MITSUBISHI ELECTRIC

Changes for the Better

Mitsubishi Electric Quality

VOTED BY CONSUMERS
Reader's Digest
TRUSTED BRAND 2018
GOLD
20th ANNIVERSARY
SINGAPORE
Past Awards
Reader's Digest SuperBrand & TrustedBrand (Asia or Singapore)
2003 – 2018

Mitsubishi Electric starMEX Air-Conditioner

The No.1 Specialist in Energy Saving

At the leading-edge of air conditioning technology

EXCELLENT Energy Savings

EASY To Clean!
Easily accessible Inner vent

QUIETEST 19dB

Dual Barrier coating

SAVE R410A OZONE

Inverter Series
Mr.SLIM
R410A

PM2.5 Filter
Cleaner Air
up to 99% PM2.5 particles filtered

Model	Annual Energy Cost	Annual Energy Consumption
MSY-GE10VNA	$257	952kWh
MSY-GE13VNA	$462	1711kWh
MSY-GE16VNA	$635	2354kWh
MSY-GE18VNA	$683	2529kWh
MSY-GE22VNA	$754	2792kWh
MSY-GE25VNA	$963	3568kWh

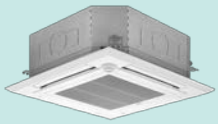
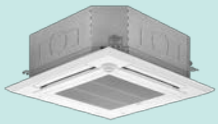
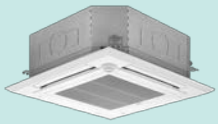
MITSUBISHI ELECTRIC

Your Life, Our Technology – The Comfort Connection.

As everyone knows, nothing compares to the comfort that nature has to provide. However, thanks to its many technical refinements, Mitsubishi Electric's air conditioners bring you closer to this ideal. Improved EER (Energy Efficiency Ratio) levels significantly reduce energy consumption while extremely quiet operation and the use of the Eco-friendly R410A refrigerant allow our series to create a naturally serene environment in every room of the house.

Technology and quality make the difference.

To create a better product that is friendly to both you and the environment, Mitsubishi Electric now utilises a new type of refrigerant called R410A. With an ozone depletion potential factor of zero, exceptionally non-toxicity, and chemically stable noninflammability, this refrigerant exemplifies the quality that our air conditioners have to offer.

Mr.SLIM Inverter Single Split	Type				
	Model	Refrigerant	Connectable Indoor Units	Page	Energy labelling scheme
SUY-ZP50VA	DC Inverter	SAVE R410A OZONE	PLY-ZP50EA 	33	
SUY-KA50VA			PEY-P50JAL	34	
SUY-KA60VA	DC Inverter	SAVE R410A OZONE	PLY-P60EA	33	
			PEY-P60JAL	34	
SUY-KA80VA	DC Inverter	SAVE R410A OZONE	PLY-P80EA 	33	
			PEY-P80JAL	34	
SUY-KA100VA	DC Inverter	SAVE R410A OZONE	PLY-P100EA	33	
			PEY-P100JAL	34	
PUY-P125VKA	DC Inverter	SAVE R410A OZONE	PLY-P125EA 	33	
			PEY-P125JAL	34	

Conversion formula: Btu/h=kW X 3412

Mr.SLIM Inverter Single Split	Type				
	Model	Refrigerant	Connectable Indoor Units	Page	Energy labelling scheme
SUY-KA18VA	DC Inverter	SAVE R410A OZONE	PCY-P18KA	35	
SUY-KA24VA	DC Inverter	SAVE R410A OZONE	PCY-P24KA	35	
SUY-KA30VA	DC Inverter	SAVE R410A OZONE	PCY-P30KA	35	
SUY-KA36VA	DC Inverter	SAVE R410A OZONE	PCY-P36KA	35	
PUY-P42VKA	DC Inverter	SAVE R410A OZONE	PCY-P42KA	35	

Conversion formula: Btu/h=kW X 3412

MITSUBISHI ELECTRIC
Changes for the Better

Mitsubishi Electric starMEX Air-Conditioner

Inverter Single Split

Model	Refrigerant	Connectable Indoor Units	Page	Energy labelling scheme
MUY-GE10VA	DC Inverter	R410A	MSY-GE10VA	16	
MUY-GE13VA	DC Inverter	R410A	MSY-GE13VA	16	
MUY-GE15VA	DC Inverter	R410A	MSY-GE15VA	16	
MUY-GE18VA	DC Inverter	R410A	MSY-GE18VA	16	
MUY-GE24VA	DC Inverter	R410A	MSY-GE24VA	16	

Inverter Multi Split

Model	Refrigerant	Connectable Indoor Units	Page	Energy labelling scheme
MXY-3A28VA up to **3** indoor units	DC Inverter	R410A	MSY-GE10/13/18VA MSY-GE24/26VA MSY-EF10/13/18VAB	22	
MXY-4A38VA up to **4** indoor units	DC Inverter	R410A		22	

Inverter Multi Split

Model	Refrigerant	Connectable Indoor Units	Page	Energy labelling scheme
MXY-3A28VA up to **3** indoor units	DC Inverter	R410A	PLA-RP35/50/71BA MLZ-KA50VA	29 30	
MXY-4A38VA up to **4** indoor units	DC Inverter	R410A	SEZ-KD35/50/71VAL PEAD-RP50/60/71JA(L) SEZ and PEAD can couple with 3A28VA (Except RP71)	32 31	

Conversion formula: Btu/h=kW X 3412

MITSUBISHI ELECTRIC
Changes for the Better

Mitsubishi Electric starMEX Air-Conditioner

Inverter Multi Split

Model	Type: Refrigerant	Connectable Indoor Units	Page	Energy labelling scheme
MXY-3G28VA2 up to **3** indoor units	DC Inverter, SAVE R410A OZONE	MSXY-FN07/10/13/18VE	18	Excellent; $ 635; 2354kWh
MXY-4G33VA2 up to **4** indoor units	DC Inverter, SAVE R410A OZONE	MSXY-FN07/10/13/18VE	18	Excellent; $ 683; 2529kWh
MXY-4G38VA2 up to **4** indoor units	DC Inverter, SAVE R410A OZONE	MSXY-FN20VE and MSXY-FN24VE*	19	Excellent; $ 754; 2792kWh
MXY-5G48VA2 up to **5** indoor units	DC Inverter, SAVE R410A OZONE	PEY-P18JA* and PEY-P24JA*	20	Excellent; $ 963; 3568kWh
MXY-2G20VA2 up to **2** indoor units	DC Inverter, SAVE R410A OZONE	SEZ - KD35VAL and SEZ-KD50/71VAL*	19	Excellent; $ 462; 1711kWh

Inverter Single Split

Model	Type: Refrigerant	Connectable Indoor Units	Page	Energy labelling scheme
MUY-GN10VA	DC Inverter, SAVE R410A OZONE	MSY-GN10 VA and MSY-GN 13VA	17	Excellent; $ 257; 952kWh
MUY-GN13VA	DC Inverter, SAVE R410A OZONE	MSY-GN10 VA and MSY-GN 13VA	17	Good; $ 432; 1600kWh
MUY-GN15VA	DC Inverter, SAVE R410A OZONE	MSY-GN15 VA and MSY-GN 18VA	17	Good; $ 503; 1863kWh
MUY-GN18VA	DC Inverter, SAVE R410A OZONE	MSY-GN15 VA and MSY-GN 18VA	17	Good; $ 596; 2208kWh
MUY-GN24VA	DC Inverter, SAVE R410A OZONE	MSY-GN24VA	17	Good; $ 878; 3253kWh

* Not applicable with MXY-2G20VA2

Conversion formula: Btu/h=kW X 3412

starMEX Plus series	Type				
	Model	Refrigerant	Connectable Indoor Units	Page	Energy labelling scheme
MXY-4C100VA	DC Inverter	SAVE R410A OZONE	MSXY - FJ05VE	36	
			MSXY - FJ07VE		
MXY-5C125VA			MSXY-FJ10VE		
			MSXY-FJ13VE		
			MSXY-FJ18VE		
MXY-6C140VA			MSXY-FJ24VE		
			PEFY-P VMA(L)-E		

Conversion formula: Btu/h=kW X 3412

FEATURES

For your convenience, leave this flap extended to check features.

Energy Saving

DC Inverter

Temperature Range Restriction

PAM Control

New LEV Control

Econo Cool

Fuzzy Logic "I Feel"

Comfort

The Quietest Air-Conditioner In The Market

3D i-see sensor

An infrared-ray sensor that measures the temperature at distant positions. While moving to the left and right, eight vertically arranged sensor elements analyze the room temperature in three dimensions. Making it possible to judge where people are in the room to create proper airflow.

Computerised Dehumidification

Eliminate dampness for healthier and more comfortable air-conditioning, while enjoying great year-round economy.

5 Step Vane Control & Swing Mode

Five different airflow patterns & "Swing" mode match the interior layout and people in the room.

Quiet Operation

Powerful Cool

Wide Control

Long Air-flow

Auto Mode

Fresh Air

Anti-Allergy Enzyme Filter

Electrostatic Anti-allergy Enzyme Filter

The filter is charged with static electricity, enable it to trap allergens such as molds and bacteria and decompose them using enzymes retained in the filter.

Catechin Plus Pre-Filter

Double Air Cleaning Filter

Traps dust and other small particles such as pollen, mould and dust mites which can cause allergic reactions. The filter removes particles as small as 0.01 microns.

Nano Platinum Filter

The filter has a large capture area and incorporates nanometre-sized platinum-ceramic particles that work to kill bacteria and deodorize the circulating air. Better dust collection than conventional filters is also ensured.

Plasma Quad

A plasma-based filter system that effectively removes four kinds of air pollutants; namely, bacteria,viruses, allergens and dust,which the air contains countless particles of.

Microparticles Catching Filter

Filter effectively eliminates PM2.5 particles to maintain clean air in the room. Removal efficiency of particulates sizes ranging 0.3-2.5μm after operation for 200min using MSXY-FN20VE micro-particle entrapment filter in 28m³ enclosed space with tidal air circulation volume of 0.5/hr (in-house test).

Dual Barrier Coating

Prevents dust and greasy dirt from sticking onto the coated air conditioner.

Convenience

Operation Lock

Prevent Operation settings from being changed.

Multi-Language

Control panel operation in eight different languages.

24-Hour On/Off timer

On/Off operation can be set simultaneously in 10-minute increment for a 24-hour period.

Weekly Timer

Easily set desired temperatures and operation start/stop times to match lifestyle patterns.

Auto Restart

This function permits automatic return to previous operation conditions after a sudden power black-out. You can now sleep peacefully all through the night without having to get up and turn your air-conditioner back on.

Smart Control

Press the same button twice in repetition to immediately return to the previous temperature setting

I Save Mode

This is a simplified setting function that recalls the preferred (preset) temperature by pressing a single button on the remote controller.

Installation & Maintenance

R410A Refrigerant

The new HAB(hard alkyl benzene) refrigerant oil is a unique oil that degrades very slowly. In addition to this new oil, our exclusive cleaning-free technology incorporates a specially developed high-efficiency oil separator and heat exchangers that are optimally designed to prevent oil stagnation. These benefits make it possible to reuse existing piping even when installing a new model.

Cleaning-Free, Pipe Reuse Technology

Turning to our air-conditioner refrigerants, because the use of the Hydrochloro-fluorocarbon R22 is destructive to the ozone layer, we have switched to the new refrigerant R410A with zero ozone depletion potential.

Easy Clean Design

Durable Electronic Metal Housing Box

This special box protects the electronic circuitry from dust ensuring its reliable operation and preventing fire in the event of a short circuit.

Anti-Rust Treatment

Emergency Circuit Protection

In the event of sudden power surge, e.g. lightning, the circuits of 3 safety barriers (fuse, baristor, and surge absorber) are automatically broken first to protect the printed circuit board (PCB).

Self-Diagnostic Function

In the unlikely event of a malfunction, the LED on the indoor unit flashes to indicate the exact spot to be checked.

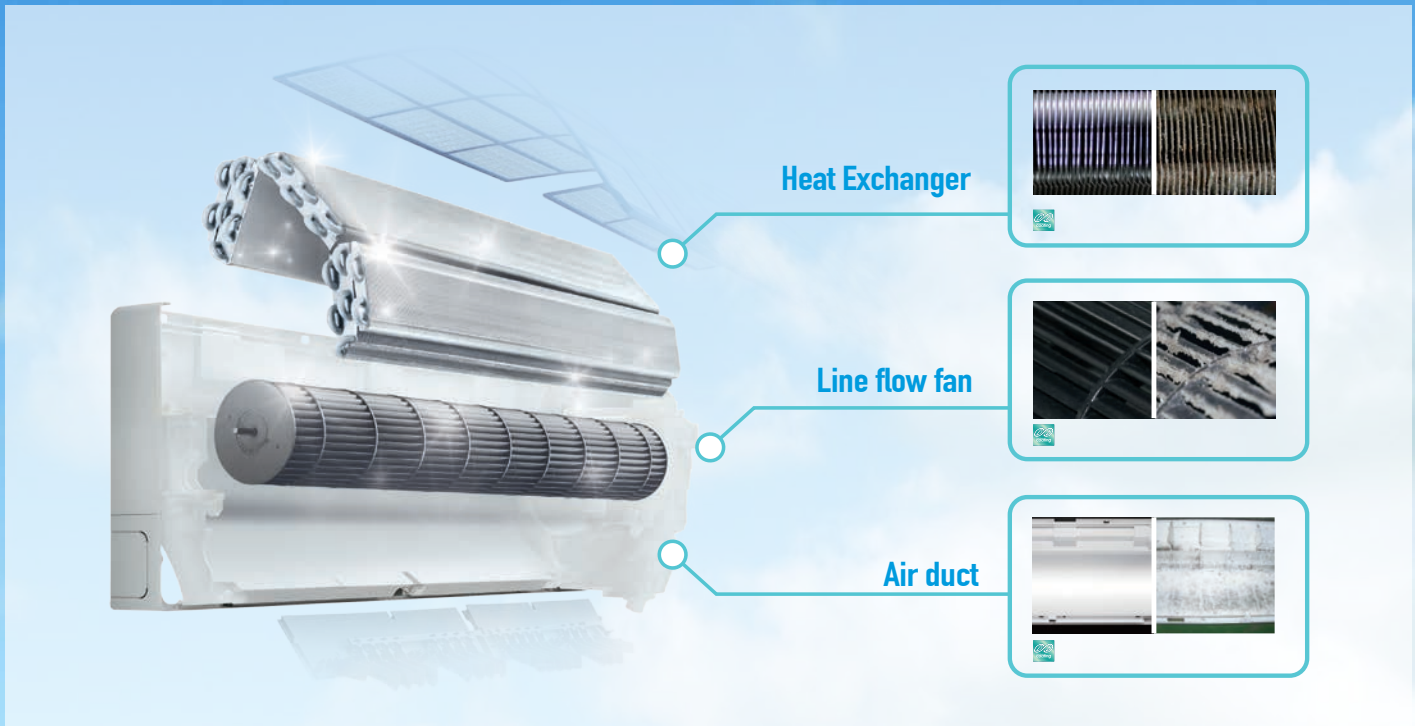
		Mitsubishi Electric starMEX		Mr.SLIM		Mitsubishi Electric starMEX Plus Series
				Inverter		Inverter
		Indoor	Outdoor	Indoor	Outdoor	Outdoor
		MSY-GE10/13/15/18/24/26VA MSY-EF10/13/18VA MXY-GN10/13/15/18/24VA SEZ-KD35/50/71VAL MSXY-FJ10/13/18/24VA MSXY-FN07/10/13/18/20/24VA PEY-P18/24JA PEAD-RP50/60/71JA(L) PLA-RP50/60/71BA MLZ-KA50VA	MXY-3A28 MXY-4A38VA MUY-GE10/13/15/18/24VA MUY-GN10/13/15/18/24VA MXY-5G48VA2 MXY-3G28VA2 / 4G33VA2 MXY- 4G38VA2 MXY-2G20VA2	PCY-P18/24/30/36/42KA PLY-60/80/100/125EA PEY-P50/60/80/100/125JAL PLY-ZP50EA	SUY-KA18/24/30/36VA PUY-P42VKA SUY-KA50/60/80/100VA PUY-P125VKA SUY-ZP50VA	MXY-4C100VA MXY-5C125VA MXY-6C140VA
Cooling	Upper limit	32°C DB /23°C WB	46°C DB	32°C DB / 23°C WB	46°C DB	46°C DB

Note

1. Rating conditions: Cooling – Indoor: 27°C DB / 19°C WB; Outdoor: 35°C DB.
   Refigerant piping length (one way): 5 meters / indoor unit (inverter)
2. Due to the compact high efficient design of heat exchanger, the use of wall mounted and cassette fan coil units are not recommended for hair saloon environment. Please contact our Dealers for recommendations of appropriate models.
3. Guaranteed operating range:
4. For wall mounted units, during COOL or DRY operation with the vane angle at Angle 4 or 5 when the compressor cumulative operation time exceeds 1 hour, the vane angle automatically changes to Angle 3 for dew prevention.

