MITSUBISHI ELECTRIC

Changes for the Better

Mitsubishi Electric Quality

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

R32 REFRIGERANT

Dual Barrier coating

PM2.5 Filter

Cleaner Air
up to 99% PM2.5 particles filtered

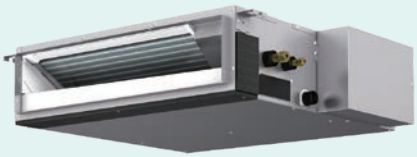


MITSUBISHI ELECTRIC

Your Life, Our Technology – The Comfort Connection.

As everyone knows, nothing compares to the comfort that nature has to provide. Thanks to the many technical refinements, Mitsubishi Electric's air conditioner 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 R32 refrigerant allow our series to create a naturally serene environment in every room of the house.



Inverter Multi Split	Type		Connectable Indoor Units	Page	Energy labelling scheme
	Model	Refrigerant			
MXY-2H20VF  up to 2 indoor units	DC Inverter	R32 REFRIGERANT	MSXY-FP10/13/18VG 	18	
MXY-3H28VG  up to 3 indoor units	DC Inverter	R32 REFRIGERANT	MSXY-FP20/24*VG 	18	
MXY-4H33VG  up to 4 indoor units	DC Inverter	R32 REFRIGERANT	PEY-M50/60*/71*JAL 	18	
MXY-4H38VG  up to 4 indoor units	DC Inverter	R32 REFRIGERANT	SEZ-M35/50*/71*DAL 	18	
MXY-5H48VG  up to 5 indoor units	DC Inverter	R32 REFRIGERANT		18	

*Not applicable to MXY-2H20VF

Conversion formula: Btu/h=kW X 3412

Inverter Single Split	Type				
	Model	Refrigerant	Connectable Indoor Units	Page	Energy labelling scheme
MUY-GA10VF 	DC Inverter	R32 REFRIGERANT	MSY-GA10VF 	14	
MUY-GA13VF 	DC Inverter	R32 REFRIGERANT	MSY-GA13VF 	14	
MUY-GA15VF 	DC Inverter	R32 REFRIGERANT	MSY-GA15VF 	14	
MUY-GA18VF 	DC Inverter	R32 REFRIGERANT	MSY-GA18VF 	14	
MUY-GA24VF 	DC Inverter	R32 REFRIGERANT	MSY-GA24VF 	14	

Conversion formula: Btu/h=kW X 3412

MITSUBISHI ELECTRIC
Changes for the Better

Mr.SLIM Inverter Single Split	Type				
	Model	Refrigerant	Connectable Indoor Units	Page	Energy labelling scheme
SUY-ZM50VA 	DC Inverter	R32 REFRIGERANT	PLY-ZM50EA 	22	
			PEY-M50JAL2 	23	
SUY-M60VA 	DC Inverter	R32 REFRIGERANT	PLY-M60EA 	22	
			PEY-M60JAL2 	23	
SUY-M80VA 	DC Inverter	R32 REFRIGERANT	PLY-M80EA 	22	
			PEY-M80JAL2 	23	
PUY-M100VKA3 	DC Inverter	R32 REFRIGERANT	PLY-M100EA3 	22	
			PEY-M100JAL2 	23	
PUY-M125VDA 	DC Inverter	R32 REFRIGERANT	PLY-M125EA3 	22	
			PEY-M125JAL2 	23	
			PCY-M125KAL3 	24	

Conversion formula: Btu/h=kW X 3412

Mitsubishi Electric's Main Technology

Cleaning-Free, Pipe Reuse Technology

Mitsubishi Electric's Cleaning-Free Technology

Chloride residue builds up in existing pipes and becomes a source of trouble. In addition, the iron particles and slime produced as a result of compressor failure lead to problems. To counter this, various original Mitsubishi Electric technologies have been combined to enable the introduction of "cleaning-free pipe reuse."

Why can't existing piping be used?

	R22 REFRIGERANT	R32·R410A REFRIGERANT	
	Problem	Problem	Problem
At time of renewal	Chloride residue	High heat generated during operation	Accelerated deterioration of refrigerant oil
At time of compressor failure	Increased chloride residue		
	Iron particles and slime		Refrigerant circuit malfunctions and causes failure

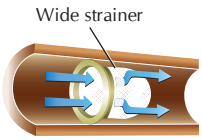
Cleaning pipe or replacement with new pipe is required

Mitsubishi Electric's Original Replacement Technologies

Countermeasure for Problem 1

Technology 1
Original High-quality Filtration

Our original high-quality filtration device called the "wide strainer" is equipped inside the refrigerant inlet and outlet pipe. The "wide strainer" traps iron particles and realizes cleaning-free pipe reuse. In addition, improvements to the metal used in the bearings of our new scroll compressors realize more robust units.



Countermeasure for Problem 2

Technology 2
Friction Reduction (moving parts in compressor)

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

Existing piping can be used without cleaning

Advantages of Mitsubishi Electric's Cleaning-Free Technology



SHORT WORKING PERIOD

- Cut in extensive works behind walls or above ceilings to install new piping.
- Cut in difficult tasks including welding works above the ceiling.



COST-SAVING

- Cut in material costs to install the new piping.
- Great reduction in waste materials minimizes their disposal costs.
- Short period of work saves the installation costs.



ECOLOGY

- Waste materials, such as ceiling materials and pipes, minimized.
- Being environmentally aware by 'reusing' meets the demand of the times.

Cautions when using existing piping

- When removing an old air conditioning unit, please make sure to perform the pump-down process and recover the refrigerant and refrigerant oil.
- Check to ensure that the piping diameter and thickness match Mitsubishi Electric specifications.
- Check to ensure that the flare is compatible with R32·R410A. (The copper pipe flare-end shape and dimensions used for R410A can also be used for R32 air conditioners.)
- Refer to full replacement catalogue for more details.

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

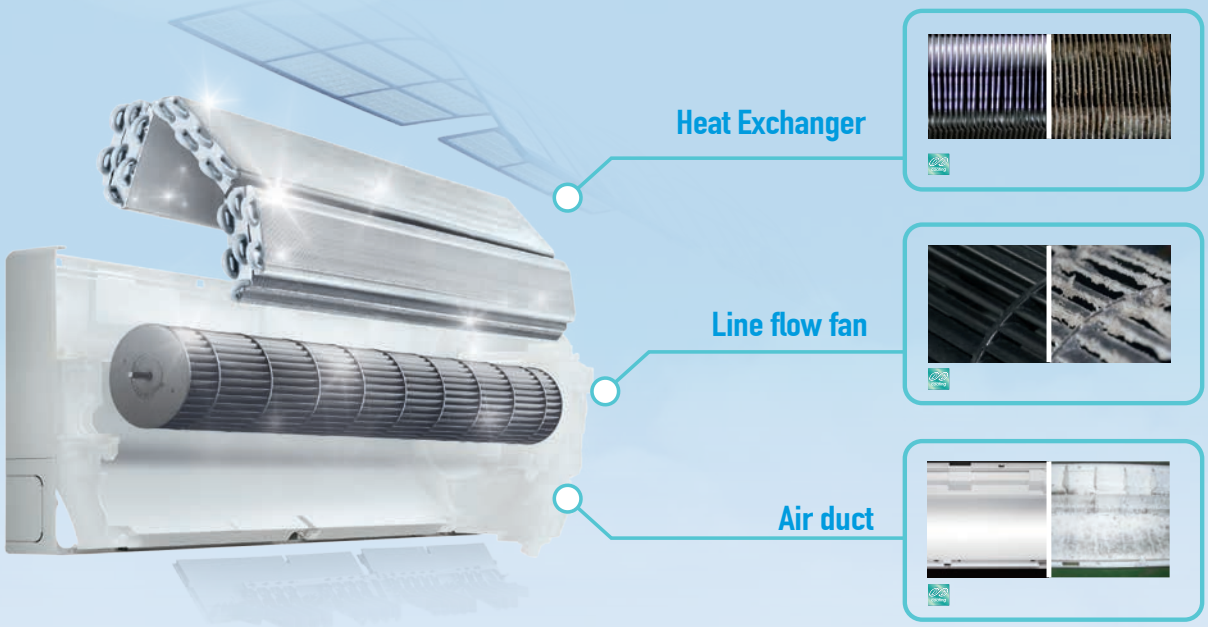
Prevents mould
The mould guard (internal drier) always keeps the inside unit clean

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%!

