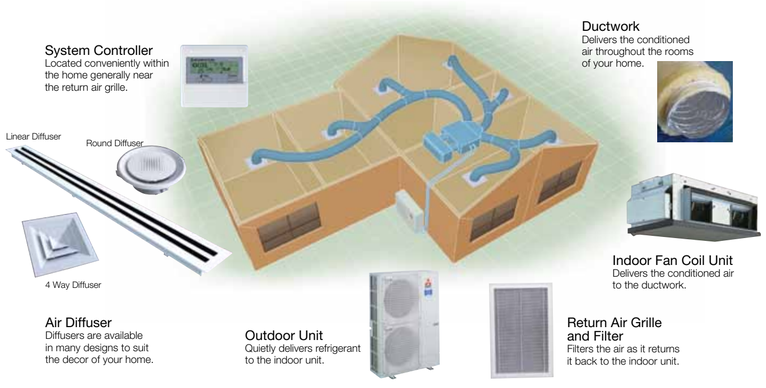
*1 SEZ-KD models available with wireless remote controller.

To enhance your living environment has to be the ultimate in comfort

With Mitsubishi Electric Ducted Inverter Systems, climate control is at the touch of a button. Warm even heat during Winter and clean cool air during Summer. Our Ducted Systems are ideal for multiple room applications and can incorporate zone selection if required.

The Outdoor Inverter Unit that provides the power, is positioned outside your home, while the Indoor Fan Coil Unit is positioned out of sight in either the ceiling void, or under the floor. Cool or warm air is then ducted quietly into each room through visually appealing Air Diffusers positioned in the ceiling, wall or floor. Warm or cool air is then filtered and returned to the Indoor Fan Coil Unit through the Return Air Grille.

The system is easily operated via a wall mounted LCD Control Panel.



Mitsubishi Electric's Ducted Inverter Technology gives you the edge

Mitsubishi Electric's Advanced Technology Inverter Systems are more economical and efficient than conventional systems.

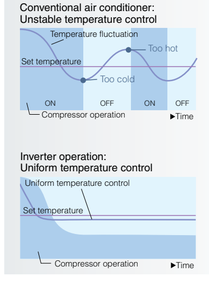
Conventional non-inverter systems run at a fixed speed. To maintain a set temperature the compressor switches on/off so room temperatures continually fluctuate, falling, rising and falling again.

To overcome this problem Mitsubishi Electric's advanced inverter technology gently increases or decreases power to suit the prevailing conditions reaching the desired temperature quicker, more efficiently without severe temperature fluctuations.

The resulting reduction in electricity consumption by our energy saving technology not only saves you money but also reduces your carbon footprint on the environment.

Mitsubishi Electric's Outdoor Inverter units have been aesthetically designed to minimise their visual impact on your environment.

Each contains a number of innovative features that makes them quieter, more energy efficient and reliable, placing them at the cutting edge in the industry.



Reducing Energy Consumption

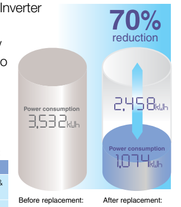
Cost performance comparison Inverter model vs. non-Inverter model:

Thanks to the new Inverter System, a large reduction in power consumption is now possible.

This results in one of the highest COP* (Co-efficient of Performance) ratings in the industry, helping to lower overall running costs and provide greater savings.

Case Study 1– Power Consumption

Based on our calculations on the operating conditions shown below, the new Inverter System can reduce power consumption by up to 70% compared to an old model installed 8 years ago.



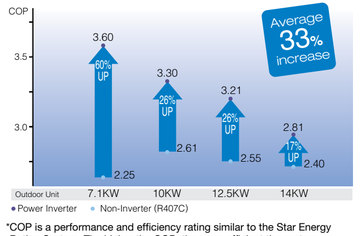
Conditions of trial calculation
(according to Japan Refrigerant Association)

Place	Office in Tokyo (Japan)
Operating time	8AM to 8PM (12 hours/day) & 6 days/week
Operating period	Cooling: April 16-November 8 Heating: December 14-March 23
Set temperature	Cooling: 27°C, Heating: 20°C

Before replacement: Installed 8 years ago	After replacement: Power Inverter
Model name	Model name
PLH-3GKHB/ PUH-3YKA	PLA-RP71AA/ PUHZ-RP71VHA

Case Study 2 – COP*

Comparison of COP between non-Inverter and Power Inverter (4 way cassette type) models.



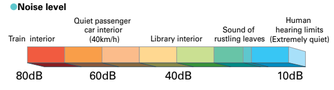
*COP is a performance and efficiency rating similar to the Star Energy Rating System. The higher the COP, the more efficient the system.

Quiet Operation

Improvements in the design of our fan blades combined with a new grille shape has seen us become No 1 in the industry.

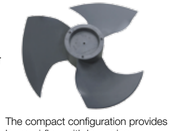
The outdoor unit is even quieter when the outside temperatures drops, as it automatically switches to low noise mode which reduces it's operating noise by a further 3dB.

*AT OUTDOOR TEMPERATURE OF 25ºC



DC Fan Motor

A highly efficient DC Motor drives the fan of the outdoor unit, offering up to 60% greater efficiency than the equivalent AC Motor.



The compact configuration provides larger airflow with low noise.

Peace of Mind

All Mitsubishi Electric air conditioners used in residential applications are covered by a full 5 year parts and labour warranty.

Mitsubishi Electric air conditioners have been designed and built to deliver optimum performance year in year out.