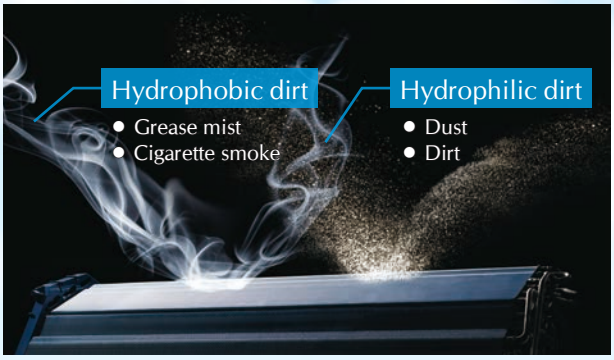
Dual Barrier Coating

A two barrier coating prevents dust and greasy dirt from sticking onto the air conditioner.

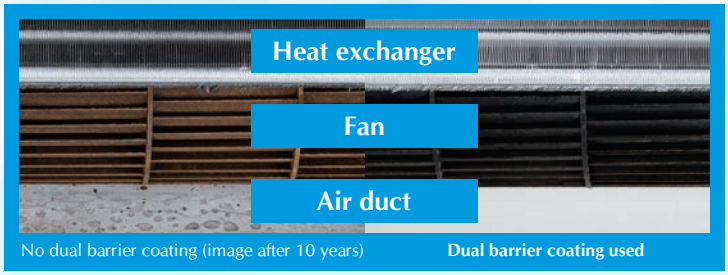


State-of-the-art coating technology

Dirt is generally classified into two groups: hydrophilic dirt such as fiber dust and sand dust, and hydrophobic dirt such as oil and cigarette smoke. Mitsubishi Electric's dual barrier coating works as a two barrier coating with blended "fluorine particles" that prevent hydrophilic dirt penetration and "hydrophilic particles" that prevent hydrophobic dirt from getting into the air conditioner. This dual coating on the inner surface keeps the air conditioner clean year-round and improves energy efficiency while delivering comfortable clean air.



Comparison of dirt on heat exchanger, fan and air duct (in-house comparison)



The inside of the indoor unit gets dirty after many years of usage.

Heat exchanger

New

10 years later (image)

Fan

New

10 years later (image)

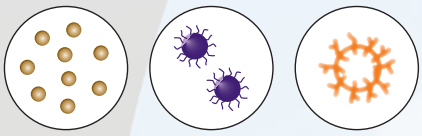
Consequences when the inside of the indoor unit is left dirty.

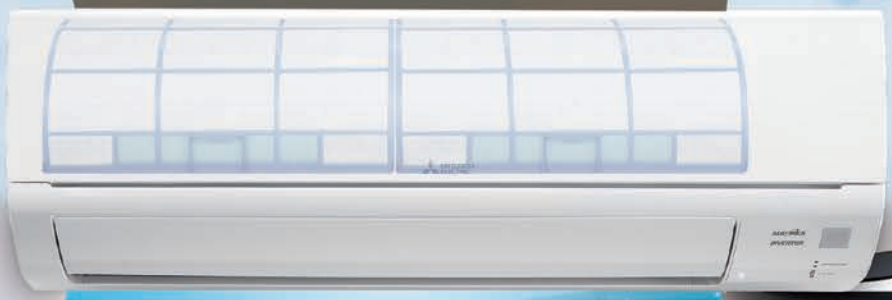
- Deterioration in energy efficiency.
- Musty smell from the unit

*Applicable to MSXY-FN models

PM2.5 Filter
Cleaner Air
up to 99% PM2.5 particles filtered

Minute Particles Floating in the Air





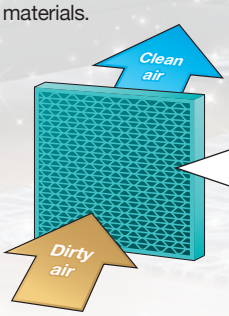
Model:
MSXY-FN Series

Filter:
Microparticle catching filter

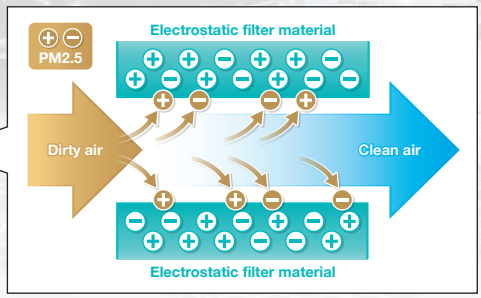
Microparticle catching filter effectively eliminates PM2.5

Effectively catches floating PM2.5 particles to maintain clean air in the room.

Electrostatic filter even effectively removes and eliminates miniscule particulate materials.

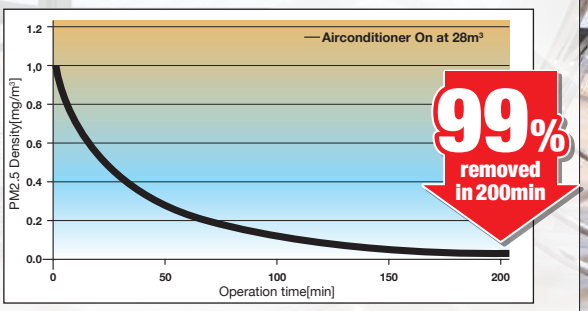


Microparticle catching filter



Electrostatic material removes PM2.5 from the air and absorbs it when passing through the filter

■PM2.5 removal efficiency



Test conditions: Removal efficiency of particulates sizes ranging 0.3-2.5μm after operation for 200min using FN20 microparticle catching filter in 28m³ enclosed space with tidal air circulation volume of 0.5/hr (in-house test)

*Applicable to MSXY-FN models

※ Microparticle catching filter
MAC-EMF515FT-E

EASY CLEAN

Safety system stops the machine when the horizontal vane is removed.

THE WIDE AIR OUTLET MAKES CLEANING EASY, ALWAYS KEEPING THE AIR IN YOUR ROOM CLEAN AND FRESH.

EASY CLEAN's unique cleaning system

Open the blower outlet for cleaning

Vertical vanes | Front panel | Fan

The entire front panel can be washed

Easy removal

Scrub clean

Thorough cleaning keeps your home healthier and more comfortable.

Eliminates odours
Always bringing you fresh air

Prevents mould
The mould guard (internal drier) always keeps the inside unit clean

Longer lasting high performance
Consistent performance from time of purchase

Economical energy costs
Cleaning the fan (25%), the heat exchanger (5%) and the filter (15%) increases energy savings by a total of up to 45%!

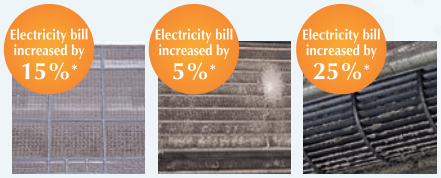
Mitsubishi Electric's Main Technology

Easy, Clean & Comfortable

Easy Clean Design

The easily detachable panel is a snap to wash and the airflow vents can be opened without any special tools for quick cleaning of the inside of the air conditioner. It is recommended that the air conditioner be cleaned regularly as this will increase both operating efficiency and energy-savings. Always clean the heat exchanger, fan and air vent to ensure proper performance and economical operation. It reduces your electricity bill by approx. 45%*.

*Electricity bill comparison of operation under fixed temperature with 8 grams of soil on the fan and one without. Based on internal company data.



Filter | Heat exchanger | Fan

EASY CLEAN

Easy Cleaning Procedure

❶ *First, turn off the power. Make sure the fan is not operating before this removal procedure. Unlock every green stopper of the upper horizontal vane and pull it towards the left to remove. Do the same thing to remove the lower horizontal vane. Safety system stops the blower when the horizontal vane is removed.* ❷ *You can reach deep into the air-conditioner, in order to clean fans and other parts that are normally hard-to-reach.* ❸ *Hold the central green handle and pull towards body to open.*

Electrosatatic Anti-Allergy Enzyme Filter

The filter is charged with static electricity, enable it to trap allergens such as molds and bacteria and decompose them using enzymes retained in the filter.

Anti-Allergy Enzyme Filter

To counter allergens, we have added filters featuring artificial blue enzymes with the power to remove harmful microbes such as bacteria*1, virus*2, dust mites*3, pollen*3, etc.

The enzymes destroy any germs caught in the filter, preventing them from working their way further inside the air conditioner. However, being artificial enzymes, they prevent allergies while remaining gentle on the human body.

(Confirmed by *1 Japan Spinners Inspecting Foundation test No. 007715-1,2 *2 Japan Food Research Laboratories Ref. No.20491448-002 *3 Shinshu University)

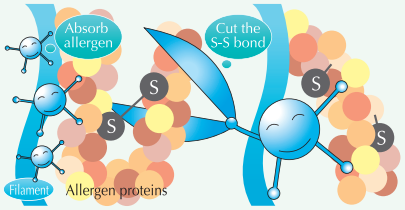
ANTI-ALLERGY ENZYME FILTER

Anti-Allergy Enzyme filter mechanism

❶ Artificial enzyme (meta-phthalocyanine) catalysts on the filament catch allergens.

❷ The artificial enzyme catalysts aid the chemical reaction with oxygen and sever the S-S bonds.

❸ Once the S-S bonds are severed, the proteins no longer act as allergens.



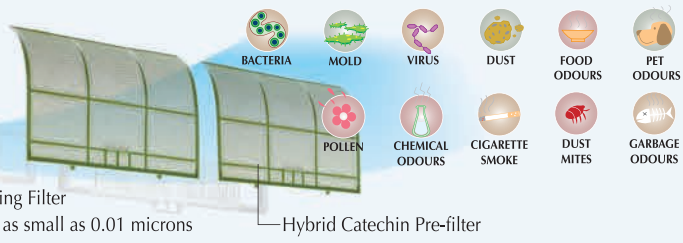
Allergen protein (such as mites) → *Transformed protein (Non-allergen proteins)*

Catechin Plus Air Purifying System

The Catechin offers many benefits through its deodorizing, anti-bacterial and anti-virus properties. These benefits can be experienced fully with our long-lasting Hybrid Catechin Pre-filter. At the same time, dust collection efficiency is doubled with our Double Air Cleaning Filter.

The filter can be easily removed and when washed regularly, deodorizing effectiveness should last for more than 10 years.

Catechin Plus Air Purifying Systems



Not every feature detailed on these two pages is available on every product in this brochure. Please refer to individual product information pages for precise specifications.

Nano Platinum Filter

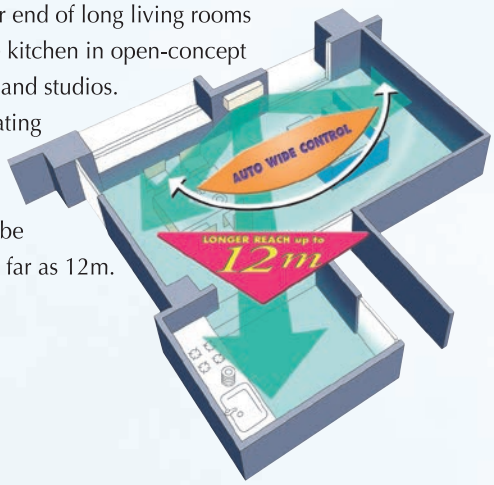
The filter has a large capture area and incorporates nanometre-sized platinum-ceramic particles that work to kill bacteria and deodorize the circulating air. Better dust collection than conventional filters is also ensured.

Fuzzy Logic "I Feel"

Is the room too hot or cold, too dry or humid? On auto mode selection, the fuzzy logic control system adjusts conditions to suit you. Your selected temperature setting is stored in the memory system and reproduced automatically each time you operate your air conditioning.

Wide & Long Airflow

Bringing extra comfort to your life, left-right vane can be automatically controlled by remote controller. Simply use of Wide-vane mode, you can easily adjust direction of airflow to reach any corner of the room. The high-power motor combines with a newly designed "Long mode" to push air out further, providing an extended airflow that can reach the far end of long living rooms or reach the kitchen in open-concept living areas and studios. When operating in Long mode, the airflow can be extended as far as 12m.



WiDE & LONG

Improved efficiency with 7-way airflow

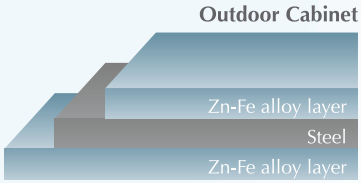
By combining the use of the Wide-vane mode and Long and vane mode, you can adjust airflow horizontal 7 directions and vertical 6 directions. Exclusive to Mitsubishi Electric, this advantage ensures maximum control over air direction and flow up to 42 ways, which guarantee that the air conditioning effect isn't wasted, where it isn't needed.

Auto Mode

We offer you an easy way to comfort with auto mode. "Auto vane" is created to set the vane angle automatically. "Auto fan" is created to adjust airflow speed automatically. These could let ideal temperature to be achieved in the shortest amount of time.

Anti-Rust Treatment (Blue Fins)

Every cabinet of the outdoor unit has been applied with a special anti-rust treatment.



LCD Remote Control

From temperature and operation modes to air volume and direction, you'll be able to customise your environment at the touch of a button. Large, easy-to-identify buttons allow for easy access to frequently used functions. The generous LCD display lets you check temperature and other operating conditions at a glance, while an easy-open slide cover prevents inadvertent operation of preset controls and other functions.

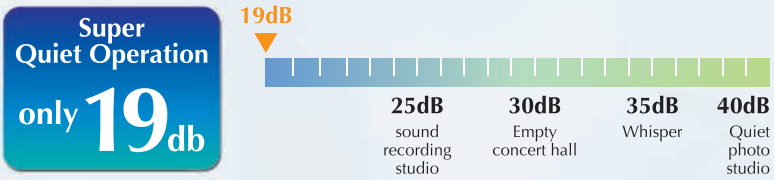
Luminous Buttons

The remote controller features luminous buttons that make use easy even in the dark environment.

Silent Operation Technology & Multi-System

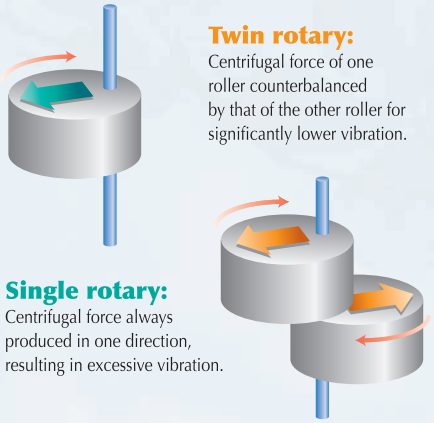
Only 19 dB The Quietest Air Conditioner In The Market

Noise level during silent mode operation is only 19dB for the MSY-GE10VA, GE13, FN10, FN13, making them the quietest indoor unit in the market. Inside the unit, the multi-angled heat exchanger has a modified fin shape that reduces air resistance for a smoother, quieter airflow. The wide fan diameter produces greater airflow at lower fan speeds and the uneven pitch between each fan blade helps to eliminate annoying noise. What's more, the remote controlled vane significantly decreases download air resistance for much lower noise levels.



Twin Rotary Compressor Ensures Peace And Quiet

Unlike conventional models with a single rotary, all Inverter Multi Split System MXY Series outdoor units feature a twin-rotary compressor that provides balanced rotation as the centrifugal force of one roller is counterbalanced by the other. This significantly reduces both vibration and noise. This is why Mitsubishi Electric's outdoor units are so peacefully quiet.



Multi-Split System The Convenient Way To Enhance Any Interior

Mitsubishi Electric Multi-split system could be the best solution balancing use of available space, exotic interior and money. With the system's innovative design, several indoor units could be mixed and matched and connected to a single outdoor unit as a customized system. It's your choice to add indoor units at any time more economically while facilitating installation.

Mitsubishi Electric starMEX Air-Conditioner

Mitsubishi Electric's Main Technology

Cleaning-Free, Pipe Reuse Technology

It is a fact that the world's ozone layer is being depleted.