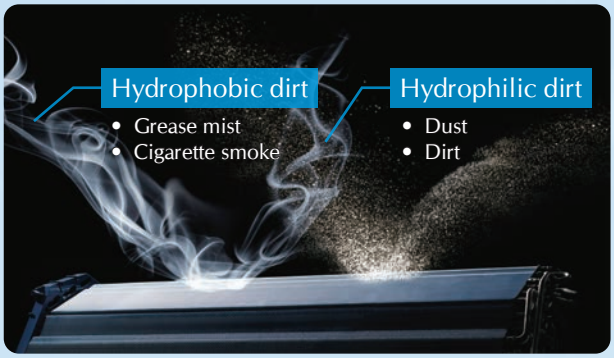
Dual Barrier Coating

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

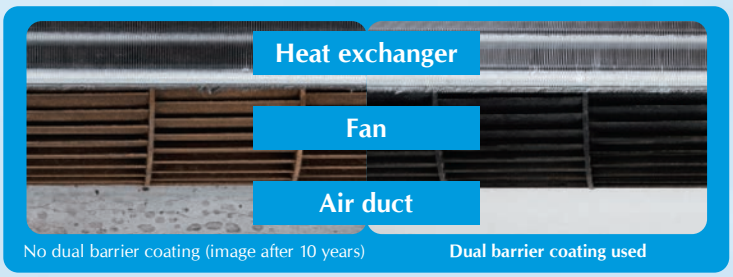


State-of-the-art coating technology

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.



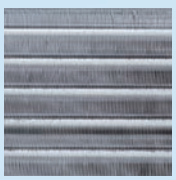
Comparison of dirt on heat exchanger, fan and air duct (in-house comparison)



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

PM2.5 Filter

Cleaner Air

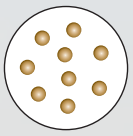
up to 99% PM2.5 particles filtered



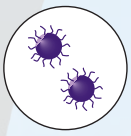




Minute Particles Floating in the Air



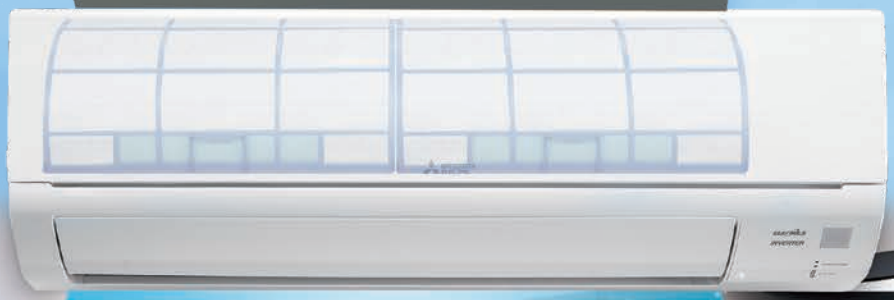
PM2.5



Bacteria



House dust



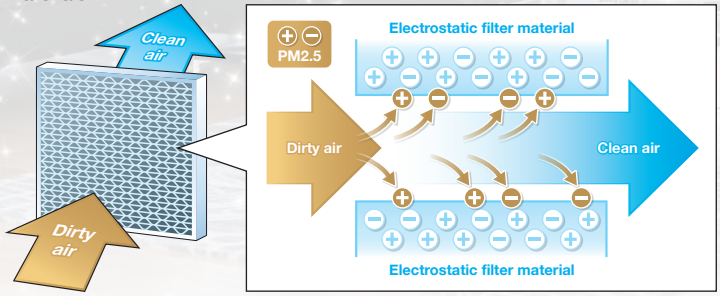
Model:
FP & GA
Series

Filter:
Microparticle catching filter

Microparticle catching filter effectively eliminates PM2.5

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

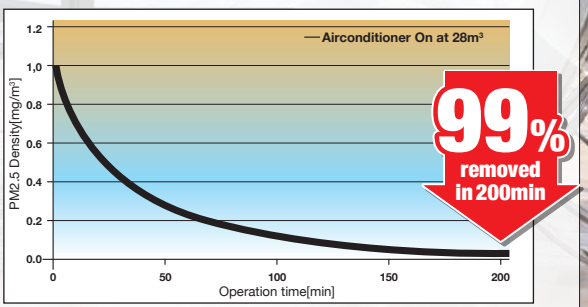
Electrostatic filter even effectively removes and eliminates miniscule particulate materials.



Microparticle catching filter

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

■PM2.5 removal efficiency

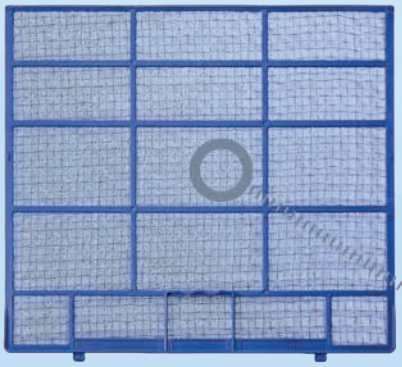


Test conditions: Removal efficiency of particulates sizes ranging 0.3-2.5μm after operation for 200min using FN20 microparticle catching filter in 28m³ enclosed space with tidal air circulation volume of 0.5/hr (in-house test)

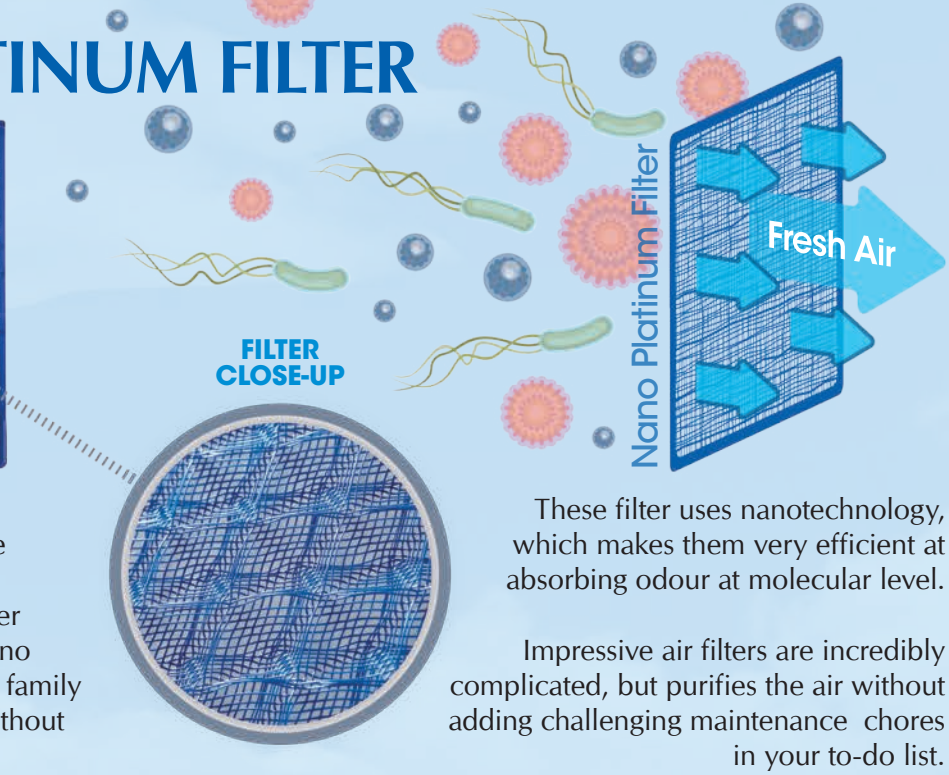
* Comes in 2 colors blue or white.

※ Microparticle catching filter
MAC-EMF515FT-E (MSY-GA10/13/15/18VF, MSXY-FP Series)
MAC-EMF615FT-E (MSY-GA24VF)

NANO PLATINUM FILTER



NANO PLATINUM FILTER



For an air filtration system to be practical, it has to be simple to maintain and consistently deliver clean, fresh and healthy air. Nano platinum filter can protect your family from pollutant and allergens without extra effort or maintenance.

These filter uses nanotechnology, which makes them very efficient at absorbing odour at molecular level.

Impressive air filters are incredibly complicated, but purifies the air without adding challenging maintenance chores in your to-do list.

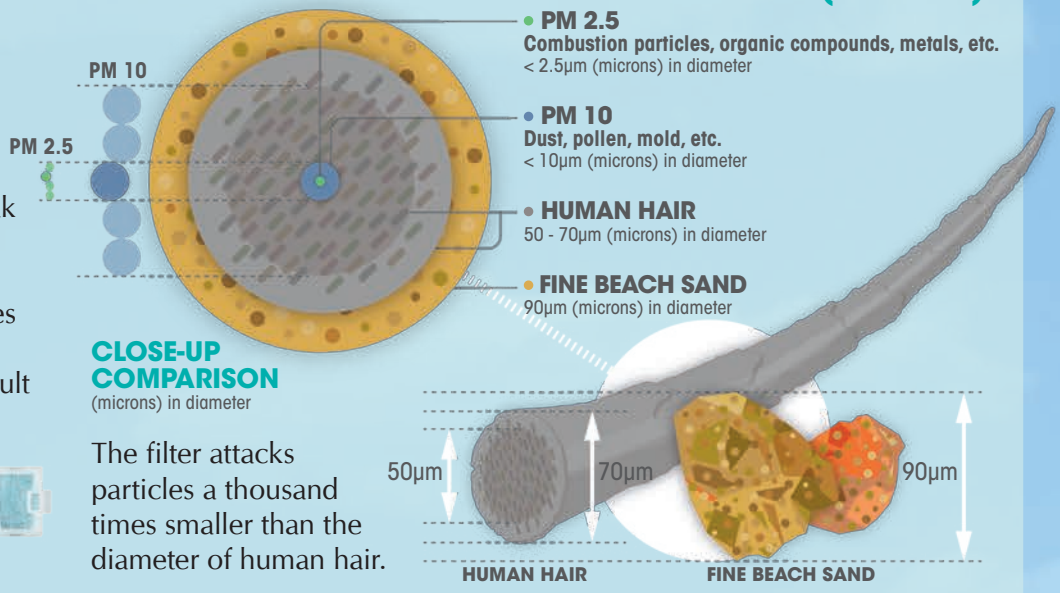
ANTI-ALLERGY ENZYME FILTER

ANTI-ALLERGY ENZYME FILTER (OPTIONAL)

The filter catches dead mites and their droppings, pollen and other allergens on the filter filament, then decompose them with artificial enzymes. This break down allergen proteins into non allergen proteins. The complicated process involves destruction of undesirable proteins S-S bonds. The result is healthier, purer air.



ANTI-ALLERGY ENZYME FILTER

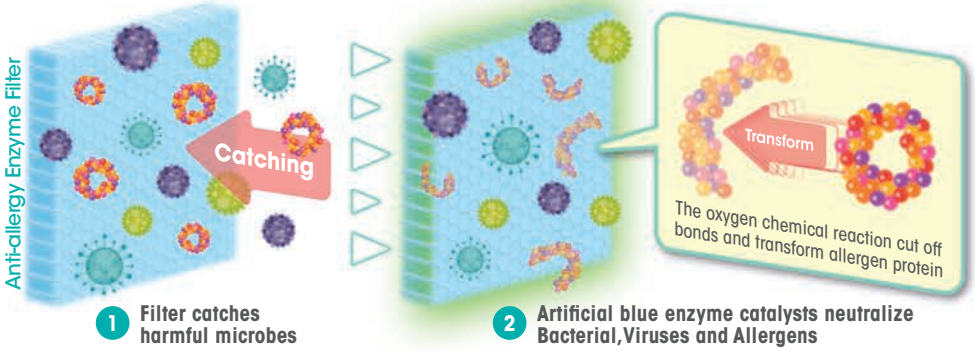


CLOSE-UP COMPARISON
(microns) in diameter

The filter attacks particles a thousand times smaller than the diameter of human hair.

Neutralizes **99.9%** VIRUS & BACTERIA within **24** HOURS

ELECTROSTATIC ANTI-ALLERGY ENZYME FILTER MECHANISM



Easy, Clean & Comfortable

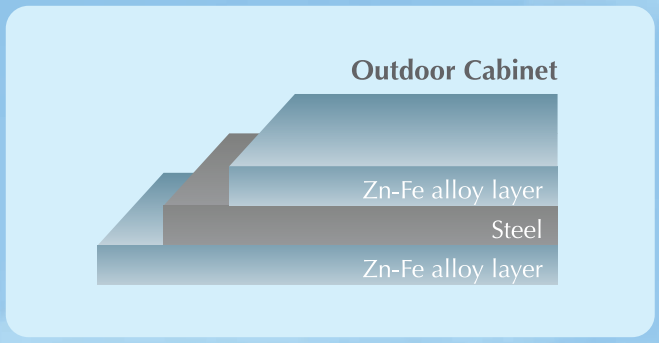
Easy Clean Design

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 operations.



Anti-Rust Treatment (Blue Fin)

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



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 allow ideal temperature to be achieved in the shortest time.

LCD Remote Controller

From temperature and operation modes to air volume and direction, you will be able to customize your environment at the touch of the button. Large and easy to identify buttons allow easy access to frequent used functions. The LCD display allows you to check temperature and operating condition at a glance with an easy slide cover that prevents inadvertent operations of preset controls and other functions.



Fuzzy Logic "I Feel"

Is the room too hot, too cold, too dry or too humid? On auto mode selection, the fuzzy logic control system adjusts condition to suit you. Your selected temperature setting will be stored in the memory system and generate automatically every time you operate the aircon.

Self Clean Operation

Self Clean operation keeps your unit in optimal condition by reducing dirt buildup and preventing mold growth—ensuring cleaner air and long-lasting performance."

Inverter Technology

DC Inverter The Quiet Air Conditioner in the Market

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



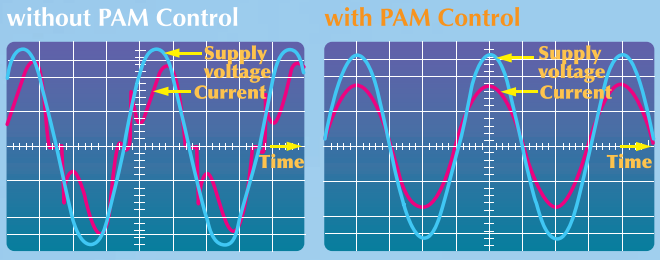
Joint Wrap DC Motor

Mitsubishi Electric's 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 features our original high density, concentrated winding technique and a reliable, high efficient motor.



PAM Control Pulse Amplitude Modulation

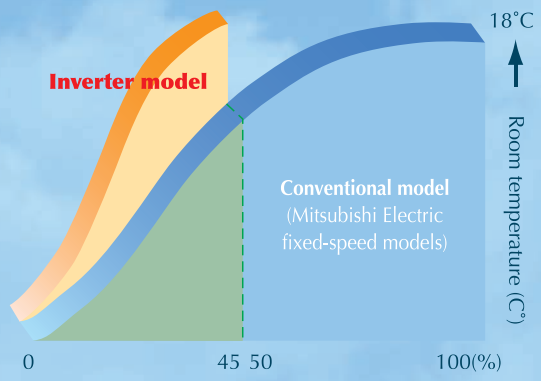
Electricity can be used efficiently with less loss, the current wave resembles the supply voltage wave. PAM is a method for controlling the form of waves so that it conforms to the supply voltage waves. With PAM, 98% of input power supply is effectively used.