Many scientists believe that refrigerants that contain hydrochlorofluorocarbons such as HCFC-R22 with chlorine are a contributing factor to this problem. R410A – a chlorine-free, non-inflammable, environmentally friendly and energy efficient refrigerant offers a new alternative. In addition to the properties just mentioned, R410A is as easy to handle as the environmentally unfriendly R22 because of its pseudoazeotropic characteristics. R410A is also highly efficient and provides the same level of performance as R22.

		Composition	Ozone depletion potential factor*	Toxicity	Stability
NEW REFRIGERANT	R410A	Non-uniform boiling point composite refrigerant (HFC:R32/R125=50:50WT%)	0	NON	GOOD
CURRENT REFRIGERANT	R22	Single component refrigerant (HCFC:R22=100WT%)	0.05	NON	GOOD

* Relative value when CFC is considered as 1

Mitsubishi Electric's Cleaning-Free Technology

Our R410A Inverter-driven models are the first in the industry to use hard alkyl benzene (HAB) oil — a unique refrigerant oil that degrades very slowly — for refrigeration. Employing our exclusive cleaning-free technologies such as a specially developed high-efficiency oil separator and optimum distribution of heat exchangers to prevent oil stagnation, we have made it possible to reuse previously installed R22 pipeworks.

ORIGINAL HAB Oil	ORDINARY ESTER Oil
• No special cleaning required • Re-use existing pipes • Cleaning / Purging process • Special tools (Oil trap kit) • Higher working pressure	• Formation of Sludge • Clogging • Premature breakdown of equipment • Strip and replace existing R22 pipes

1st in the Industry!

Mitsubishi Electric's original HAB oil — Ordinary ester oil

Refrigerant circuit lasts longer with less deterioration using the new HAB refrigerant oil.*

*Data taken from our lab: Test results equivalent to 10 years worth of use

*Applicable Models: MXY-3A28VA, MXY-4A38VA, MXY-2G20VA2, MXY-3G28VA2 & MXY-4G33VA2

QUESTION: *In general, why is the reuse of existing R22 pipework not allowed for models with R410A HFC refrigerant?*

ANSWER: *This is because existing R22 pipework contains moisture and chloride residue that, when mixed with compressor's ester oil, can result in a chemical reaction. Additionally, refrigerant oil sludge and corrosion within the compressor can clog up the refrigerant circuit.*

MITSUBISHI ELECTRIC'S SOLUTION:

FLUSH, VACUUM & INSTALL!

Mitsubishi Electric's exclusive cleaning-free, Pipe-reuse technology allows you to reuse existing R22 refrigeration piping even when installing a new R410A model.

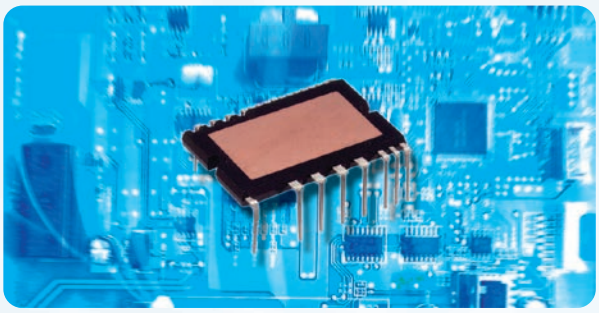
Not every feature detailed on these two pages is available on every product in this brochure. Please refer to individual product information pages for precise specifications.

Mitsubishi Electric's Main Technology

Inverter & Energy Saving Technology

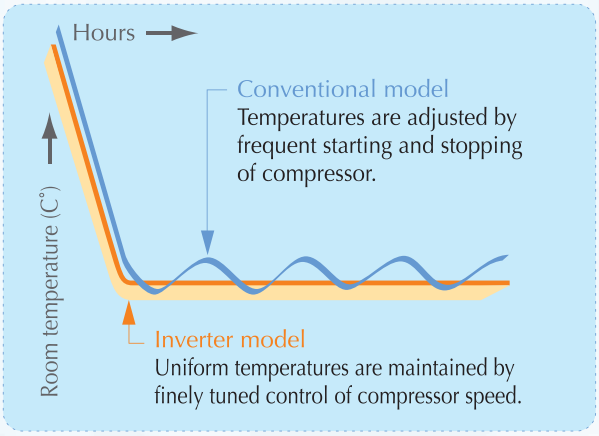
Inverter Control Technology

By controlling current frequency according to the desired temperature setting and outside air-conditions, energy-efficient performance is assured. Frequency is lowered when less power is required to substantially reduce electricity consumption for more economical operation. Providing you with more economy and comfort throughout the year, inverter control presents an ideal situation as it reduces compressor rotation speed when air-conditioning load is low so it's like using a small compressor with a large heat-exchanger.



Optimum comfort year-round

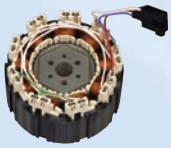
To ensure that a room is never too cold or too hot, inverter technology allows the air conditioner to detect subtle fluctuations in room temperature and adjust automatically. Unlike conventional air conditioning units that must start or stop repetitively, inverter units offer finely tuned operation – such as the accurate control of compressor rotation – for a more comforting airflow and far less temperature variations.



NEW DC Inverter

DC Inverter

A high-efficiency DC motor drives the fan of the outdoor unit. It offers up to 60% greater efficiency than an equivalent AC motor.

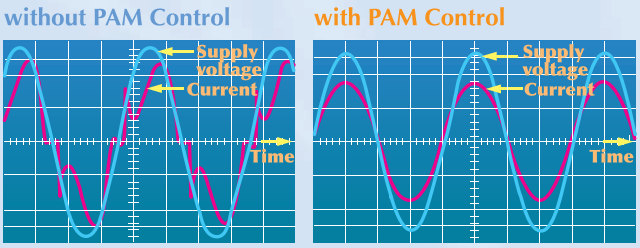


Joint Wrap DC Motor

Mitsubishi Electric's newly developed, unique Joint Wrap Motor is environmentally friendly, using less copper wiring than conventional motors through the employment of joint wrap production techniques. This concentrated winding DC Motor (linked core type) features our original high density, concentrated winding technique for a reliable, highly efficient motor.

PAM (Pulse Amplitude Modulation)

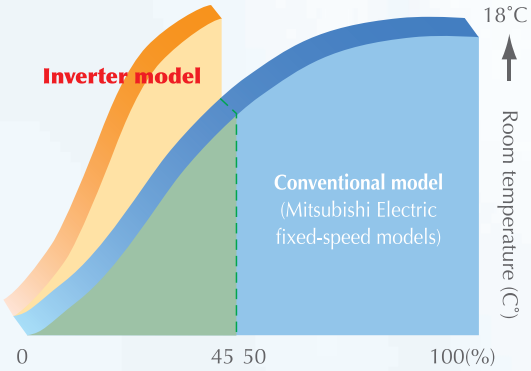
Electricity can be used efficiently with less loss, the current wave resembles the supply voltage wave. PAM is a method for controlling the form of the current wave so that it conforms to the supply voltage wave. With PAM control, 98% of input power supply is effectively used.



PAM adjusts the form of current wave so that it is close to that of the supply voltage wave. High harmonics are reduced and 98% of the electricity is utilized.

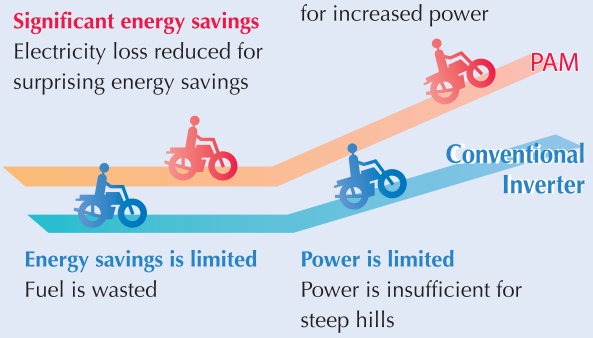
High-speed cooling

Our advanced Inverter technology enables efficient high-speed cooling by precisely and flexibly controlling the rotation of the compressor according to your cooling needs. For example, during summer months, the compressor speed is automatically set at a maximum level that is 30% faster than non-inverter models. So your room takes even less time to be cool.



Compared to conventional models, desired temperatures are reached much more rapidly.

Using a Motorcycle as an Example

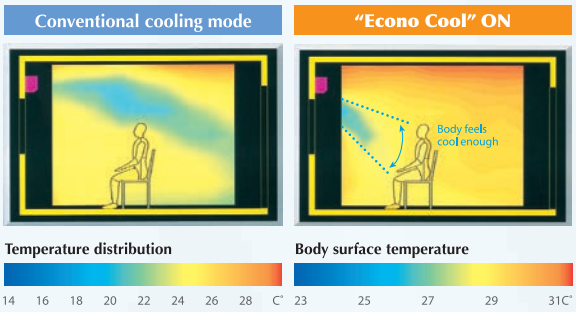


**This diagram illustrates the merits of PAM Control.*

Not every feature detailed on these two pages is available on every product in this brochure.
Please refer to individual product information pages for precise specifications.

Econo Cool – smart save

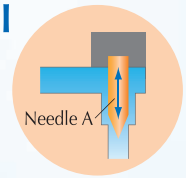
The Econo Cool one touch operation automatically adjusts the direction of airflow based on the temperature at the air outlet. The set temperature can therefore be 2 ºC above conventional temperature settings without loss of comfort and with a 20% increase in energy efficiency.
Ensures greater comfort even when the temperature setting is 2 ºC above conventional settings.



Ensures more comfort even when the set temperature is 2˚C higher than the conventional cooling mode.

	Conventional	Econo Cool
Ambient temperature	35˚C	35˚C
Set temperature	25˚C	27˚C
Perceived temperature	30˚C	**29.3˚C**

New LEV Control



LEV (Linear Expansion Valve) control automatically adjusts the volume of refrigerant flowing through the air conditioner according to air conditioning load. When the load is low, Needle A drops, restricting the flow path and decreasing the volume of refrigerant. In this simple yet effective concept, circulation of refrigerant is optimized to facilitate more economical operation.

Inverter Single Split System

SAVE R410A OZONE

Mitsubishi Electric starMEX Air-Conditioner

Our Inverter Technology adjusts capacity in response to conditions such as the difference between the outside and inside air temperatures, allowing our air conditioners to run more efficiently and reduce energy costs.

MSY-GE Series

Indoor Unit

Dimensions (W X D X H) : 798 X 232 X 295 mm

MSY-GE10VA
Cooling capacity: 2.5kW*

MSY-GE13VA
Cooling capacity: 3.5kW*

MSY-GE15VA
Cooling capacity: 4.2kW*

MSY-GE18VA
Cooling capacity: 4.8kW*

Dimensions (W X D X H) : 1100 X 238 X 325 mm

MSY-GE24VA
Cooling capacity: 6.6kW*

Outdoor Unit

MUY-GE10/13/15VA
Dimensions (W X D X H) :
800 X 285 X 550 mm

MUY-GE18VA
Dimensions (W X D X H) :
840 X 330 X 850 mm

MUY-GE24VA
Dimensions (W X D X H) :
840 X 330 X 880 mm

(Optional drainage kit is available for CU)

EASY CLEAN | ANTI-ALLERGY ENZYME FILTER | Catechin plus Air-purifying systems | SAVE R410A | Cleaning-free, pipe reuse

DC Inverter | PAM Control | Only 19dB (MSY-GE10/13VA) | Quiet | Anti-Allergy Enzyme (MSY-GE10/13/15/18VA) | Electrostatic Anti-allergy (MSY-GE10/13/15/18VA) | Catechin (MSY-GE10/13/15/18VA) | Nano Platinum | EASYCLEAN | Econo Cool | Fuzzy FEEL | 24 OPTIONAL

Auto Restart | (MSY-GE24VA) | Self Diagnosis | SMART (MSY-GE10/13/15/18VA) | SAVE (MSY-GE24VA) | NEW LEV | COOL (MSY-GE24VA) | Wide (MSY-GE24VA) | Long (MSY-GE24VA) | AUTO

Inverter Single Split system MSY-GE series

Model			EASY CLEAN, WIDE & LONG				
Indoor			MSY-GE10VA	MSY-GE13VA	MSY-GE15VA	MSY-GE18VA	MSY-GE24VA
Outdoor			MUY-GE10VA	MUY-GE13VA	MUY-GE15VA	MUY-GE18VA	MUY-GE24VA
Function & type			Cooling, Wall-mounted				
Capacity (Min-Max)		kW	2.50 (1.1-3.5)	3.50 (1.4-3.9)	4.20 (0.9-4.8)	4.80 (1.4-5.4)	6.60 (2.4-8.7)
Total power input		kW	0.64	1.02	1.25	1.43	1.83
Full load COP			4.56	3.58	3.44	3.43	3.82
Weighted COP**			5.8	4.61	4.51	4.53	4.83
Running current		A	3.52	4.99	6.09	6.79	8.75
Airflow (High)		CMM(m³/min)	11.4	12.8	14.2	15.1	20.7#
Dimension (W x D x H)	Indoor	mm	798 X 232 X 295				1100 X 238 X 325
	Outdoor	mm	800 X 285 X 550			840 X 330 X 850	840 X 330 X 880
Net weight	Indoor	kg	10	10	10	10	16
	Outdoor	kg	30	30	36	54	53
*Sound level (Silent - High)	Indoor	dB(A)	19-40	19-45	26-48	28-49	30-53#
	Outdoor	dB(A)	46	47	50	54	55
Connection method		Indoor/Outdoor	Flared				
Dehumidification		l/h	0.30	0.80	1.20	1.60	1.80
External Piping Diameter	Gas (ø)	mm	9.52	9.52	9.52	12.70	15.88
	Liquid (ø)	mm	6.35	6.35	6.35	6.35	9.52
Piping Length	Max. length	m	20	20	20	30	30
	Max. height	m	12	12	12	15	15
Power supply		V, Phase, Hz	230, 1, 50				
Energy labelling scheme			Very Good ✓✓✓✓✓ ±274 ±1016kWh	Fair ✓✓✓✓✓ ±501 ±1857kWh	Fair ✓✓✓✓✓ ±598 ±2213kWh	Fair ✓✓✓✓✓ ±681 ±2523kWh	Good ✓✓✓✓✓ ±864 ±3200kWh

*Note: Sound level is measured in anechoic chambers. ** Tested based on NEA energy labelling scheme.
#Super high + long + powerful mode

Conversion formula: Btu/h=kW x 3412

Inverter Single Split System

The GN Series is designed for optimum cooling performance as well as operational comfort. Quiet, energy-saving operation is supported by some of Mitsubishi Electric's latest technologies.