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

Higher Speed Cooling

Our advanced inverter technology enables efficient high-speed cooling by precisely and flexibly controlling the rotation of the compressor according to individual cooling needs. Example, during summer months, the compressor speed is automatically set at a maximum level of 30% faster than non inverter models. Thus, the room takes lesser time to cool.

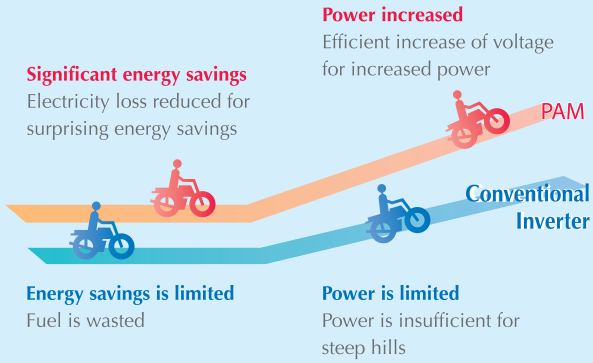


Compared to conventional models, desired temperatures are reached much more rapidly.

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.

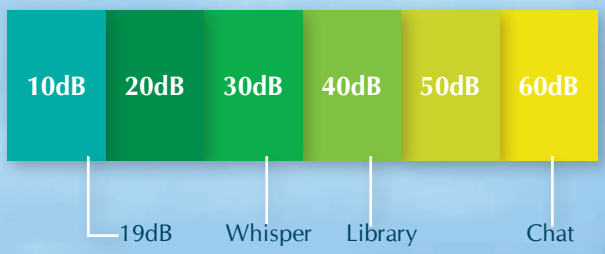
Using a Motorcycle as an Example



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

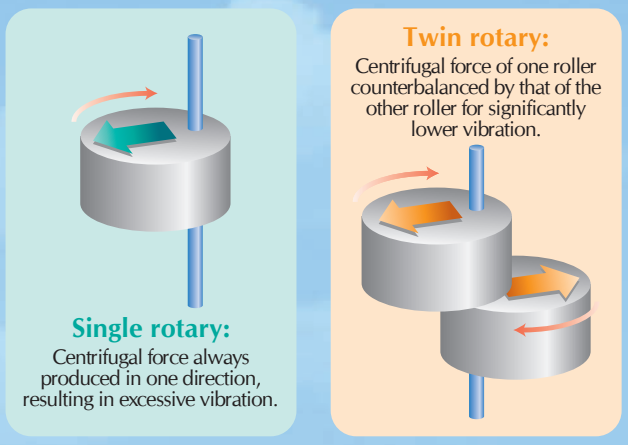
Silent Operation & Energy Saving Technology

Only 19 dB The Quiet Air Conditioner in the Market



Noise level for silent mode operation is only at 19dB for MSY-GA10VF and MSXY-FP10,13VG making them one of the quiet units in the market. The multi-angled heat exchanger has a modified fin shape that reduces air resistance for a smoother, quieter airflow. The wide fan diameter produces great airflow at lower fan speeds and the uneven pitch between each fan blade helps to eliminate noise.

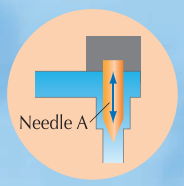
Twin Rotary Compressor ensure Peace and Quiet



Unlike conventional models with single rotary, all Inverter Multi Split System 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.

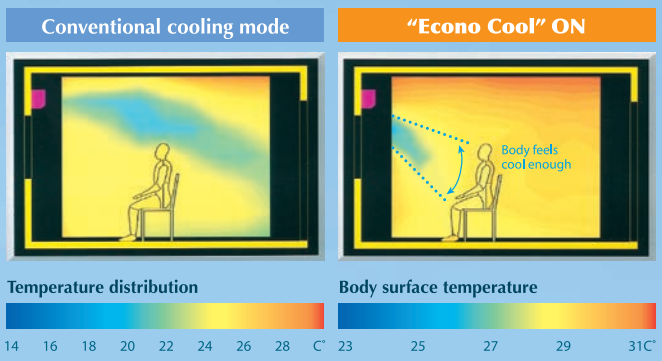
NEW LEV New LEV Control

Linear Expansion Valve 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. Circulation is then optimized to facilitate more economical operation.



Econo Cool Econo Cool – Smart Save

The Econo Cool, one touch operation automatically adjust the direction of the airflow based on the temperature at the air outlet. The set temperature can therefore be 2°C above conventional temperature setting without loss of comfort and with 20% increase in energy efficiency.



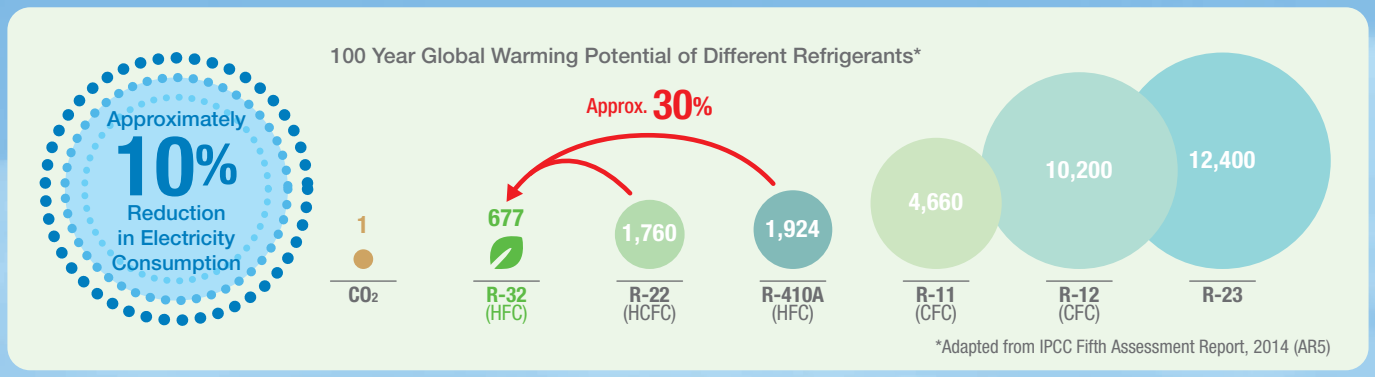
	Conventional	Econo Cool
Ambient temperature	35°C	35°C
Set temperature	25°C	27°C
Perceived temperature	30°C	**29.3°C**

Benefits of R32 Gas

A new genesis gas lowering green house effect

Low in GWP Value

Refrigerant has been a debatable topic as a contribution factor that harm the ozone layer. R32 gas - an environmentally friendly and energy efficient refrigerant offers a new alternative. Having a low GWP value of only 677, its 1/3 of the GWP value that R410A carries, lowering carbon emission by 30%.



Requires Less Refrigerant Volume

The lower density characteristic of R32 air conditioning systems require 15-20% less refrigerant than R410A equivalents, making them more efficient. This means, lower carbon emission and lower energy cost with the same performance.



Single Component of Gas

R32 is a single compound, CH2F2 unlike R410A which is a mixture of difluoromethane and pentafluoroethane. Being a single component gas, R32 gas is more convenient to R410A gas. This will result in a smaller footprint, despite using compressors with the same capacity.