MSY-GN Series

Indoor Unit

Dimensions (W x D x H): 799 x 232 x 290 mm

MSY-GN10VA
Cooling capacity: 2.5kW*

MSY-GN13VA
Cooling capacity: 3.5kW*

Dimensions (W x D x H): 923 x 250 x 305 mm

MSY-GN15VA
Cooling capacity: 4.2kW*

MSY-GN18VA
Cooling capacity: 4.8kW*

Dimensions (W x D x H):
1100 x 238 x 325 mm

MSY-GN24VA
Cooling capacity: 6.6kW*

Outdoor Unit

MUY-GN10/13VA
Dimensions (W x D x H):
800 x 285 x 550 mm

MUY-GN15/18VA
Dimensions (W x D x H):
800 x 285 x 714 mm

MUY-GN24VA
Dimensions (W x D x H):
840 x 330 x 880 mm

EASY CLEAN · ANTI-ALLERGY ENZYME FILTER · SAVE R410A OZONE · Cleaning-free, pipe reuse · PM2.5 Filter (Cleaner Air) · Coating

DC Inverter · PAM Control · Only 19dB (MSY-GN10/13VA) · Quiet · Anti-Allergy Enzyme (MSY-GN10/13 /15/18VA) · Electrostatic Anti-allergy · Coating · Nano Platinum · EASYCLEAN · Econo Cool · Fuzzy FEEL · 24 OPTIONAL · COOL

Auto Restart · (MSY-GN24VA) · Self Diagnosis · i SMART (MSY-GN10/13 /15/18VA) · NEW LEV · COOL (MSY-GN24VA) · Wide (MSY-GN24VA) · Long (MSY-GN24VA) · AUTO · PM 2.5

Inverter Single Split system MSY-GN series

Model					
Indoor		MSY-GN10VA	MSY-GN13VA	MSY-GN15VA	MSY-GN18VA	MSY-GN24VA
Outdoor		MUY-GN10VA	MUY-GN13VA	MUY-GN15VA	MUY-GN18VA	MUY-GN24VA
Function & Type		Cooling, Wall Mounted				
Capacity (Min - Max)	kW	2.5 (1.1 - 3.5)	3.5 (1.4- 3.9)	4.2 (0.9- 4.8)	4.8 (1.4 - 6.0)	6.6 (2.4 -8.7)
Power Input	kW	0.51	0.92	1.11	1.26	1.83
Full load COP		4.97	3.90	4.10	4.04	3.82
Weighted COP**		6.09	5.16	5.34	4.93	4.52
Running Current	A	2.97	4.52	5.28	5.98	8.76
Airflow	CMM(m³/min)	3.3-4.3-4.9-7.1-10.0	3.3-4.0-4.9-7.1-10.9	8.2-9.5-11.3-13.3-18.0	8.6-10.7-12.2-15.5-18.0	9.1-13.0-14.9-20.7
Dimension (W x D x H)	Indoor mm	799 x 232 x 290		923 x 250 x 305		1100 x 238 x 325
	Outdoor mm	800 x 285 x 550		800 x 285 x 714		840 x 330 x 880
Net Weight	Indoor kg	9		13		16
	Outdoor kg	32		37		53
Indoor Sound Level*	(Silent - High) dB(A)	19-22-30-36-47	19-22-30-36-47	28-33-38-44-49	29-37-41-45-49	30-41-45-51
Outdoor Sound Level*	dB(A)	46	47	50	54	55
Connection Method	Indoor/Outdoor	Flared				
External Piping	Diameter Gas (ø) mm	9.52			12.70	15.88
	Diameter Liquid (ø) mm	6.35				9.52
Piping Length	Max. length m	20			30	
	Max. height m	12			15	
Refrigerant		R410A				
Power Supply	V, Phase, Hz	230, 1, 50				
Energy Labelling Scheme		Excellent ✓✓✓✓✓ ≤257 952kWh	Good ✓✓✓✓✓ ≤432 1600kWh	Good ✓✓✓✓✓ ≤503 1863kWh	Good ✓✓✓✓✓ ≤596 2208kWh	Good ✓✓✓✓✓ ≤878 3253kWh

** Note: Sound level is measured in anechoic chambers. ** Tested based on NEA energy labelling scheme.*

Conversion formula: Btu/h=kW x 3412

Inverter Multi Split System

Our Inverter Technology adjusts cooling capacity in response to conditions such as the difference between the outside and inside air temperatures, allowing our air conditioners to run more efficiently and reduce energy costs.

MXY Series

Indoor Unit

Dimensions (W X D X H) : 799 x 232 x 290 mm

MSXY-FN10VE
Cooling capacity: 2.8kW*

MSXY-FN13VE
Cooling capacity: 3.5kW*

MSXY-FN18VE
Cooling capacity: 5.0kW*

Dimensions (W X D X H) : 923 x 250 x 305 mm

MSXY-FN20VE
Cooling capacity: 6.0kW*

MSXY-FN24VE
Cooling capacity: 7.1kW*

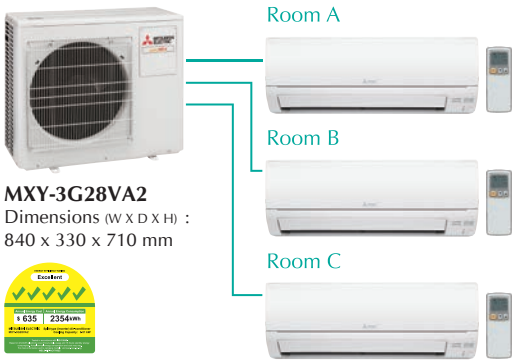
Conversion formula: Btu/h=kW x 3412 *With single unit operation

Outdoor Unit

System 3

3 Rooms **MXY-3G28VA2** Outdoor unit 1:3 Indoor units
Total capacity of all indoor units must not exceed 17.2kW.

(Optional drainage kit is available)

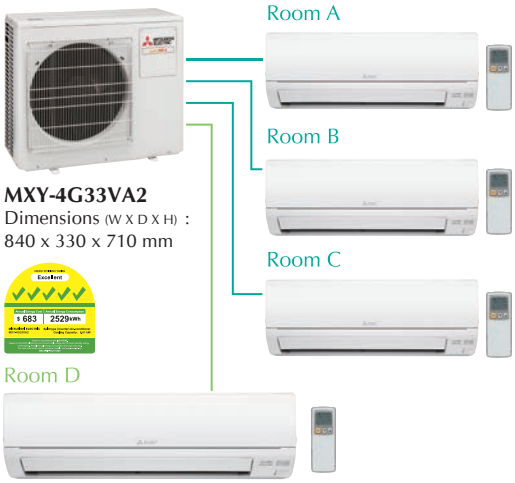


MXY-3G28VA2
Dimensions (W X D X H) :
840 x 330 x 710 mm

System 4

4 Rooms **MXY-4G33VA2** Outdoor unit 1:4 Indoor units
Total capacity of all indoor units must not exceed 20.5kW.

(Optional drainage kit is available)



MXY-4G33VA2
Dimensions (W X D X H) :
840 x 330 x 710 mm

Inverter Multi Split System

Our Inverter Technology adjusts cooling capacity in response to conditions such as the difference between the outside and inside air temperatures, allowing our air conditioners to run more efficiently and reduce energy costs.

MXY Series

Indoor Unit

Dimensions (W X D X H) : 799 x 232 x 290 mm

MSXY-FN10VE
Cooling capacity: 2.8kW*

MSXY-FN13VE
Cooling capacity: 3.5kW*

MSXY-FN18VE
Cooling capacity: 5.0kW*

Dimensions (W X D X H) : 923 x 250 x 305 mm

MSXY-FN20VE
Cooling capacity: 6.0kW*

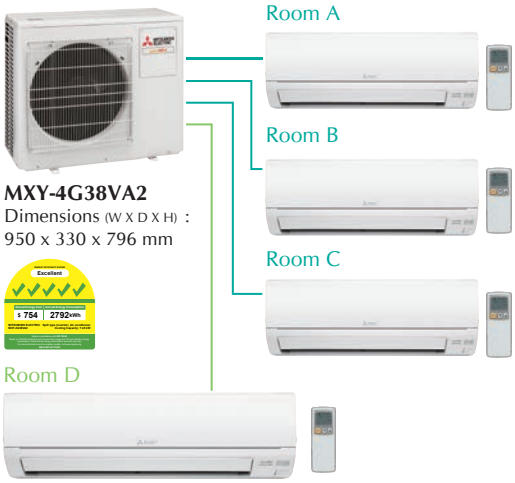
MSXY-FN24VE**
Cooling capacity: 7.1kW*

Outdoor Unit

System 4

4 Rooms **MXY-4G38VA2** Outdoor unit 1:4 Indoor units
Total capacity of all indoor units must not exceed 24.1kW.

(Optional drainage kit is available)

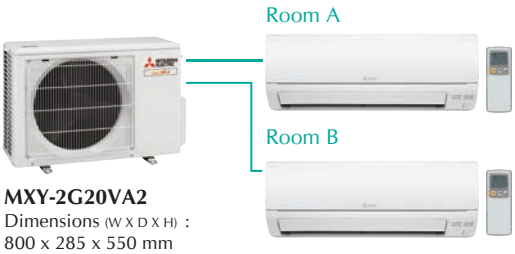


MXY-4G38VA2
Dimensions (W X D X H) :
950 x 330 x 796 mm

System 2

2 Rooms **MXY-2G20VA2** Outdoor unit 1:2 Indoor units
Total capacity of all indoor units must not exceed 11.0kW.

(Optional drainage kit is available)



MXY-2G20VA2
Dimensions (W X D X H) :
800 x 285 x 550 mm

Conversion formula: Btu/h=kW x 3412 *With single unit operation **not applicable for MXY-2G20VA2

Inverter Multi Split System

Cooling Capacity ranging from 2.8 kW to 7.1 kW, you can mix and match units to build a customized air conditioning system that is just right for your home. We are the Good Choice for comfortable living.

Indoor Unit

Dimensions (W X D X H) : 799 x 232 x 290 mm

MSXY-FN10VE
Cooling capacity: 2.8kW*

MSXY-FN13VE
Cooling capacity: 3.5kW*

MSXY-FN18VE
Cooling capacity: 5.0kW*

Dimensions (W X D X H) : 923 x 250 x 305 mm

MSXY-FN20VE
Cooling capacity: 6.0kW*

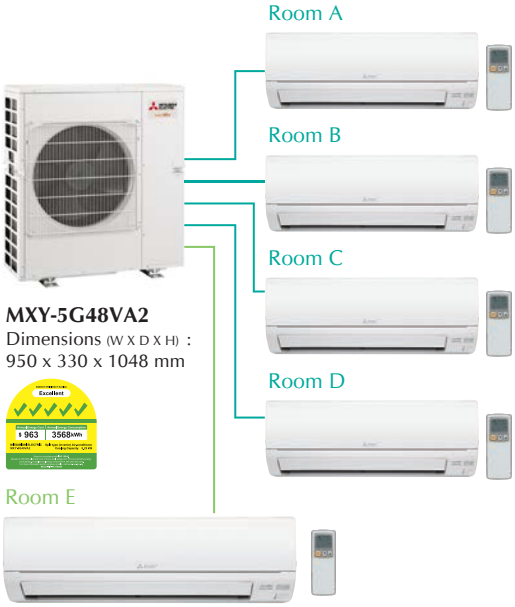
MSXY-FN24VE
Cooling capacity: 7.1kW*

Outdoor Unit

System 5

5 Rooms **MXY-5G48VA2** Outdoor unit 1:5 Indoor units
Total capacity of all indoor units must not exceed 30.2kW.

(Optional drainage kit is available)



MXY-5G48VA2
Dimensions (W X D X H) :
950 x 330 x 1048 mm

Conversion formula: Btu/h=kW x 3412 *With single unit operation

starMEX

SAVE R410A OZONE

Our New Starmex series range is designed to achieve industry's leading seasonal energy effciency through use of new technologies and high-performance compressor.

Indoor Unit

MSXY-FN07/10/13/18VE
Dimension (W x D x H): 799 x 232 x 290 mm

MSXY-FN20/24VE
Dimension (W x D x H): 923 x 250 x 305 mm

Outdoor Unit

MXY-2G20VA2
Dimension (W x D x H):
800 x 285 x 550 mm

MXY-3G28VA2 / MXY-4G33VA2
Dimension (W x D x H):
840 x 330 x 710 mm

MXY-4G38VA2
Dimension (W x D x H):
950 x 330 x 796 mm

MXY-5G48VA2
Dimension (W x D x H):
950 x 330 x 1048 mm

Inverter Multi Split system

Model- Indoor Unit				MSXY-FN07VE	MSXY-FN10VE	MSXY-FN13VE	MSXY-FN18VE	MSXY-FN20VE	MSXY-FN24VE
Rated Capacity			kW	2.0	2.8	3.5	5.0	6.0	7.1
Power Input			kW	0.021	0.028	0.036	0.042	0.059	
Running Current			A	0.21	0.27	0.33	0.38	0.52	
Airflow Rate			m3/min	11.1	12.9	14.1	14.8	19.9	
Sound Level *			dB(A)	19-42	19-45	19-47	28-49	30-50	
Dimension (W x D x H)			mm	799 x 232 x 290				923 x 250 x 305	
Net Weight			Kg	9				13	
External Piping	Diameter	Gas (Φ)	mm	9.52			12.70		15.88
		Liquid (Φ)	mm	6.35					9.52

Model- Outdoor Unit				MXY-2G20VA2	MXY-3G28VA2	MXY-4G33VA2	MXY-4G38VA2	MXY-5G48VA2
Capacity			kW	4.5 (1.3-6.5)	6.0 (1.3-8.9)	6.6 (1.3-10.7)	7.4 (1.4-11.2)	9.2 (1.4-13.5)
Total Power Input			kW	0.925	1.23	1.35	1.52	1.89
Full load COP				4.94	4.89	4.92	4.97	4.94
Weighted COP **				5.94	5.6	5.72	5.79	5.61
Running Current			A	4.47	5.57	6.11	6.88	8.56
Dimension (W x D x H)			mm	800 x 285 x 550	840 x 330 x 710		950 x 330 x796	950 x 330 x 1048
Net Weight			kg	38	53	54	62	86
Sound Level *			dB(a)	49	53			
External Piping	Diameter	Gas (Φ)	mm	2 nos. x 9.52	3 nos. x 9.52	(1 no. x 12.70) + (3 nos. x 9.52)		(1 no. x 12.70) + (4 nos. x 9.52)
		Liquid (Φ)	mm	2 nos. x 6.35	3 nos. x 6.35	4 nos. x 6.35		5 nos. x 6.35
Piping Length	Max Length (Each)		m	20	25			
	* Total Length		m	30	60		70	80
Power Supply			V, Phase, Hz	230, 1, 50				
No. of connectable indoor units (System)				2	3	4		5
Function & Type				Cooling, Wall-mounted				
Energy Labelling Scheme				Excellent ✓✓✓✓✓ 462 1711kWh	Excellent ✓✓✓✓✓ 635 2354kWh	Excellent ✓✓✓✓✓ 683 2529kWh	Excellent ✓✓✓✓✓ 754 2792kWh	Excellent ✓✓✓✓✓ 963 3568kWh

*Note: Sound level is measured in anechoic chambers.
** Tested based on NEA energy labelling scheme.

Mitsubishi Electric starMEX Air-Conditioner

Inverter Multi Split system MXY series

Model			EASY CLEAN, WIDE & LONG	
Outdoor			MXY-3A28VA	MXY-4A38VA
Indoor			MSY-GE10VA / MSY-GE13VA / MSY-GE18VA / MSY-GE24VA / MSY-GE26VA	
No. of connectable indoor units (System)			3	4
Function & type			Cooling, Wall-mounted	
Capacity		kW	Please refer to the chart on pages 15-18	
Power input		kW		
Full load COP			3.36	3.63
Weighted COP**			4.45	4.57
Max Running current (Indoor only)		A	MSY-GE10VA : 0.22 / MSY-GE13VA : 0.29 / MSY-GE18VA : 0.39 / MSY-GE24/26VA : 0.55	
Airflow (High)		CMM(m³/min)	MSY-GE10VA :11.4 / MSY-GE13VA : 12.8 / MSY-GE18VA : 15.1 / MSY-GE24/26VA : 20.7#	
Dimension (W x D x H)	Indoor	mm	MSY-GE10/13/18VA : 798 X 232 X 295 / MSY-GE24/26VA : 1,100 X 238 X 325	
	Outdoor	mm	840 X 330 X 710	900 X 320(+35) X 900
Net weight	Indoor	kg	MSY-GE10/13/18VA :10 / MSY-GE24/26VA : 16	
	Outdoor	kg	57	67
*Sound level (Silent - High)	Indoor	dB(A)	MSY-GE10VA : (19-40) / MSY-GE13VA : (19-45) / MSY-GE18VA : (28-49) MSY-GE24/26VA : (30-53#)	
	Outdoor	dB(A)	49	46
Connection method	Indoor/Outdoor		Flared	
External piping Diameter	Gas (ø)	mm	MSY-GE10/13VA : 9.52 / MSY-GE18VA : 12.70 / MSY-GE24/26VA : 15.88	
	Liquid (ø)	mm	MSY-GE10/13/18VA : 6.35 / MSY-GE24/26VA : 9.52	
Piping Length Max. length	Total - Each	m	60 - 25	70 - 25
Max. height		m	15	
Power supply		V, Phase, Hz	230, 1, 50	
Energy labelling scheme				

*Note: Sound level is measured in anechoic chambers. ** Tested based on NEA energy labelling scheme.
*Super high + long + powerful mode

Specifications

Type		Name	Rated Capacity (kW)	Max Running Current (A)	Fan speed	Airflow (High) (m³/min)	Sound level (dB(A))	Dimensions (WxDxH)	Net weight (Kg)	Pipe size (mm)	Remote controller	External static pressure
Ceiling cassette	PLA-RP	PLA-RP35BA	3.5	0.22	4 steps	15.0	27-31	840 x 840 x 258	28	6.35 / 12.70	Wireless(S) / Wired(O)	-
		PLA-RP50BA	5.0	0.36	4 steps	18.0	28-32	840 x 840 x 258	28	6.35 / 12.70	Wireless(S) / Wired(O)	-
		PLA-RP71BA	7.1	0.51	4 steps	21.0	28-34	840 x 840 x 258	29	9.52 / 15.88	Wireless(S) / Wired(O)	-
Ceiling Cassette	MLZ	MLZ-KA50VA	5.0	0.30	3 steps	11.4	34-43	1102 x 360 x 175	18.5	6.35 / 12.70	Wireless(S)	-
Compact ceiling concealed	SEZ-KD	SEZ-KD35VAL	3.5	0.46	4 steps	11.0	23-33	900 x 700 x 200	21	6.35 / 9.52	Wireless(S) / Wired(O)	5/15/35/50
		SEZ-KD50VAL	5.0	0.63	4 steps	15.0	30-37	900 x 700 x 200	23	6.35 / 12.70	Wireless(S) / Wired(O)	5/15/35/50
		SEZ-KD71VAL	7.1	0.84	4 steps	20.0	30-40	1100 x 700 x 200	27	9.52 / 15.88	Wireless(S) / Wired(O)	5/15/35/50
Ceiling concealed	PEAD-RP	PEAD-RP50JA(L)	5.0	1.39	3 steps	17.0	26-35	900 x 732 x 250	28	6.35 /12.70	Wireless(S) / Wired(O)	35/50/70/100/150
		PEAD-RP60JA(L)	6.0	1.62	3 steps	21.0	25-33	1100 x 732 x 250	33	9.52 / 15.88	Wireless(S) / Wired(O)	35/50/70/100/150
		PEAD-RP71JA(L)	7.1	1.97	3 steps	25.0	26-34	1100 x 732 x 250	33	9.52 15.88	Wireless(S) / Wired(O)	35/50/70/100/150
Wall mounted	MSY-EF	MSY-EF10VA	2.5	0.14	5 steps	8.3	21-42	895 x 195 x 299	11.5	6.35 / 9.52	Wireless(S)	-
		MSY-EF13VA	3.5	0.14	5 steps	8.3	21-42	895 x 195 x 299	11.5	6.35 / 9.52	Wireless(S)	-
		MSY-EF18VA	5.0	0.18	5 steps	9.3	30-43	895 x 195 x 299	11.5	6.35 / 12.70	Wireless(S)	-

*PEAD-RP60JA(L) and PEAD-RP71JA(L) can be connected to MXY-4A38VA only.
Total Indoor Running current must not exceed 3Amps when connecting to PEAD series.

Legend: (S)-Standard, (O)-Optional

PLA-RP35/50/71BA

(Optional)

MLZ-KA50VA

SEZ-KD35/50/71VAL

PEAD-RP50/60/71JA(L)

(Optional)

MSY-EF10/13/18VA

CAPACITY

Mitsubishi Electric starMEX Air-Conditioner

Inverter Multi Split System MXY Series *(For private dwellings & HDB flats without current limitation)*

Outdoor unit	Indoor unit combination (A + B + C + D)		Capacity of each indoor unit (kW) A	B	C	D	Total capacity (kW) Nominal Rating	Min.	Max.	Total power input (kW) Nominal Rating	Min.	Max.	Total running current (A) Nominal Rating	Min.	Max.
MXY-3A28VA	1 Room	10	2.50	–	–	–	2.50	1.40	3.50	0.59	0.45	0.85	2.59	1.98	3.73
		13	3.50	–	–	–	3.50	1.50	4.30	0.81	0.45	1.00	3.56	1.98	4.39
		18	5.00	–	–	–	5.00	1.60	5.90	1.23	0.48	1.64	5.40	2.11	7.20
		24	6.00	–	–	–	6.00	1.60	6.60	1.72	0.54	1.95	7.55	2.37	8.56
		26	7.10	–	–	–	7.10	1.70	7.50	2.55	0.54	2.80	11.20	2.37	12.30
	2 Rooms	10+10	2.50	2.50	–	–	5.00	2.00	6.50	1.28	0.60	1.89	5.62	2.64	8.30
		10+13	2.50	3.50	–	–	6.00	2.00	6.80	1.74	0.60	2.06	7.64	2.64	9.05
		10+18	2.50	4.70	–	–	7.20	2.00	7.60	2.62	0.63	2.83	11.51	2.77	12.43
		10+24	2.20	5.00	–	–	7.20	2.00	8.20	2.62	0.64	3.22	11.51	2.81	14.14
		10+26	2.10	5.10	–	–	7.20	2.00	8.20	2.62	0.64	3.22	11.51	2.81	14.14
		13+13	3.50	3.50	–	–	7.00	2.00	7.40	2.36	0.60	2.59	10.36	2.64	11.37
		13+18	3.20	4.00	–	–	7.20	2.00	7.60	2.62	0.63	2.83	11.51	2.77	12.43
		13+24	3.00	4.20	–	–	7.20	2.00	8.20	2.62	0.64	3.22	11.51	2.81	14.14
		13+26	2.90	4.30	–	–	7.20	2.00	8.20	2.62	0.64	3.22	11.51	2.81	14.14
		18+18	3.60	3.60	–	–	7.20	2.00	7.50	2.62	0.66	2.84	11.51	2.90	12.47
		18+24	3.41	4.09	–	–	7.50	2.00	8.00	2.57	0.68	2.90	11.29	2.99	12.74
		18+26	3.10	4.40	–	–	7.50	2.00	8.00	2.57	0.68	2.90	11.29	2.99	12.74
		24+24	3.75	3.75	–	–	7.50	2.00	8.40	2.43	0.70	3.00	10.67	3.07	13.18
		24+26	3.44	4.06	–	–	7.50	2.00	8.40	2.43	0.70	3.00	10.67	3.07	13.18
	3 Rooms	10+10+10	2.50	2.50	2.50	–	7.50	2.90	8.90	2.18	0.76	2.88	9.57	3.34	12.65
		10+10+13	2.21	2.21	3.08	–	7.50	2.90	8.90	2.18	0.76	2.88	9.57	3.34	12.65
		10+10+18	1.88	1.88	3.74	–	7.50	2.90	8.90	2.10	0.79	2.88	9.22	3.47	12.65
		10+10+24	1.70	1.70	4.10	–	7.50	2.90	8.90	2.08	0.80	2.88	9.13	3.51	12.65
		10+10+26	1.55	1.55	4.40	–	7.50	2.90	8.90	2.08	0.80	2.88	9.13	3.51	12.65
		10+13+13	1.98	2.76	2.76	–	7.50	2.90	8.90	2.18	0.76	2.88	9.57	3.34	12.65
		10+13+18	1.70	2.39	3.41	–	7.50	2.90	8.90	2.10	0.79	2.88	9.22	3.47	12.65
		10+13+24	1.56	2.19	3.75	–	7.50	2.90	8.90	2.08	0.80	2.88	9.13	3.51	12.65
		10+13+26	1.44	2.00	4.06	–	7.50	2.90	8.90	2.08	0.80	2.88	9.13	3.51	12.65
		10+18+18	1.50	3.00	3.00	–	7.50	2.90	8.90	2.08	0.82	2.88	9.13	3.60	12.65
		10+18+24	1.39	2.78	3.33	–	7.50	2.90	8.90	2.04	0.83	2.88	8.96	3.65	12.65
		10+18+26	1.28	2.57	3.65	–	7.50	2.90	8.90	2.04	0.83	2.88	8.96	3.65	12.65
		13+13+13	2.50	2.50	2.50	–	7.50	2.90	8.90	2.18	0.76	2.88	9.57	3.34	12.65
		13+13+18	2.19	2.19	3.12	–	7.50	2.90	8.90	2.10	0.79	2.88	9.22	3.47	12.65
		13+13+24	2.02	2.02	3.46	–	7.50	2.90	8.90	2.08	0.80	2.88	9.13	3.51	12.65
		13+13+26	1.86	1.86	3.78	–	7.50	2.90	8.90	2.08	0.80	2.88	9.13	3.51	12.65
		13+18+18	1.94	2.78	2.78	–	7.50	2.90	8.90	2.08	0.82	2.88	9.13	3.60	12.65
		13+18+24	1.82	2.58	3.10	–	7.50	2.90	8.90	2.04	0.82	2.88	8.96	3.60	12.65
MXY-4A38VA	1 Room	10	2.50	–	–	–	2.50	1.40	3.50	0.59	0.43	0.81	2.59	1.89	3.56
		13	3.50	–	–	–	3.50	1.40	4.30	0.81	0.43	1.00	3.56	1.89	4.39
		18	5.00	–	–	–	5.00	1.50	6.10	1.23	0.47	1.64	5.40	2.06	7.20
		24	6.00	–	–	–	6.00	1.60	6.70	1.72	0.47	1.93	7.55	2.06	8.48
		26	7.10	–	–	–	7.10	1.60	8.50	2.55	0.47	3.48	11.20	2.06	15.28
	2 Rooms	10+10	2.50	2.50	–	–	5.00	2.00	6.50	1.18	0.64	1.89	5.18	2.81	8.30
		10+13	2.50	3.50	–	–	6.00	2.00	7.30	1.61	0.64	2.35	7.07	2.81	10.32
		10+18	2.50	5.00	–	–	7.50	2.00	8.50	2.46	0.64	3.28	10.80	2.81	14.40
		10+24	2.50	6.00	–	–	8.50	2.00	8.70	3.32	0.65	3.48	14.58	2.85	15.28
		10+26	2.27	6.43	–	–	8.70	2.00	8.80	3.38	0.65	3.48	14.84	2.85	15.28
		13+13	3.50	3.50	–	–	7.00	2.00	8.80	2.22	0.64	3.33	9.75	2.81	14.62
		13+18	3.50	5.00	–	–	8.50	2.00	8.90	3.32	0.64	3.48	14.58	2.81	15.28
		13+24	3.21	5.49	–	–	8.70	2.00	9.10	3.27	0.65	3.48	14.36	2.85	15.28
		13+26	2.87	5.83	–	–	8.70	2.00	9.10	3.20	0.65	3.48	14.05	2.85	15.28
		18+18	4.35	4.35	–	–	8.70	2.10	9.10	3.20	0.69	3.48	14.05	3.03	15.28
		18+24	4.00	4.80	–	–	8.80	2.10	9.20	3.20	0.69	3.48	14.05	3.03	15.28
		18+26	3.64	5.16	–	–	8.80	2.10	9.20	3.20	0.69	3.48	14.05	3.03	15.28
		24+24	4.40	4.40	–	–	8.80	2.10	9.20	3.20	0.69	3.48	14.05	3.03	15.28
		24+26	4.03	4.77	–	–	8.80	2.10	9.20	3.20	0.69	3.48	14.05	3.03	15.28
		26+26	4.40	4.40	–	–	8.80	2.10	9.20	3.20	0.69	3.48	14.05	3.03	15.28
	3 Rooms	10+10+10	2.50	2.50	2.50	–	7.50	2.90	10.00	1.88	0.78	3.48	8.26	3.43	15.28
		10+10+13	2.50	2.50	3.50	–	8.50	2.90	10.00	2.33	0.78	3.48	10.23	3.43	15.28
		10+10+18	2.28	2.28	4.54	–	9.10	2.90	10.60	2.52	0.81	3.48	11.07	3.56	15.28
		10+10+24	2.07	2.07	4.96	–	9.10	2.90	10.60	2.51	0.81	3.48	11.02	3.56	15.28
		10+10+26	1.88	1.88	5.34	–	9.10	2.90	10.60	2.51	0.81	3.48	11.02	3.56	15.28
		10+13+13	2.36	3.32	3.32	–	9.00	2.90	10.60	2.54	0.78	3.48	11.16	3.43	15.28
		10+13+18	2.07	2.90	4.13	–	9.10	2.90	10.60	2.51	0.81	3.48	11.02	3.56	15.28
		10+13+24	1.90	2.65	4.55	–	9.10	2.90	10.60	2.51	0.81	3.48	11.02	3.56	15.28
		10+13+26	1.76	2.46	4.98	–	9.20	2.90	10.70	2.59	0.81	3.48	11.37	3.56	15.28
		10+18+18	1.84	3.68	3.68	–	9.20	2.90	10.70	2.58	0.81	3.48	11.33	3.56	15.28
		10+18+24	1.70	3.42	4.08	–	9.20	2.90	10.70	2.58	0.81	3.48	11.33	3.56	15.28
		10+18+26	1.58	3.15	4.47	–	9.20	2.90	10.70	2.56	0.81	3.48	11.24	3.56	15.28
		10+24+24	1.58	3.81	3.81	–	9.20	2.90	10.70	2.55	0.81	3.48	11.20	3.56	15.28
		13+13+13	3.00	3.00	3.00	–	9.00	2.90	10.60	2.52	0.81	3.48	11.07	3.56	15.28
		13+13+18	2.65	2.65	3.80	–	9.10	2.90	10.60	2.51	0.81	3.48	11.02	3.56	15.28
		13+13+24	2.48	2.48	4.24	–	9.20	2.90	10.70	2.59	0.81	3.48	11.37	3.56	15.28
		13+13+26	2.28	2.28	4.64	–	9.20	2.90	10.70	2.59	0.81	3.48	11.37	3.56	15.28
		13+18+18	2.38	3.41	3.41	–	9.20	2.90	10.70	2.58	0.81	3.48	11.33	3.56	15.28
		13+18+24	2.22	3.17	3.81	–	9.20	2.90	10.70	2.56	0.81	3.48	11.24	3.56	15.28
		13+24+24	2.08	3.56	3.56	–	9.20	2.90	10.80	2.55	0.81	3.48	11.20	3.56	15.28
		18+18+18	3.06	3.06	3.06	–	9.18	2.90	10.80	2.53	0.83	3.48	11.11	3.65	15.28
	4 Rooms	10+10+10+10	2.30	2.30	2.30	2.30	9.20	3.70	11.20	2.48	0.93	3.48	10.89	4.08	15.28
		10+10+10+13	2.09	2.09	2.09	2.93	9.20	3.70	11.20	2.48	0.93	3.48	10.89	4.08	15.28
		10+10+10+18	1.84	1.84	1.84	3.68	9.20	3.70	11.20	2.45	0.93	3.45	10.76	4.08	15.15
		10+10+10+24	1.70	1.70	1.70	4.10	9.20	3.70	11.20	2.44	0.93	3.44	10.72	4.08	15.11
		10+10+10+26	1.58	1.58	1.58	4.46	9.20	3.70	11.20	2.44	0.93	3.44	10.72	4.08	15.11
		10+10+13+13	1.92	1.92	2.68	2.68	9.20	3.70	11.20	2.48	0.93	3.48	10.89	4.08	15.28
		10+10+13+18	1.70	1.70	2.39	3.41	9.20	3.70	11.20	2.45	0.93	3.45	10.76	4.08	15.15
		10+10+13+24	1.59	1.59	2.22	3.80	9.20	3.70	11.20	2.44	0.93	3.44	10.72	4.08	15.11
		10+10+13+26	1.47	1.47	2.07	4.19	9.20	3.70	11.20	2.44	0.93	3.44	10.72	4.08	15.11
		10+10+18+18	1.53	1.53	3.07	3.07	9.20	3.70	11.20	2.41	0.95	3.41	10.58	4.17	14.98
		10+13+13+13	1.76	2.48	2.48	2.48	9.20	3.70	11.20	2.48	0.93	3.48	10.89	4.08	15.28
		10+13+13+18	1.59	2.22	2.22	3.17	9.20	3.70	11.20	2.45	0.93	3.45	10.76	4.08	15.15
		10+13+13+24	1.48	2.08	2.08	3.56	9.20	3.70	11.20	2.44	0.93	3.44	10.72	4.08	15.11
		13+13+13+13	2.30	2.30	2.30	2.30	9.20	3.70	11.20	2.48	0.93	3.48	10.89	4.08	15.28
		13+13+13+18	2.08	2.08	2.08	2.96	9.20	3.70	11.20	2.45	0.93	3.45	10.76	4.08	15.15
		13+13+13+24	1.95	1.95	1.95	3.35	9.20	3.70	11.20	2.45	0.93	3.45	10.76	4.08	15.15