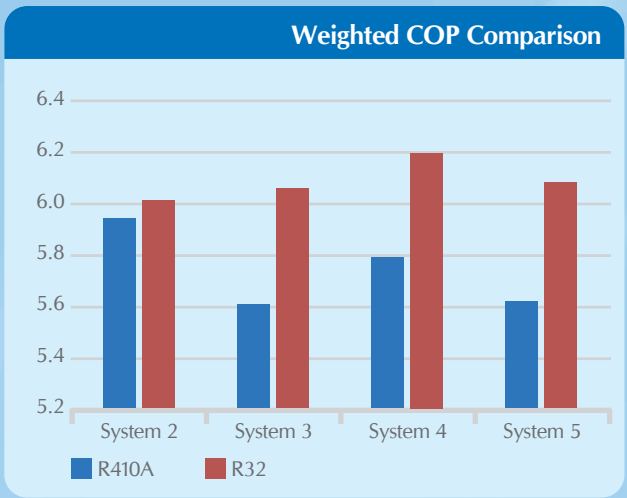
System 5- R410A
MXY-5G48VA2
Dimension (W x D x H)
950 x 330 x 1048mm



System 5- R32
MXY-5H48VG
Dimension (W x D x H)
950 x 330 x 796mm

Higher Efficiency

R32 gas has a higher cooling capacity due to its higher critical temperature of 78.11°C. This results in higher efficiency and higher COP in the R32 gas system. In return, it approximately saves 10% of the electricity bill when compared to using R410A gas.



FEATURES

Energy Saving

- DC Inverter
- Temperature Range Restriction
- PAM Control
- New LEV Control
- Econo Cool

Comfort

- The Quiet Air-Conditioner In The Market
- **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
- Auto Mode
- Fuzzy Logic "I Feel"
- Wide Control
- Long Air-flow

Installation & Maintenance

- 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 a sudden power surge, e.g. lighting, 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.
- **Self Clean Operation**
  Self Clean operation helps to keep the unit clean and prevents mold growth

Fresh Air

- **Anti-Allergy Enzyme Filter** (Optional)
  (MSY-GA10/13/15/18VF, MSXY-FP Series)
- **Electrostatic Anti-allergy Enzyme Filter** (Optional)
  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. (MSY-GA24VF)
- **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.
- **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 Set**
  This is a simplified setting function that recalls the preferred (preset) temperature by pressing a single button on the remote controller.

Guaranteed Operating Range:

Mitsubishi Electric starMEX Air-Conditioner

Mr.SLIM

		Indoor	Outdoor	Indoor	Outdoor
		MSXY-FP10/13/18/20/24VG MSY-GA10/13/15/18/24VF PEY-M50/60/71JAL SEZ-M35/50/71 DAL	MXY-5H48VG MXY-4H38VG MXY-4H33VG MXY-3H28VG MXY-2H20VF MUY-GA10/13/15/18/24VF	PCY-M125KAL3 PLY-ZM50EA PLY-M60/80EA PLY-M100/125EA3 PEY-M50/60/80/100/125JAL2	SUY-ZM50VA SUY-M60/80VA PUY-M100VKA3 PUY-M125VDA
Cooling	Upper limit	32°c DB /23°c WB	46°c DB	32°c DB /23°c WB	46°c DB

Note

1. Rating conditions: Cooling – Indoor: 27°C DB / 19°C WB; Outdoor: 35°C DB. Refrigerant 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 and massage parlour environment. Please contact our Dealers for recommendations of appropriate models.
3. 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.

Inverter Single
Split System

R32 REFRIGERANT

Mitsubishi Electric starMEX Air-Conditioner

The GA 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.



Indoor Unit



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

MSY-GA10VF
Cooling capacity: 2.5kW



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

MSY-GA13VF
Cooling capacity: 3.5kW

MSY-GA15VF
Cooling capacity: 4.2kW

MSY-GA18VF
Cooling capacity: 4.6kW



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

MSY-GA24VF
Cooling capacity: 6.0kW

Outdoor Unit



MUY-GA10VF
Dimensions (W X D X H):
800 X 285 X 550 mm



MUY-GA13VF
Dimensions (W X D X H):
780 X 294 X 545



MUY-GA15/18VF
Dimensions (W X D X H):
800 X 285 X 714 mm



MUY-GA24VF
Dimensions (W X D X H):
840 X 330 X 880 mm

EASY CLEAN · PM2.5 Filter Cleaner Air · coating · R32 refrigerant

DC Inverter · PAM Control · Only 19dB (MSY-GA10VF) · Quiet · Anti-Allergy Enzyme (Optional) (MSY-GA10/13/15/18VF) · Electrostatic Anti-allergy (Optional) (MSY-GA24VF) · coating · Nano Platinum · EASYCLEAN · Econo Cool · Fuzzy I FEEL · COOL

Auto Restart · Self Diagnosis · NEW LEV · AUTO · PM 2.5 · (MSY-GA10/13/15/18VF) · 24 · Wide (MSY-GA24VF) · Long (MSY-GA24VF) · SELF CLEAN (MSY-GA10/13/15/18VF)

Model						
Indoor			MSY-GA10VF	MSY-GA13VF	MSY-GA15VF	MSY-GA18VF	MSY-GA24VF
Outdoor			MUY-GA10VF	MUY-GA13VF	MUY-GA15VF	MUY-GA18VF	MUY-GA24VF
Function & Type			Cooling, Wall Mounted				
Capacity (Min - Max)		kW	2.5 (1.1 - 3.5)	3.5 (1.5 - 4.1)	4.2 (1.5 - 4.8)	4.6 (1.5-6.0)	6.0 (2.4-9.2)
Power Input		kW	0.51	0.75	0.89	1.00	1.31
Starting Current		A	2.70	3.60	4.10	4.60	5.90
Running Current		A	2.70	3.60	4.10	4.60	5.90
Airflow		CMM (m³/min)	4.3-5.4-7.2-9.3-13.6	6.1-9.3-12.2-15.0-18.0	8.6-10.7-12.2-15.0-19.2	6.8-9.1-12.2-14.8-18.4	9.1-13.1-17.5-22.1
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	780 x 294 x 545	800 x 285 x 714		840 x 330 x 880
Net Weight	Indoor	kg	9.2	12.1			14.8
	Outdoor	kg	32.0	29.0	36.5	38.5	50.0
Indoor Sound Level*	(Silent - High)	dB(A)	19-24-31-38-47	21-33-38-44-48	28-33-38-44-49	29-37-41-45-49	30-41-45-52
Outdoor Sound Level*		dB(A)	46	48	50	54	57
Connection Method	Indoor/Outdoor		Flared				
External Piping	Diameter	Gas (ø) mm	9.52		12.70		15.88
		Liquid (ø) mm	6.35				
Piping Length	Max. length	m	20			30	
	Max. height	m	12			15	
Refrigerant			R32				
Power Supply		V, Phase, Hz	230, 1, 50				
Pre-charged Refrigerant Quantity (Max)		kg	0.97 (0.97)	0.84 (0.84)	1.05 (1.05)	1.25 (1.25)	1.60 (1.60)
Energy Labelling Scheme							

** Note: Sound level is measured in anechoic chambers.*

Conversion formula: Btu/h=kW x 3412

Inverter Multi
Split System

R32 REFRIGERANT

Mitsubishi Electric starMEX Air-Conditioner

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.