CAPACITY

Mitsubishi Electric starMEX Air-Conditioner

Inverter Multi Split System *MXY Series* *(For HDB flats with limited current)*

Outdoor unit	Indoor unit combination		Capacity of each indoor unit (kW)				Total capacity (kW)			Total power input (kW)			Total running current (A)		
	(A + B + C + D)		A	B	C	D	Nominal Rating	Min.	Max.	Nominal Rating	Min.	Max.	Nominal Rating	Min.	Max.
MXY-3A28VA (8.5A)	1 Room	10	2.50	–	–	–	2.50	1.40	3.50	0.59	0.45	0.85	2.59	1.98	3.73
		13	3.50	–	–	–	3.50	1.50	4.30	0.81	0.45	1.00	3.56	1.98	4.39
		18	5.00	–	–	–	5.00	1.60	5.90	1.23	0.48	1.64	5.40	2.11	7.20
		24	6.00	–	–	–	6.00	1.60	6.60	1.72	0.54	1.95	7.55	2.37	8.56
		26	6.70	–	–	–	6.70	1.70	6.70	1.93	0.54	1.93	8.48	2.37	8.48
	2 Rooms	10+10	2.50	2.50	–	–	5.00	2.00	6.50	1.28	0.60	1.89	5.62	2.64	8.30
		10+13	2.50	3.50	–	–	6.00	2.00	6.60	1.74	0.60	1.93	7.64	2.64	8.48
		10+18	2.25	4.45	–	–	6.70	2.00	6.70	1.91	0.63	1.91	8.39	2.77	8.39
		10+24	1.99	4.71	–	–	6.70	2.00	6.70	1.91	0.64	1.91	8.39	2.81	8.39
		10+26	1.77	4.93	–	–	6.70	2.00	6.70	1.91	0.64	1.91	8.39	2.81	8.39
		13+13	3.35	3.35	–	–	6.70	2.00	6.70	1.93	0.60	1.93	8.48	2.64	8.48
		13+18	2.77	3.93	–	–	6.70	2.00	6.70	1.91	0.63	1.91	8.39	2.77	8.39
		13+24	2.48	4.22	–	–	6.70	2.00	6.70	1.91	0.64	1.91	8.39	2.81	8.39
		13+26	2.23	4.47	–	–	6.70	2.00	6.70	1.91	0.64	1.91	8.39	2.81	8.39
		18+18	3.35	3.35	–	–	6.70	2.00	6.70	1.91	0.66	1.91	8.39	2.90	8.39
		18+24	3.05	3.65	–	–	6.70	2.00	6.70	1.91	0.68	1.91	8.39	2.99	8.39
		18+26	2.80	3.90	–	–	6.70	2.00	6.70	1.91	0.68	1.91	8.39	2.99	8.39
		24+24	3.35	3.35	–	–	6.70	2.00	6.70	1.91	0.70	1.91	8.39	3.07	8.39
		24+26	3.07	3.63	–	–	6.70	2.00	6.70	1.91	0.70	1.91	8.39	3.07	8.39
	3 Rooms	10+10+10	2.40	2.40	2.40	–	7.20	2.90	7.20	1.90	0.76	1.90	8.34	3.34	8.34
		10+10+13	2.11	2.11	2.98	–	7.20	2.90	7.20	1.90	0.76	1.90	8.34	3.34	8.34
		10+10+18	1.78	1.78	3.64	–	7.20	2.90	7.20	1.90	0.79	1.90	8.34	3.47	8.34
		10+10+24	1.60	1.60	4.00	–	7.20	2.90	7.20	1.90	0.80	1.90	8.34	3.51	8.34
		10+10+26	1.45	1.45	4.30	–	7.20	2.90	7.20	1.90	0.80	1.90	8.34	3.51	8.34
		10+13+13	1.88	2.66	2.66	–	7.20	2.90	7.20	1.90	0.76	1.90	8.34	3.34	8.34
		10+13+18	1.60	2.29	3.31	–	7.20	2.90	7.20	1.90	0.79	1.90	8.34	3.47	8.34
		10+13+24	1.46	2.09	3.65	–	7.20	2.90	7.20	1.90	0.80	1.90	8.34	3.51	8.34
		10+13+26	1.34	1.90	3.96	–	7.20	2.90	7.20	1.90	0.80	1.90	8.34	3.51	8.34
		10+18+18	1.40	2.90	2.90	–	7.20	2.90	7.20	1.90	0.82	1.90	8.34	3.60	8.34
		10+18+24	1.29	2.68	3.23	–	7.20	2.90	7.20	1.90	0.83	1.90	8.34	3.65	8.34
		10+18+26	1.18	2.47	3.55	–	7.20	2.90	7.20	1.90	0.83	1.90	8.34	3.65	8.34
		13+13+13	2.40	2.40	2.40	–	7.20	2.90	7.20	1.90	0.76	1.90	8.34	3.34	8.34
		13+13+18	2.09	2.09	3.02	–	7.20	2.90	7.20	1.90	0.79	1.90	8.34	3.47	8.34
		13+13+24	1.92	1.92	3.36	–	7.20	2.90	7.20	1.90	0.80	1.90	8.34	3.51	8.34
		13+13+26	1.76	1.76	3.68	–	7.20	2.90	7.20	1.90	0.80	1.90	8.34	3.51	8.34
		13+18+18	1.84	2.68	2.68	–	7.20	2.90	7.20	1.90	0.82	1.90	8.34	3.60	8.34
		13+18+24	1.72	2.48	3.00	–	7.20	2.90	7.20	1.90	0.82	1.90	8.34	3.60	8.34
MXY-4A38VA (8.5A)	1 Room	10	2.50	–	–	–	2.50	1.40	3.50	0.59	0.43	0.81	2.59	1.89	3.56
		13	3.50	–	–	–	3.50	1.40	4.30	0.81	0.43	1.00	3.56	1.89	4.39
		18	5.00	–	–	–	5.00	1.50	6.10	1.23	0.47	1.64	5.40	2.06	7.20
		24	6.00	–	–	–	6.00	1.60	6.70	1.72	0.47	1.93	7.55	2.06	8.48
		26	6.70	–	–	–	6.70	1.60	6.70	1.93	0.47	1.93	8.48	2.06	8.48
	2 Rooms	10+10	2.50	2.50	–	–	5.00	2.00	6.50	1.18	0.64	1.89	5.18	2.81	8.30
		10+13	2.50	3.50	–	–	6.00	2.00	6.60	1.61	0.64	1.89	7.07	2.81	8.30
		10+18	2.20	4.40	–	–	6.60	2.00	6.60	1.93	0.64	1.93	8.48	2.81	8.48
		10+24	1.94	4.66	–	–	6.60	2.00	6.60	1.93	0.65	1.93	8.48	2.85	8.48
		10+26	1.72	4.88	–	–	6.60	2.00	6.60	1.93	0.65	1.93	8.48	2.85	8.48
		13+13	3.25	3.25	–	–	6.50	2.00	6.50	1.93	0.64	1.93	8.48	2.81	8.48
		13+18	2.72	3.88	–	–	6.60	2.00	6.60	1.93	0.64	1.93	8.48	2.81	8.48
		13+24	2.43	4.17	–	–	6.60	2.00	6.60	1.93	0.65	1.93	8.48	2.85	8.48
		13+26	2.18	4.42	–	–	6.60	2.00	6.60	1.93	0.65	1.93	8.48	2.85	8.48
		18+18	3.35	3.35	–	–	6.70	2.10	6.70	1.93	0.69	1.93	8.48	3.03	8.48
		18+24	3.05	3.65	–	–	6.70	2.10	6.70	1.93	0.69	1.93	8.48	3.03	8.48
		18+26	2.80	3.90	–	–	6.70	2.10	6.70	1.93	0.69	1.93	8.48	3.03	8.48
		24+24	3.35	3.35	–	–	6.70	2.10	6.70	1.93	0.69	1.93	8.48	3.03	8.48
		24+26	3.07	3.63	–	–	6.70	2.10	6.70	1.93	0.69	1.93	8.48	3.03	8.48
		26+26	3.35	3.35	–	–	6.70	2.10	6.70	1.93	0.69	1.93	8.48	3.03	8.48
	3 Rooms	10+10+10	2.50	2.50	2.50	–	7.50	2.90	7.60	1.88	0.78	1.93	8.26	3.43	8.48
		10+10+13	2.24	2.24	3.12	–	7.60	2.90	7.60	1.93	0.78	1.93	8.48	3.43	8.48
		10+10+18	1.95	1.95	3.90	–	7.80	2.90	7.80	1.93	0.81	1.93	8.48	3.56	8.48
		10+10+24	1.77	1.77	4.26	–	7.80	2.90	7.80	1.92	0.81	1.92	8.43	3.56	8.43
		10+10+26	1.61	1.61	4.58	–	7.80	2.90	7.80	1.92	0.81	1.92	8.43	3.56	8.43
		10+13+13	2.00	2.80	2.80	–	7.60	2.90	7.60	1.93	0.78	1.93	8.48	3.43	8.48
		10+13+18	1.77	2.48	3.55	–	7.80	2.90	7.80	1.93	0.81	1.93	8.48	3.56	8.48
		10+13+24	1.63	2.27	3.90	–	7.80	2.90	7.80	1.92	0.81	1.92	8.43	3.56	8.43
		10+13+26	1.49	2.08	4.23	–	7.80	2.90	7.80	1.93	0.81	1.92	8.48	3.56	8.43
		10+18+18	1.56	3.12	3.12	–	7.80	2.90	7.80	1.93	0.81	1.93	8.48	3.56	8.48
		10+18+24	1.44	2.89	3.47	–	7.80	2.90	7.80	1.92	0.81	1.92	8.43	3.56	8.43
		10+18+26	1.34	2.67	3.79	–	7.80	2.90	7.80	1.92	0.81	1.92	8.43	3.56	8.43
		10+24+24	1.34	3.23	3.23	–	7.80	2.90	7.80	1.91	0.81	1.91	8.39	3.56	8.39
		13+13+13	2.53	2.53	2.53	–	7.59	2.90	7.59	1.93	0.81	1.93	8.48	3.56	8.48
		13+13+18	2.28	2.28	3.24	–	7.80	2.90	7.80	1.93	0.81	1.93	8.48	3.56	8.48
		13+13+24	2.10	2.10	3.60	–	7.80	2.90	7.80	1.92	0.81	1.92	8.43	3.56	8.43
		13+13+26	1.94	1.94	3.92	–	7.80	2.90	7.80	1.92	0.81	1.92	8.43	3.56	8.43
		13+18+18	2.02	2.89	2.89	–	7.80	2.90	7.80	1.93	0.81	1.93	8.48	3.56	8.48
		13+18+24	1.88	2.69	3.23	–	7.80	2.90	7.80	1.92	0.81	1.92	8.43	3.56	8.43
		13+24+24	1.76	3.02	3.02	–	7.80	2.90	7.80	1.92	0.81	1.92	8.43	3.56	8.43
		18+18+18	2.60	2.60	2.60	–	7.80	2.90	7.80	1.91	0.83	1.91	8.39	3.65	8.39
	4 Rooms	10+10+10+10	2.00	2.00	2.00	2.00	8.00	3.70	8.00	1.93	0.93	1.93	8.48	4.08	8.48
		10+10+10+13	1.82	1.82	1.82	2.54	8.00	3.70	8.00	1.93	0.93	1.93	8.48	4.08	8.48
		10+10+10+18	1.60	1.60	1.60	3.20	8.00	3.70	8.00	1.93	0.93	1.93	8.48	4.08	8.48
		10+10+10+24	1.48	1.48	1.48	3.56	8.00	3.70	8.00	1.93	0.93	1.93	8.48	4.08	8.48
		10+10+10+26	1.37	1.37	1.37	3.89	8.00	3.70	8.00	1.93	0.93	1.93	8.48	4.08	8.48
		10+10+13+13	1.67	1.67	2.33	2.33	8.00	3.70	8.00	1.93	0.93	1.93	8.48	4.08	8.48
		10+10+13+18	1.48	1.48	2.08	2.96	8.00	3.70	8.00	1.93	0.93	1.93	8.48	4.08	8.48
		10+10+13+24	1.38	1.38	1.93	3.31	8.00	3.70	8.00	1.93	0.93	1.93	8.48	4.08	8.48
		10+10+13+26	1.28	1.28	1.80	3.64	8.00	3.70	8.00	1.93	0.93	1.93	8.48	4.08	8.48
		10+10+18+18	1.33	1.33	2.67	2.67	8.00	3.70	8.00	1.93	0.95	1.93	8.48	4.17	8.48
		10+13+13+13	1.55	2.15	2.15	2.15	8.00	3.70	8.00	1.93	0.93	1.93	8.48	4.08	8.48
		10+13+13+18	1.38	1.93	1.93	2.76	8.00	3.70	8.00	1.93	0.93	1.93	8.48	4.08	8.48
		10+13+13+24	1.29	1.81	1.81	3.09	8.00	3.70	8.00	1.93	0.93	1.93	8.48	4.08	8.48
		13+13+13+13	2.00	2.00	2.00	2.00	8.00	3.70	8.00	1.93	0.93	1.93	8.48	4.08	8.48
		13+13+13+18	1.81	1.81	1.81	2.57	8.00	3.70	8.00	1.93	0.93	1.93	8.48	4.08	8.48
		13+13+13+24	1.70	1.70	1.70	2.90	8.00	3.70	8.00	1.93	0.93	1.93	8.48	4.08	8.48

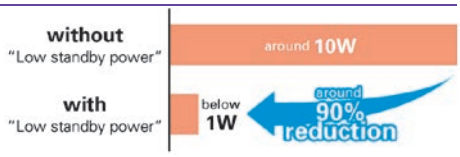
FN Series

Introducing a compact and stylist indoor unit with amazing quiet performance. Having advantage of neat installations in small bedrooms made possible, and increase in energy-savings by selecting the optimal capacity required for each room.

MSXY-FN

Low Standby Power

Electrical devices consume standby power even when they are not in actual use. While we obviously strive to reduce power consumption during actual use, reducing this wasted power that cannot be seen is also very important.



Easy Clean Design

The easily detachable panel is a snap to wash and the airflow vents can be opened without any special tools for quick cleaning of the inside of the air conditioner. It is recommended that the air conditioner be cleaned regularly as this will increase both operating efficiency and energy-savings. Always clean the heat exchanger, fan and air vent to ensure proper performance and economical operation. It reduces your electricity bill by approx. 45%*.

*Electricity bill comparison of operation under fixed temperature with 8 grams of soil on the fan and one without. Based on internal company data.

Filter　Heat exchanger　Fan

Dual Barrier Coating

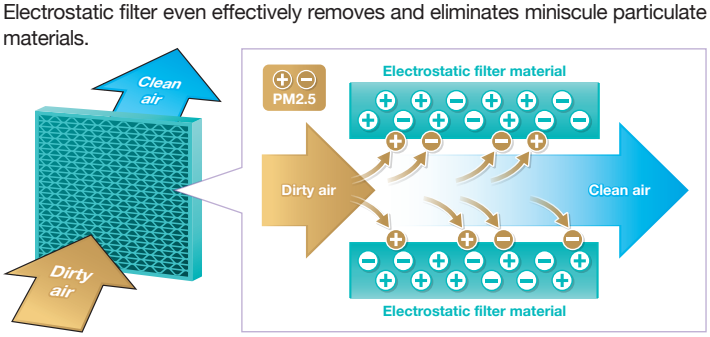
Dual Barrier Coating prevents dust and greasy dirt from sticking onto the coated air conditioner. Dirt is generally classified into two groups: hydrophilic dirt such as fiber dust and sand dust, and hydrophobic dirt such as oil and cigarette smoke. Mitsubishi Electric's unique dual barrier coating prevents both hydrophilic and hydrophobic dirt from sticking onto the air conditioner. This dual coating on the inner surface keeps the air conditioner clean all year round and improves energy efficiency while delivering comfortable clean air.

Microparticles Catching Filter

Filter effectively eliminates PM2.5 particles to maintain clean air in the room. Removal efficiency of particulates sizes ranging 0.3-2.5μm after operation for 200min using MSXY-FN20VE microparticle entrapment filter in 28m³ enclosed space with tidal air circulation volume of 0.5/hr (in-house test).

Effectively catches floating PM2.5 particles to maintain clean air in the room.

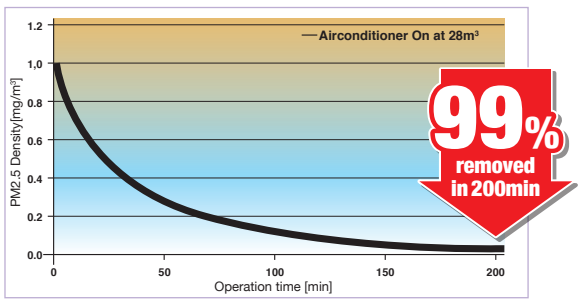
Electrostatic filter even effectively removes and eliminates miniscule particulate materials.



Microparticle catching filter

Electrostatic material removes PM2.5 from the air and absorbs it when passing through the filter

■PM2.5 removal efficiency



Test conditions: Removal efficiency of particulates sizes ranging 0.3-2.5μm after operation for 200min using FN20 microparticle catching filter in 28m³ enclosed space with tidal air circulation volume of 0.5/hr (in-house test)

PEY Series

This concealed ceiling-mounted indoor unit series is compact, and fits easily into bedrooms with lowered ceilings. Highly reliable energy savings performance makes it a best match choice for concealed unit installations.