Indoor Unit



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

MSXY-FP10VG
Cooling capacity: 2.8kW+

MSXY-FP13VG
Cooling capacity: 3.5kW+

MSXY-FP18VG
Cooling capacity: 5.0kW+

EASY CLEAN, PM2.5 Filter Cleaner Air, 2D coating, R32 Refrigerant

DC Inverter, PAM Control, Only 19dB (MSXY-FP10,13VG), EASYCLEAN, Econo Cool, Fuzzy I FEEL, COOL, 24, Auto Restart, Self Diagnosis, Quiet, NEW LEV, AUTO, 2D coating, PM 2.5, Anti-Allergy Enzyme (Optional), Nano Platinum, SELF CLEAN



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

MSXY-FP20VG
Cooling capacity: 6.0kW+

MSXY-FP24VG
Cooling capacity: 7.1kW+

EASY CLEAN, PM2.5 Filter Cleaner Air, 2D coating, R32 Refrigerant

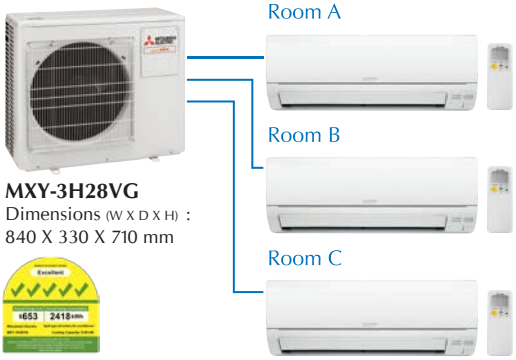
DC Inverter, PAM Control, EASYCLEAN, Econo Cool, Fuzzy I FEEL, COOL, 24, Auto Restart, Self Diagnosis, Quiet, NEW LEV, AUTO, 2D coating, PM 2.5, Anti-Allergy Enzyme (Optional), Nano Platinum, SELF CLEAN

Outdoor Unit

System 3

3 Rooms **MXY-3H28VG** Outdoor unit 1:3 Indoor units

(Optional drainage kit is available)

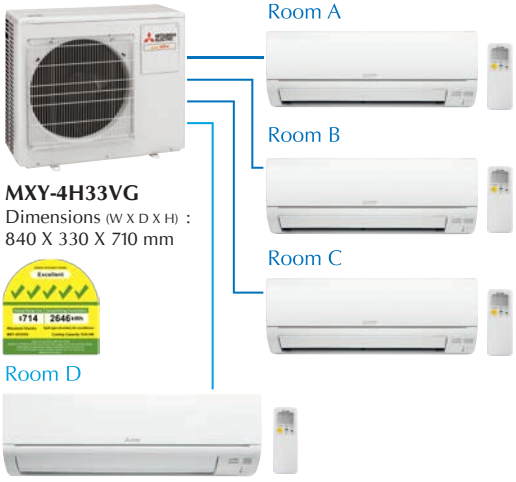


MXY-3H28VG
Dimensions (W X D X H) :
840 X 330 X 710 mm

System 4

4 Rooms **MXY-4H33VG** Outdoor unit 1:4 Indoor units

(Optional drainage kit is available)



MXY-4H33VG
Dimensions (W X D X H) :
840 X 330 X 710 mm

Conversion formula: Btu/h=kW x 3412 It is just a reference value. + With single unit operation depending on combination.

Inverter Multi
Split System

R32 REFRIGERANT

Mitsubishi Electric starMEX Air-Conditioner

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.



Indoor Unit



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

MSXY-FP10VG
Cooling capacity: 2.8kW+

MSXY-FP13VG
Cooling capacity: 3.5kW+

MSXY-FP18VG
Cooling capacity: 5.0kW+

EASY CLEAN, PM2.5 Filter Cleaner Air, 3D coating, R32 Refrigerant

DC Inverter, PAM Control, Only 19dB (MSXY-FP10,13VG), EASYCLEAN, Econo Cool, Fuzzy I FEEL, COOL, 24, Auto Restart, Self Diagnosis, Quiet, NEW LEV, AUTO, 3D coating, PM 2.5, Anti-Allergy Enzyme (Optional), Nano Platinum, SELF CLEAN



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

MSXY-FP20VG
Cooling capacity: 6.0kW+

MSXY-FP24VG**
Cooling capacity: 7.1kW+

EASY CLEAN, PM2.5 Filter Cleaner Air, 3D coating, R32 Refrigerant

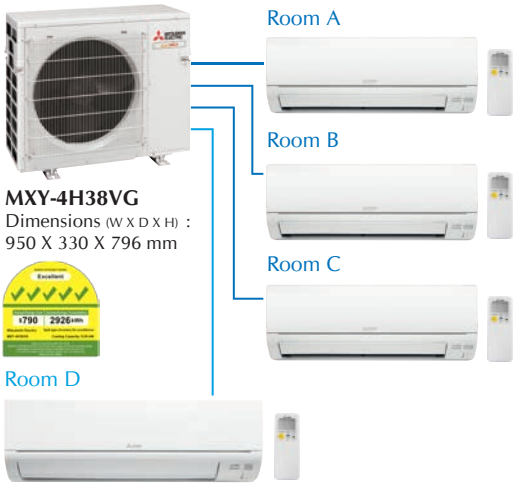
DC Inverter, PAM Control, EASYCLEAN, Econo Cool, Fuzzy I FEEL, COOL, 24, Auto Restart, Self Diagnosis, Quiet, NEW LEV, AUTO, 3D coating, PM 2.5, Anti-Allergy Enzyme (Optional), Nano Platinum, SELF CLEAN

Outdoor Unit

System 4

4 Rooms **MXY-4H38VG** Outdoor unit 1:4 Indoor units

(Optional drainage kit is available)

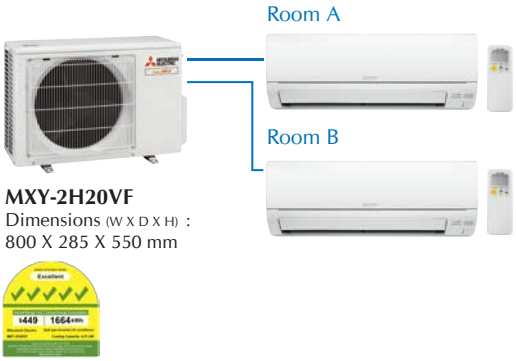


MXY-4H38VG
Dimensions (W X D X H) :
950 X 330 X 796 mm

System 2

2 Rooms **MXY-2H20VF** Outdoor unit 1:2 Indoor units

(Optional drainage kit is available)



MXY-2H20VF
Dimensions (W X D X H) :
800 X 285 X 550 mm

Conversion formula: Btu/h=kW x 3412 It is just a reference value. + With single unit operation depending on combination. **not applicable for MXY-2H20VF

Inverter Multi
Split System

Mitsubishi Electric starMEX Air-Conditioner

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.



Indoor Unit



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

MSXY-FP10VG
Cooling capacity: 2.8kW+

MSXY-FP13VG
Cooling capacity: 3.5kW+

MSXY-FP18VG
Cooling capacity: 5.0kW+

EASY CLEAN+ | PM2.5 Filter Cleaner Air | 3D i-see coating | R32 Refrigerant

DC Inverter | PAM Control | Only 19dB (MSXY-FP10,13VG) | EASYCLEAN | Econo Cool | Fuzzy I FEEL | Dry | COOL | 24 | Auto Restart | Plasma Quad | Ion | Self Diagnosis | Quiet | NEW LEV | Flat Panel | AUTO | 3D i-see coating | PM 2.5 | Anti-Allergy Enzyme (Optional) | Nano Platinum | Refresh | SELF CLEAN



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

MSXY-FP20VG
Cooling capacity: 6.0kW+

MSXY-FP24VG
Cooling capacity: 7.1kW+

EASY CLEAN+ | PM2.5 Filter Cleaner Air | 3D i-see coating | R32 Refrigerant

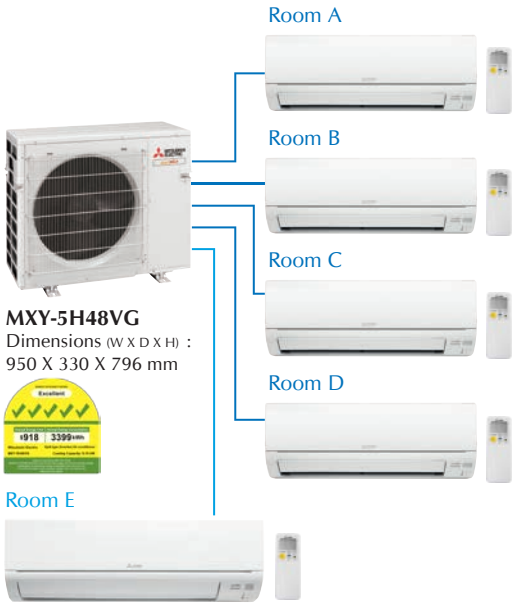
DC Inverter | PAM Control | EASYCLEAN | Econo Cool | Fuzzy I FEEL | Dry | COOL | 24 | Auto Restart | Plasma Quad | Ion | Self Diagnosis | Quiet | NEW LEV | Flat Panel | AUTO | 3D i-see coating | PM 2.5 | Anti-Allergy Enzyme (Optional) | Nano Platinum | Refresh | SELF CLEAN