PEY-P JA
(Connectable with MXY-G series)

Compact Ceiling Concealed Style

With our "ceiling concealed model", the air-conditioner unit itself is enclosed in the ceiling cavity, leaving only the outlet and inlet grille mounted on the ceiling surface. This greatly helps the air conditioning system to keep the quality of your interior decor.

Unit size has also been made more compact, slashing installation space and also facilitating concealed use in buildings where exposed format units have been the rule in the past.

Wider Selection of Fan Speed and Static Pressure Level

Three fan speeds (Low-Mid-High) and five static pressure levels (35-50-70-100-125Pa) are available by using the DC fan motor to meet various application needs.

External Static Pressure setting

Series	18	24
PEY-P JA	35/50/70/100/125 Pa	

Model - Indoor Unit				PEY-P18JA	PEY-P24JA
Rated Capacity			kW	5.3	7.1
Power Input			kW	0.09	0.15
Airflow Rate (Lo-Mid-High)			m3/min	12 - 14.5 - 17	17.5 - 21 - 25
Sound Level*			dB(A)	30-35-39	30-34-39
Dimension (W X D X H)			mm	900 X 732 X 250	1100 X 732 X 250
Net Weight			Kg	27	29
External Piping	Diameter	Gas Ø	mm	12.70	15.88
		Liquid Ø	mm	6.35	9.52
Static Pressure			Pa	35/50/70/100/125	

*Note: sound level is measure in anechoic chambers
(based on 50Pa)

FJ Series

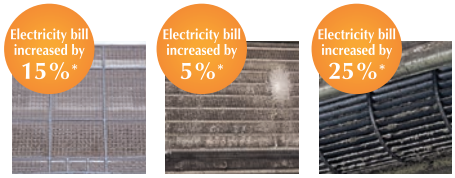
Compact, high-performance indoor and outdoor units and advanced inverter technologies provide superior energy savings and comfort in all rooms.

MSXY-FJ

Easy Clean Design

The easily detachable panel is a snap to wash and the airflow vents can be opened without any special tools for quick cleaning of the inside of the air conditioner. It is recommended that the air conditioner be cleaned regularly as this will increase both operating efficiency and energy-savings. Always clean the heat exchanger, fan and air vent to ensure proper performance and economical operation. It reduces your electricity bill by approx. 45%*.

*Electricity bill comparison of operation under fixed temperature with 8 grams of soil on the fan and one without. Based on internal company data.



Filter | Heat exchanger | Fan

Nano Platinum Filter

The filter has a large capture area and incorporates nanometre-sized platinum-ceramic particles that work to kill bacteria and deodorize the circulating air. Better dust collection than conventional filters is also ensured.

Anti-Allergy Enzyme Filter

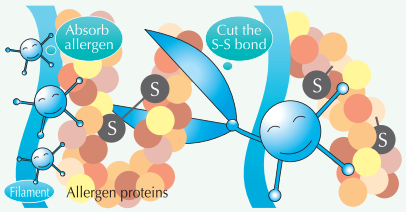
To counter allergens, we have added filters featuring artificial blue enzymes with the power to remove harmful microbes such as bacteria*1, virus*2, dust mites*3, pollen*3, etc.

The enzymes destroy any germs caught in the filter, preventing them from working their way further inside the air conditioner. However being artificial enzymes, they prevent allergies while remaining gentle on the human body.

(Confirmed by *1 Japan Spinners Inspecting Foundation test No. 007715-1,1 *2 Japan Food Research Laboratories Ref. No. 20491448-002 *3 Shinshu University)

Anti-Allergy Enzyme filter mechanism

1. Artificial enzyme (meta-phthalocyanine) catalysts on the filament catch allergens.
2. The artificial enzyme catalysts aid the chemical reaction with oxygen and sever the S-S bonds.
3. Once the S-S bonds are severed, the proteins no longer act as allergens.



Allergen protein (such as mites) → *Transformed protein (Non-allergen proteins)*

EF Series

Developed to complement modern interior room décor, StarMEX ZEN air conditioners are available in three colours specially chosen to blend in naturally wherever installed.

MSY-EF Black

Stylish Line-up Matches Any Room Décor

The streamlined wall-mounted indoor units have eloquent silver-bevelled edges, expressing sophistication and quality. Combining impressively low power consumption and quiet yet powerful performance, these units provide a best-match scenario for diverse interior designs while simultaneously ensuring maximum room and energy savings.

Weekly Timer Function

Easily sets desired temperatures and operation start/stop times to match lifestyle patterns. Reduces wasted energy consumption by using the timer to prevent forgetting to turn off the unit and eliminate temperature setting adjustments.

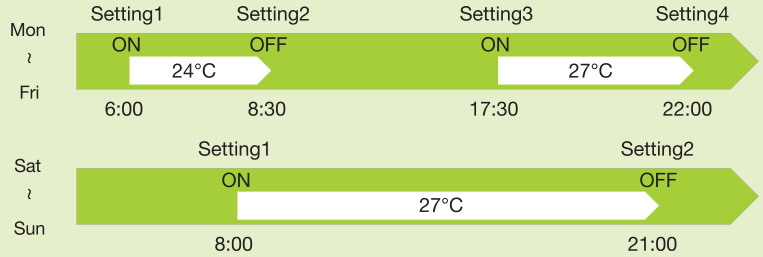
Easy Set-up Using Dedicated Buttons

The remote controller is equipped with buttons that are used exclusively for setting the Weekly Timer. Setting operation patterns is easy and quick.

Settings

- A maximum of 4 ON or OFF timers can be set for individual days of the week
- A maximum of 28 ON or OFF timers can be set for a week.

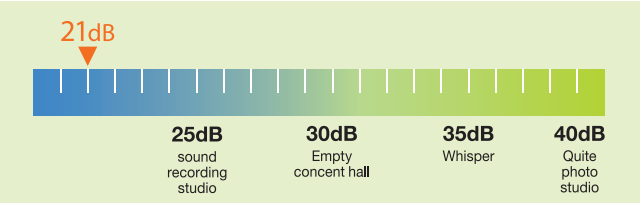
E.g. : Runs at 24°C from waking up to leaving home, and runs at 27°C from getting home to going to bed on weekdays.
Runs at 27°C from waking up late to going bed early on weekends.



Quiet Comfort All Day Long

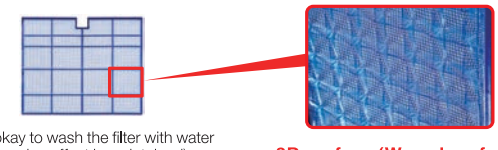
Mitsubishi Electric's advanced "Quiet Mode" fan speed setting provides super-quiet operation as low as 21dB for EF10/13 models. This unique feature makes the StarMEX ZEN series ideal for use in any situation.

● Noise Level



Nano Platinum Filter

This filter incorporates nanometre-sized platinum-ceramic particles that generate stable antibacterial and deodorizing effects. The size of the three-dimensional surface has been increased as well, enlarging the filter capture area. These features give the Nano Platinum Filter better dust collection performance than conventional filters. The superior air-cleaning effectiveness raises room comfort yet another level.

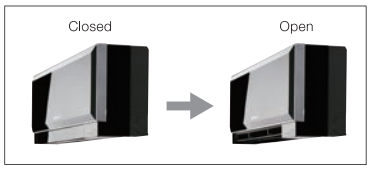


✻ It is okay to wash the filter with water (air-cleaning effect is maintained)

3D surface (Waved surface)

Superior Exterior and Operating Design Concept

The indoor unit of the StarMEX ZEN keeps its amazingly thin form even during operation. The only physical change noticeable is the movement of the variable vent. As a result, a slim attractive look is maintained.



PLA Series

New 4-way Ceiling Cassette Provided with Radiation Temperature Sensor, "i-see sensor," Presents Advanced and Upgraded Thermal Comfort.

Fully Evolved New 4-way Ceiling Cassette

Wide Airflow

The new wide shape vane capable of wide angle air supply provides comfort even at the corners of a room regardless of cooling and heating operation. A reduction in the air speed by 20% compared to the conventional product eliminates uncomfortable draft sensation for friendly air conditioning.

Conventional product

New product

Draft-less Air Distribution

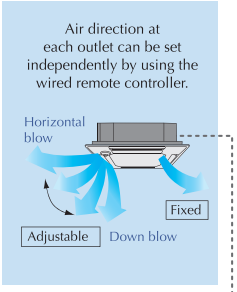
The horizontal blow mode] newly employed supplies airflow horizontally not bringing cooled/warmed air directly to occupants thus preventing discomfort sensation due to excessive cooling or direct exposing of occupants to the air blow.

- Default
- The ceiling may be smudged at a spot where the supplied airflow is seriously disturbed.

Draft-less air distribution can be performed by horizontal blow.

Setting of Airflow Direction by Individual Vane

When the airflow direction at the outlet is desired to be changed for altering of your room layout or for switching over of cooling and heating operation at the applicable season, a troublesome work was required in the past. However, the new settings in 4-way Ceiling Cassette can changed by using the wired remote controller.

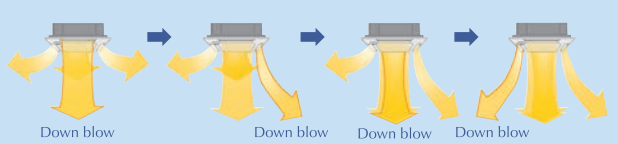


Remote Control setting

The New Swing Function Warms All Corners of the Room

The wave airflow system has 4 vanes where each vane runs independently. Repeating of horizontal and down blows with a time lag allows the conditioned warm air to be distributed evenly to room corners thus preventing uneven room temperature distribution.

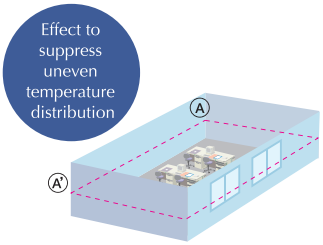
- Operation image of "Wave Airflow"

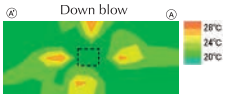


Repeating of horizontal blow and down blow with a time lag provides uniform heating fully in a room space.

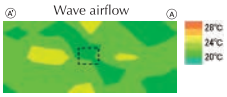
] Vertical swinging mode is adapted in the case of cooling operation.

- Thermograph of wave control effect





Uneven temperature distribution is generated.



Uniform cool air is supplied fully in a room with less uneven temperature distribution.

- Comparison was made at a time for about 20 minutes after starting of the 4-way Ceiling Cassette PLA-RP71BA. The measuring point for comparison located on a plain surface of 1.2m above the floor.

MLZ Series

Introducing a new ceiling cassette type in the Multi-Split Series, designed to streamline room interior dimensions and looks.

MLZ-KA VA

Ceiling Mounted Style

Ceiling mounted installation helps stream-line room interiors. The overhead format is also an excellent solution when lighting equipment is installed at the center of the room and fixtures like bookshelves mounted on wall surfaces.

Slim Body

This new unit is designed with a slim body only 175mm in height, ensuring easy installation even when low ceiling cavities limit installation space. Also eliminates the need for ceiling cavity service space, further reducing the dimensions required for installation.

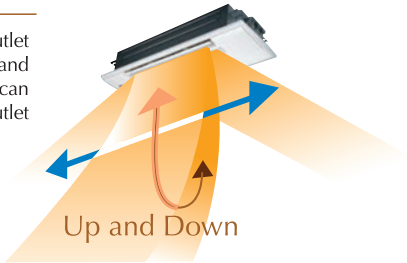
Air Volume Settings by Ceiling Height

Dual-level air volume selection is engineered to accommodate specific ceiling heights. This feature offers the key to effective adjustments when airflow is either too strong or too weak because of the mismatching of the ceiling height.

	25	35	50
Standard	2.4m	2.4m	2.4m
High ceiling	2.7m	2.7m	2.7m

Auto Vane Control

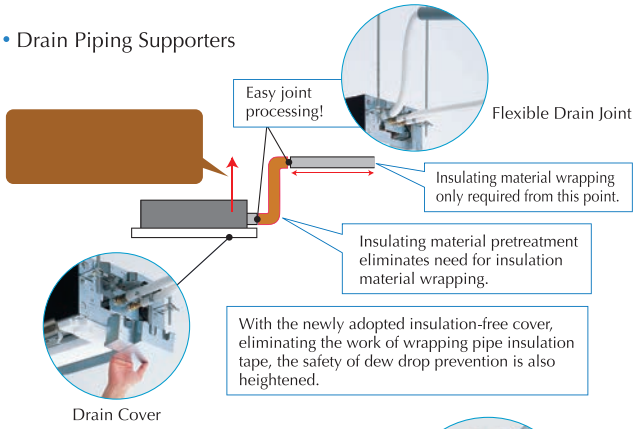
With remote controller, the air outlet can be controled left and right, and up and down. The draft problem can be solved by this improvred air outlet control.



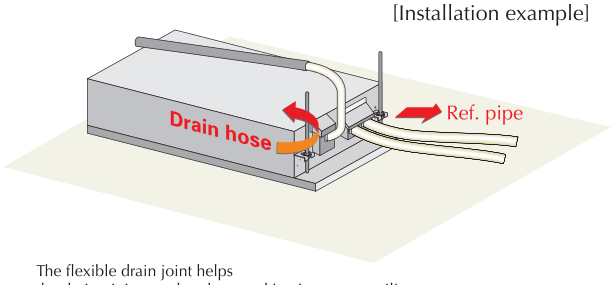
Easy Installation

Parts for greater speed and ease in the installation process are equipped. For example, a built-in drainpump (built for 500mm lift), provides flexible drain joint for easy drain hose attachment in the ceiling cavity area. Besides these, this model eliminates the need to wrap heat-insulation tape after connecting the pipes at the drain cover, a step that boosts peace of mind in preventing dew drops.

• Drain Piping Supporters



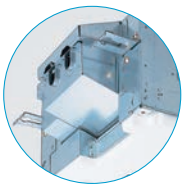
[Installation example]

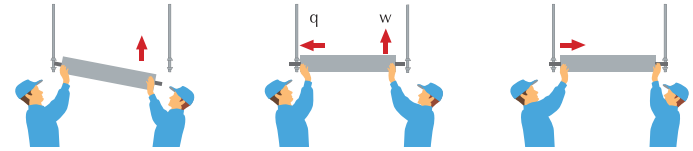


The flexible drain joint helps the drain piping works when working in narrow ceiling areas.

• Easy Mounting Plate

The well-designed mounting plate makes the suspension work easier.





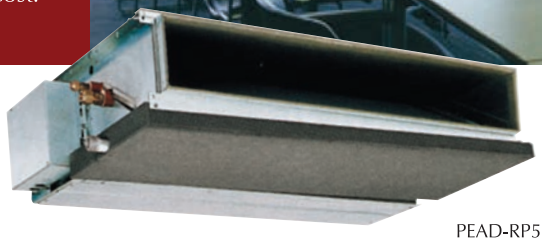
Secure one side into place

1. Push the unit over
2. Secure the other side into place

Position in the middle

PEAD Series

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



PEAD-RP50/60/71JA(L)

Compact Indoor Units

The height of the models from 35–140 has been unified to 250mm. Compared to the previous PEAD-RP EA model, the height has been reduced by as much as 75mm (models 100–140), making installation in low ceilings with minimal clearance space possible.

250mm

PEAD-RP JA (L)

Reduction of
75mm
(models 100–140)
compared to PEAD-EA

External Static Pressure

Five-stage external static pressure conversion is possible. Capable of being set to a maximum of 150Pa, units are applicable to a wide range of building types.

External static pressure setting

Series	35	50	60	71	100	125	140
PEAD-RP EA	30/70Pa			70/130 (with optional motor) Pa			
PEAD-RP GA	-	-	10/50/70Pa			-	-
PEAD-RP JA	35/50/70/100/150Pa						

External Static Pressure

The line-up consists of two types, models with or without a built-in drain pump.

PEAD-RP JA → Drain pump built-in

PEAD-RP JAL → No drain pump
*Units with an "L" included at the end of the model name are not equipped with a drain pump.

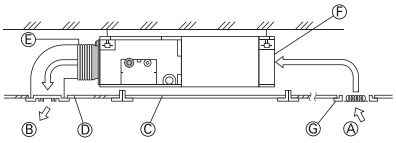
SEZ Series

Compact type fits neatly into lowered ceiling, achieving stringent economy in all aspects of air conditioning

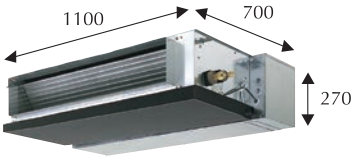
SEZ-KD35/50/71VAL

Compact Ceiling Concealed Style

With our "ceiling concealed model," the air-conditioner unit itself is enclosed in the ceiling cavity, leaving only the outlet and inlet grille mounted on the ceiling surface. This greatly helps the air conditioning system to keep the quality of your interior decor.
Unit size has also been made more compact than the previous model (SEZ-KA), slashing installation space and also facilitating concealed use in buildings where exposed format units have been the rule in the past.