Outdoor Unit

System 5

5 Rooms **MXY-5H48VG** Outdoor unit 1:5 Indoor units

(Optional drainage kit is available)



MXY-5H48VG
Dimensions (W X D X H) :
950 X 330 X 796 mm

Conversion formula: Btu/h=kW x 3412 It is just a reference value. + With single unit operation depending on combination.

starMEX

R32 REFRIGERANT

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



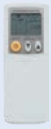
Indoor Unit



MSXY-FP10/13/18VG
Dimension (W X D X H): 799 X 232 X 290 mm



MSXY-FP20/24VG
Dimension (W X D X H): 923 X 250 X 305 mm



Outdoor Unit



MXY-2H20VF
Dimension (W X D X H):
800 X 285 X 550 mm



MXY-3H28VG / MXY-4H33VG
Dimension (W X D X H):
840 X 330 X 710 mm



MXY-4H38VG / MXY-5H48VG
Dimension (W X D X H):
950 X 330 X 796 mm

Multi Split System

Model- Indoor Unit				MSXY-FP10VG	MSXY-FP13VG	MSXY-FP18VG	MSXY-FP20VG	MSXY-FP24VG
Rated Capacity ^			kW	2.8	3.5	5.0	6.0	7.1
Power Input			kW	0.028	0.036	0.042	0.059	
Running Current			A	0.27	0.33	0.38	0.52	
Airflow Rate			CMM (m³/min)	4.1-5.1-6.3-9.1-12.9	4.1-5.1-6.3-9.1-14.1	6.2-7.7-9.5-12.1-14.8	9.3-11.1-13.7-16.1-20.0	
Sound Level *			dB(A)	19-24-29-36-45	19-24-30-36-47	28-33-38-44-49	30-35-41-45-50	
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 (ø)	mm	9.52			12.70	
		Liquid (ø)	mm	6.35				

Model- Outdoor Unit				MXY-2H20VF	MXY-3H28VG	MXY-4H33VG	MXY-4H38VG	MXY-5H48VG
Capacity (Min - Max)			kW	4.5 (1.3 - 6.5)	6.5 (1.3 - 8.9)	6.9 (1.3 - 10.7)	8.0 (1.4 - 11.6)	9.2 (1.4 - 13.0)
Power Input			kW	0.91	1.33	1.42	1.62	1.89
Starting Current			A	4.88	5.93	6.37	7.22	8.43
Running Current			A	4.88	5.93	6.37	7.22	8.43
Airflow			CMM (m³/min)	32.9	38.7		59.2	64.7
Dimension (W X D X H)		Outdoor	mm	800 x 285 x 550	840 x 330 x 710		950 x 330 x 796	
Net Weight		Outdoor	kg	37	55	56	58	61
Outdoor Sound Level *			dB(A)	49				
Connection Method		Indoor/Outdoor		Flared				
External Piping	Diameter	Gas (ø)	mm	2 no X 9.52	3 no X 9.52	1 no X 12.70 + 3 no X 9.52		1 no X 12.70 + 4 no X 9.52
		Liquid (ø)	mm	2 no X 6.35	3 no X 6.35	4 no X 6.35		5 no X 6.35
Piping Length	Max Length (Each)		m	20	25			
	Max. Length		m	30	60		70	75
	Max. Height**		m	15				
Refrigerant				R32				
Power Supply			V, Phase, Hz	230, 1, 50				
Pre-charged Refrigerant Quantity (Max)			kg	1.20 (1.20)	1.65 (1.65)	1.85 (1.85)	2.00 (2.00)	2.20 (2.20)
No. of connectable indoor units (System)				2	3	4		5
Energy Labelling Scheme								

*Note: Sound level is measured in anechoic chambers. ** If the outdoor unit is installed higher than the indoor unit, max. height is reduced to 10m. ^ It depends on combination.

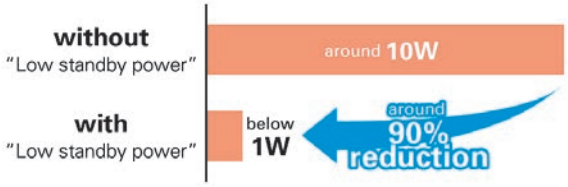
FP Series

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.



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.





MSXY-FP

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. **Cleaning of filter and heat exchanger is possible by removing the panel.



Filter | Heat exchanger | Fan

Dual Barrier Coating

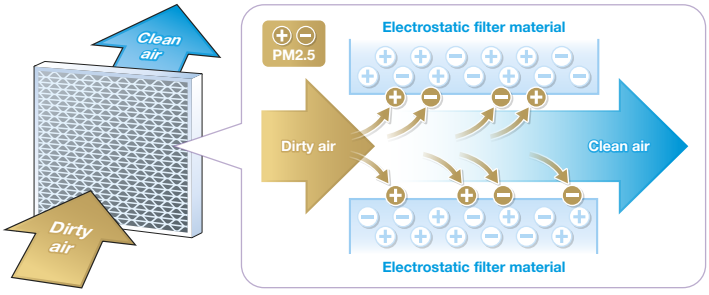
Dual Barrier Coating prevents dust and greasy dirt from sticking onto the coated air conditioner. Dirt is generally classified into two groups: hydrophilic dirt such as fiber dust and sand dust, and hydrophobic dirt such as oil and cigarette smoke. Mitsubishi Electric's unique dual barrier coating prevents 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.

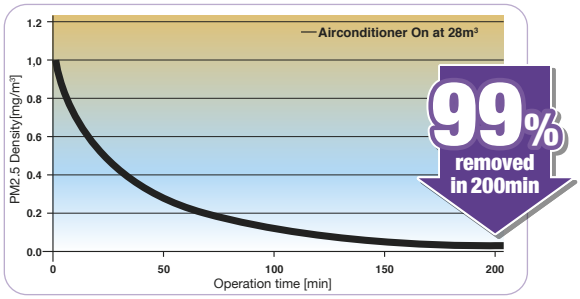
- Electrostatic filter even effectively removes and eliminates miniscule particulate materials.



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 lowered ceilings. Highly reliable energy savings performance makes it a best match choice for concealed unit installations.

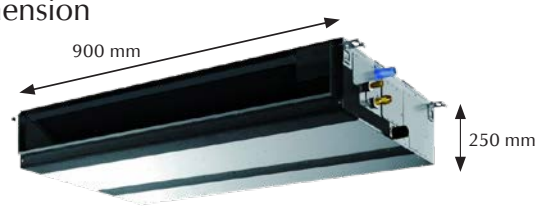


Compact Ceiling Concealed Style

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.

Dimension



PEY-M50/60JAL



PEY-M50/60/71JAL

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.