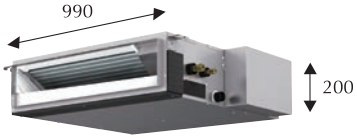


[Dimension Comparison]



SEZ-KA35VAL

Width reduced by 110mm



SEZ-KD35VAL

Height reduced by 70mm

Wider Selection of Fan Speed and Static Pressure Level

Three fan speeds (Low-Mid-HIgh) and four static pressure levels (5-15-35-50Pa) are available by using the DC fan motor to meet various applications needs.

	External Static Pressure (Pa)
SEZ-KA35-71VA	30/50Pa
SEZ-KD35-71VAL	5/15/35/50Pa

Four Levels Installation Possible for all Models

With expansion of the minimum level of external static pressure, it is now possible to achieve low room noise by selecting the optimum static pressure.

	SPL (Low fan mode)	
	SEZ-KA	SEZ-KD
External static pressure	30Pa	15Pa
35	30dB	23dB
50	31dB	30dB

Maximum noise reduced by 7dB

Drain Pump Equipping Possible (optional)

Our drain pump (PAC-KE07DM-E) has been added to the lineup as an optional part.
Equipping this pump makes it possible to install drain hoses up to 550mm in length.

Mr.SLIM Inverter Single Split System

SAVE R410A OZONE

Our Inverter Technology adjusts capacity in response to conditions such as the difference between the outside and inside air temperatures, allowing our air conditioners to run more efficiently and reduce energy costs.

PLY Series

Indoor Unit

optional

Dimensions (W x D x H) : 840 X 840 X 258 mm

PLY-P60EA
Cooling capacity: 5.5kW

optional

Dimensions (W x D x H) : 840 X 840 X 298 mm

PLY-ZP50EA
Cooling capacity: 4.7kW

PLY-P80EA
Cooling capacity: 7.2kW

PLY-P100EA
Cooling capacity: 9.5kW

PLY-P125EA
Cooling capacity: 11.4kW

Outdoor Unit

SUY-ZP50VA/KA60VA
Dimensions (W X D X H) :
800 x 285 x 714 mm

SUY-KA80/100VA
Dimensions (W X D X H) :
840 x 330 x 880 mm

PUY-P125VKA
Dimensions (W X D X H) :
1050 x 330 x 1338 mm

DC Inverter | PAM Control | 24 | Weekly Timer (For wired controller only) | High Low | Multi-Language | SAVE R410A

Mr Slim Inverter Ceiling Cassette Type PLY Series

Model							
Indoor			PLY-ZP50EA-SG	PLY-P60EA	PLY-P80EA	PLY-P100EA	PLY-P125EA
Outdoor			SUY-ZP50VA-SG	SUY-KA60VA	SUY-KA80VA	SUY-KA100VA	PUY-P125VKA
Function & type			Cooling, Ceiling Cassette				
Capacity (Min - Max)		kW	4.7 (2.3 - 5.7)	5.5 (2.6 - 6.5)	7.2 (3.4 - 8.9)	9.5 (4.0 - 11.3)	11.4 (5.8 -15.0)
Power input		kW	0.97	1.28	1.68	2.51	3.01
Full load COP			4.96	4.30	4.33	3.83	3.81
Weighted COP**			5.58	5.25	4.95	4.74	4.79
Running Current		A	4.5	5.88	7.69	11.51	13.73
Airflow		CMM(m³/min)	14-17-20-23	15-18-20-23	17-21-25-29	19-23-27-32	21-25-29-34
Dimension (W x D x H)	Indoor	mm	840 x 840 x 298	840 x 840 x 258	840 x 840 x 298		
	Outdoor	mm	800 x 285 x 714		840 x 330 x 880		1050 x 330 x 1338
Net Weight	Indoor	kg	27	21	24	27	
	Outdoor	kg	40		50	51	102
Indoor Sound level *	(Silent - High)	dB(A)	23-27-31-35	27-31-34-37	27-32-37-41	31-36-40-44	33-37-41-46
Outdoor Sound Level *	(Silent - High)	dB(A)	48		50	54	55
Connection method	Indoor/Outdoor		Flared				
External Piping	Diameter	Gas (ø) mm	15.88				
		Liquid (ø) mm	9.52				
Piping Length	Max. length	m	30				50
	Max. height	m	12		15		30
Power Supply		V, Phase, Hz	230, 1, 50				
Energy labelling scheme			Excellent, 494, 1828	Very Good, 642, 2377	Very Good, 853, 3159	Good, 1216, 4503	Good, 1470, 5443

*Note: Sound level is measured in anechoic chambers. **Tested based on NEA energy labelling scheme.

Conversion formula: Btu/h=kW x 3412

Mr.SLIM Inverter Single Split System

SAVE R410A OZONE

Our Inverter Technology adjusts capacity in response to conditions such as the difference between the outside and inside air temperatures, allowing our air conditioners to run more efficiently and reduce energy costs.

PEY Series

Indoor Unit

optional

Dimensions (W X D X H) : 1100 x 732 x 250 mm

PEY-P50JAL
Cooling capacity: 5.0kW

PEY-P60JAL
Cooling capacity: 6.0kW

optional

Dimensions (W X D X H) : 1400 x 732 x 250 mm

PEY-P80JAL
Cooling capacity: 8.0kW

PEY-P100JAL
Cooling capacity: 10.0kW

PEY-P125JAL
Cooling capacity: 12.5kW

Outdoor Unit

SUY-KA50/60VA
Dimensions (W X D X H) :
800 x 285 x 714 mm

SUY-KA80/100VA
Dimensions (W X D X H) :
840 x 330 x 880 mm

PUY-P125VKA
Dimensions (W X D X H) :
1050 x 330 x 1338 mm

DC Inverter | PAM Control | 24 | Weekly Timer (For wired controller only) | High Low | Multi-Language | SAVE R410A

Mr Slim Inverter Ceiling-Concealed Type PEY Series

Model							
Indoor			PEY-P50JAL	PEY-P60JAL	PEY-P80JAL	PEY-P100JAL	PEY-P125JAL
Outdoor			SUY-KA50VA	SUY-KA60VA	SUY-KA80VA	SUY-KA100VA	PUY-P125VKA
Function & type			Cooling, Ceiling Concealed				
Capacity (Min - Max)		kW	5.0 (2.5 - 5.7)	6.0 (2.6 - 6.5)	8.0 (3.4 - 8.9)	10.0 (4.0 - 11.3)	12.5 (6.0 -15.0)
Power input		kW	1.29	1.61	2.15	3.20	4.05
Full load COP			4.30	4.30	4.33	3.83	3.81
Weighted COP**			5.28	5.25	4.95	4.74	4.79
Running Current		A	6.26	6.66	8.67	12.98	15.08
Airflow		CMM(m³/min)	17.5-21-25	17.5-21-25	24-29-34	29.5-35.5-42	29.5-35.5-42
Dimension (W x D x H)	Indoor	mm	1100 x 732 x 250		1400 x 732 x 250		
	Outdoor	mm	800 x 285 x 714		840 x 330 x 880		1050 x 330 x 1338
Net Weight	Indoor	kg	30		39	40	
	Outdoor	kg	40		50	51	102
Indoor Sound level *	(Silent - High)	dB(A)	30-34-39	30-34-39	33-38-42	36-40-44	36-40-44
Outdoor Sound Level *	(Silent - High)	dB(A)	47	48	50	54	55
Connection method	Indoor/Outdoor		Flared				
External Piping	Diameter	Gas (ø) mm	15.88				
		Liquid (ø) mm	9.52				
Piping Length	Max. length	m	30				50
	Max. height	m	12		15		30
Power Supply		V, Phase, Hz	230, 1, 50				
Energy labelling scheme			Very Good ★★★★★ 580 2149 kWh	Very Good ★★★★★ 642 2377 kWh	Very Good ★★★★★ 853 3159 kWh	Good ★★★★ 1216 4503 kWh	Good ★★★★ 1470 5443 kWh

*Note: Sound level is measured in anechoic chambers. **Tested based on NEA energy labelling scheme.

Conversion formula: Btu/h=kW x 3412

Mr.SLIM Inverter Single Split System

Our Inverter Technology adjusts capacity in response to conditions such as the difference between the outside and inside air temperatures, allowing our air conditioners to run more efficiently and reduce energy costs.

PCY Series

Indoor Unit

optional

Dimensions (W X D X H) : 1280 x 680 x 230 mm

PCY-P18KA
Cooling capacity: 5.3kW

PCY-P24KA
Cooling capacity: 7.1kW

optional

Dimensions (W X D X H) : 1600 x 680 x 230 mm

PCY-P30KA
Cooling capacity: 8.8kW

PCY-P36KA
Cooling capacity: 10.6kW

PCY-P42KA
Cooling Capacity: 12.3KW

Outdoor Unit

SUY-KA18VA
Dimensions (W X D X H) :
800 X 285 X 550 mm

SUY-KA24/30/36VA
Dimensions (W X D X H) :
840 X 330 X 880 mm

PUY-P42VKA
Dimensions (W X D X H):
1050 x 330 x 1338 mm

Mr Slim Inverter Ceiling-Suspended Type PCY Series

Model			EASY CLEAN, WIDE & LONG				
Indoor			PCY-P18KA	PCY-P24KA	PCY-P30KA	PCY-P36KA	PCY-P42KA
Outdoor			SUY-KA18VA	SUY-KA24VA	SUY-KA30VA	SUY-KA36VA	PUY-P42VKA
Function & type			Cooling, Ceiling Suspended				
Capacity (Min-Max)		kW	5.30 (2.8-5.4)	7.1 (3.6-8.9)	8.80 (4.1-9.7)	10.6 (4.1-10.7)	12.3 (6.2-14.1)
Total power input		kW	1.51	2.1	2.6	3.13	3.68
Full load COP			3.69	3.54	3.82	3.45	3.39
Weighted COP**			4.43	4.28	4.51	4.25	4.34
Running current		A	7.4	10.10	12.3	14.7	16.75
Airflow		CMM(m³/min)	16-17-18-20	16-18-20-22	24-26-28-30	27-29-32-34	
Dimension (W x D x H)	Indoor	mm	1280 X 680 X 230		1600 X 680 X 230		
	Outdoor	mm	800 X 285 X 550	840 X 330 X 880			1050 X 330 X 1338
Net weight	Indoor	kg	32	32	37	40	
	Outdoor	kg	33	47	50	51	94
*Sound level (Low-High)	Indoor	dB(A)	34-36-38-40	34-36-40-42	39-41-43-45	42-44-46-48	
	Outdoor	dB(A)	51	54	56	58	55
Connection method	Indoor/Outdoor		Flared				
External Piping Diameter	Gas (ø)	mm	12.70	15.88			
	Liquid (ø)	mm	6.35	9.52			
Piping Length	Max. length	m	20	30			50
	Max. height	m	12	15			30
Power supply		V, Phase, Hz	230, 1, 50				
Energy labelling scheme			Fair ★★ 738 / 2733 kWh	Fair ★★ 1015 / 3761 kWh	Good ★★★ 1176 / 4357 kWh	Fair ★★ 1528 / 5659 kWh	Fair ★★ 1804 / 6681 kWh

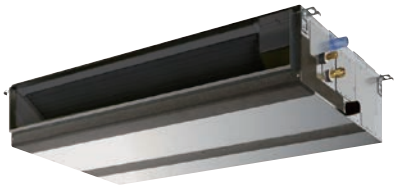
*Note: Sound level is measured in anechoic chambers. ** Tested based on NEA energy labelling scheme.

Conversion formula: Btu/h=kW x 3412

starMEX Plus Series

Indoor Unit

MSXY-FJ



PEFY-P VMA(L)-E

Branch Box

PAC-MK33BC
Dimension (W x D x H)
450 x 280 x 170

Outdoor Unit

MXY-4C100VA (4HP)
MXY-5C125VA (5HP)
MXY-6C140VA (6HP)

Dimension (W x D x H)
1050 x 330 x 1338 mm

EASY CLEAN · SAVE R410A · Cleaning-free, pipe reuse

DC Inverter · PAM Control · Only 19dB (MSXY-FJ05/07/10/13VE) · Quiet · Nano Platinum · EASYCLEAN · Econo Cool · Fuzzy FEEL · Auto Restart

Self Diagnosis · i SMART · NEW LEV · COOL · AUTO · PM 2.5

starMEX Plus Series

MSXY-FJ Indoor specification

Model- Indoor Unit				MSXY-FJ05VE	MSXY-FJ07VE	MSXY-FJ10VE	MSXY-FJ13VE	MSXY-FJ18VE	MSXY-FJ24VE
Rated Capacity			kW	1.5	2	2.8	3.5	5	7.1
Power Input			kW	0.028		0.038		0.05	0.059
Running Current			A	0.28	0.28	0.35	0.35	0.45	0.52
Airflow Rate			m3/min	15.1	15.1	16.9	16.9	18.7	19.9
Sound Level			dB(A)	19-42	19-42	19-47	19-47	28-49	30-50
Dimension (W x D x H)			mm	923 x 250 x 305					
Net Weight			kg	13					
External Piping	Diameter	Gas (Φ)	mm	9.52	9.52	9.52	9.52	12.70	15.88
		Liquid (Φ)	mm	6.35	6.35	6.35	6.35	6.35	9.52

Model- Outdoor Unit				MXY-4C100VA	MXY-5C125VA	MXY-6C140VA
Capacity			kW	11.2	14	15.5
Total Power Input			kW	2.3	2.88	3.19
Full load COP				5.75	5.38	5.39
Weighted COP				6.1	6.11	6.05
Running Current			A	10.97	13.72	15.29
Dimension (W x D x H)			mm	1050 x 330 x 1338		
Net Weight			kg	122		
Sound Level			dB(A)	49	50	51
External Piping	Diameter	Gas (Φ)	mm	15.88		
		Liquid (Φ)	mm	9.52		
	Connectivity Range			50% - 130%		
Piping Length	PEFY (Per unit)		m	30	30	30
	MSXY-FJ / SEZ (Per unit)		m	25	25	25
	Outdoor unit to Branch Box		m	55	55	55
	* Total Length			150～240	150～270	150～300
Power Supply			V, Phase, Hz	230, 1, 50		
Energy Labelling Scheme						

** Please refer to Service Handbook for detailed specification.*

Mitsubishi Electric Quality

The best quality you can rely on.

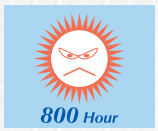
Our quality assurance program guided by our stringent Quality Policy ensures confidence in all phases of the development process from design and manufacture, to the finished product.

Line test

Sound test

Performance test

Endurance test



Heat stress test

Saltwater spray rust test

Technical assistance within 24 hours.

At Mitsubishi Electric, customers are our priority, which is why we provide attentive after-sales service to respond to your needs within 24 hours. Our service records show that upon receipt of a customer service request, more than 90% of them were completed on the same day, or the next working day. That's the kind of service you can look forward to. Because that's our way of thanking you for putting your trust in Mitsubishi Electric.

MITSUBISHI ELECTRIC ASIA PTE LTD

307 Alexandra Road, #05-01/02, Mitsubishi Electric Building, Singapore 159943

TEL: (65) 6473 2308 FAX: (65) 6476 0590

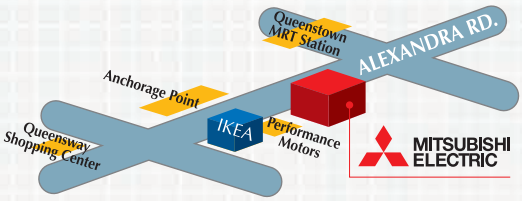
Office Hours: Monday - Friday 8:30am - 5:30pm

Show Room Opening Hours:

Monday - Friday 8:30am - 5.30pm

Closed on Saturday, Sunday and Public Holidays

Tel: (65) 6470 2600



Mitsubishi Electric

starMEX

Air-Conditioner

eco Changes **for a greener tomorrow**

Eco Changes is the Mitsubishi Electric Group's environmental statement, and expresses the Group's stance on environmental management. Through a wide range of businesses, we are helping contribute to the realization of a sustainable society.

MITSUBISHI ELECTRIC CORPORATION

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