Indoor				PEY-M50JAL	PEY-M60JAL	PEY-M71JAL
Rated Capacity (Min-Max)**			kW	5.0 (1.5-5.8)	6.0 (1.6-6.7)	7.1 (1.7-8.5)
Power Input			kW	0.11		0.17
Max Running Current			A	1.39		1.97
Airflow Rate (Lo-Mid-High)			CMM (m³/min)	12.0-14.5-17.0		17.5-21.0-25.0
Sound Level (Lo-Mid-High)*			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	27.0		30.5
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) **Varies according to connected CU model
Total indoor running current must not exceed 3 Amps when connecting PEY-M indoor units with MXY-H series

SEZ Series

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



Compact Ceiling Concealed Units

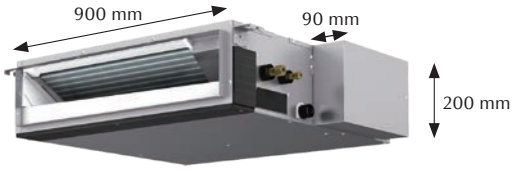
Only the intake-air grille and outlet vents are visible when using this ceiling concealed indoor unit. The rest of the unit is conveniently hidden in the ceiling cavity, essentially leaving the ceiling and walls free of bulky looking devices and maintaining a high-class interior décor.

The compact units require minimal space and can be installed in buildings with lowered ceilings, where exposed units were the rule in the past.

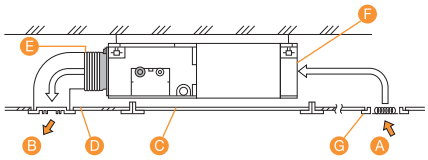


SEZ-M35/50/71 DAL

Dimension



SEZ-M35/50DAL



Wide Selection of Fan Speed and Static Pressure Level

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

Drain Pump (Optional)

The PAC-KE07DM-E drain pump is now available as an option. With the pump, a drain hose length of up to 550mm can be used, leading to increased installation possibilities.

Indoor				SEZ-M35DAL	SEZ-M50DAL	SEZ-M71DAL
Rated Capacity (Min-Max)**			kW	3.5 (1.4-4.3)	5.0 (1.5-5.8)	7.1 (1.7-8.5)
Power Input			kW	0.05	0.07	0.10
Max Running Current			A	0.46	0.63	0.84
Airflow Rate (Lo-Mid-High)			CMM (m³/min)	7.0-9.0-11.0	10.0-12.5-15.0	12.0-16.0-20.0
Sound Level (Lo-Mid-High)*			dB(A)	23-28-33	30-34-37	30-35-40
Dimension (W X D X H)			mm	990 × 700 x 200		1190 × 700 x 200
Net Weight			kg	21	22	25.5
External Piping	Diameter	Gas (ø)	mm	9.52	12.70	15.88
		Liquid (ø)	mm	6.35		9.52
Static Pressure			Pa	5-15-35-50		

*Note: sound level is measure in anechoic chambers (based on 15Pa) **Varies according to connected CU model

Mr.SLIM

Inverter Single
Split System

R32 REFRIGERANT

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



PLY-M60EA#
Cooling Capacity: 6.0kW



optional

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



PLY-ZM50EA#
Cooling capacity: 5.1kW

PLY-M80EA#
Cooling Capacity: 7.6kW

PLY-M100EA3#
Cooling Capacity: 9.5kW

PLY-M125EA3#
Cooling Capacity: 11.4kW



optional

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

DC Inverter | PAM Control | 24 | High Low | Weekly Timer | (For wired controller only) | Multi-Language (For wired controller only) | R32 Refrigerant

Outdoor Unit



SUY-ZM50VA/M60VA
Dimensions (W X D X H) :
800 X 285 X 714 mm



SUY-M80VA
Dimensions (W X D X H) :
840 X 330 X 880 mm



PUY-M100VKA3
Dimensions (W X D X H) :
1050 X 330 X 981 mm



PUY-M125VDA
Dimensions (W X D X H) :
1100 X 460 X 870 mm

Mr Slim Inverter Ceiling Cassette Type PLY Series

Model							
Indoor			PLY-ZM50EA	PLY-M60EA	PLY-M80EA	PLY-M100EA3	PLY-M125EA3
Outdoor			SUY-ZM50VA	SUY-M60VA	SUY-M80VA	PUY-M100VKA3	PUY-M125VDA
Function & type			Cooling, Ceiling Cassette				
Capacity (Rated/Max)		kW	5.1 (5.7)	6.0 (6.5)	7.6 (8.9)	9.5 (11.3)	11.4 (14.0)
Power Input		kW	1.03	1.37	1.76	2.21	2.66
Running Current		A	4.80	6.30	8.10	10.2	12.2
Airflow		CMM(m³/min)	14-17-20-23	16-18-20-23	17-21-25-29	21-25-28-32	26-29-32-36
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 981	1100 x 460 x 870
Net Weight	Indoor	kg	27	21	24	27	
	Outdoor	kg	35		43	63	81
Indoor Sound level *	(Silent - High)	dB(A)	23-27-31-35	28-31-34-37	27-32-37-41	32-37-41-44	39-41-44-47
Outdoor Sound Level *		dB(A)	48		54	55	
Connection method	Indoor/Outdoor		Flared				
External Piping	Diameter Gas (ø)	mm	15.88				
	Diameter Liquid (ø)	mm	9.52				
Heat Exchanger**			Multiflow Condenser (MFC)				
Piping Length	Max. Length ***	m	20		30	50	
	Max. Height	m	12		15	30	
Power Supply		V, Phase, Hz	230, 1, 50				
Pre-charged Refrigerant Quantity (Max)		kg	1.01 (1.01)	0.85 (0.85)	0.96 (0.96)	1.2 (1.20)	1.4 (1.40)
Energy labelling scheme							

*Note: Sound level is measured in anechoic chambers.
** Only applicable to outdoor unit.
*** Refrigerant recovery equipment is required for pump down operation for piping exceeding 7m for SUY-ZM50/M60/M80VA and 10m for PUY-M100VKA3/PUY-M125VDA
# Kindly discuss with your installer on the placement of Advisory label.

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.



PEY Series

Indoor Unit



Dimensions (W X D X H) :
900 X 732 X 250 mm

PEY-M50JAL2#
Cooling capacity: 5.0kW

PEY-M60JAL2#
Cooling capacity: 6.0kW



optional



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

PEY-M80JAL2#
Cooling capacity: 8.0kW



optional



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

PEY-M100JAL2#
Cooling capacity: 10.0kW

PEY-M125JAL2#
Cooling capacity: 12.5kW



optional

DC Inverter | PAM Control | Weekly Timer | (For wired controller only) | Multi-Language (For wired controller only) | R32 Refrigerant

Outdoor Unit



SUY-ZM50VA/M60VA
Dimensions (W X D X H) :
800 X 285 X 714 mm



SUY-M80VA
Dimensions (W X D X H) :
840 X 330 X 880 mm



PUY-M100VKA3
Dimensions (W X D X H) :
1050 X 330 X 981 mm



PUY-M125VDA
Dimensions (W X D X H) :
1100 X 460 X 870 mm

Mr Slim Inverter Ceiling-Concealed Type PEY Series

Model							
Indoor			PEY-M50JAL2	PEY-M60JAL2	PEY-M80JAL2	PEY-M100JAL2	PEY-M125JAL2
Outdoor			SUY-ZM50VA	SUY-M60VA	SUY-M80VA	PUY-M100VKA3	PUY-M125VDA
Function & type			Cooling, Ceiling Concealed				
Capacity (Rated/Max)		kW	5.0 (5.7)	6.0 (6.5)	8.0 (8.9)	10.0 (11.3)	12.5 (14.0)
Power Input		kW	1.43	1.89	2.15	3.2	4.05
Running Current		A	6.6	8.6	9.7	14.6	18.2
Airflow		CMM(m³/min)	12.0-14.5-17.0		17.5-21.0-25.0	29.5-35.5-42.0	
Dimension (W X D X H)	Indoor	mm	900 x 732 x 250		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 981	1100 x 460 x 870
Net Weight	Indoor	kg	27		30	39	
	Outdoor	kg	35		43	63	81
Indoor Sound level *	(Silent - High)	dB(A)	28-32-36		29-33-37	36-40-44	
Outdoor Sound Level *		dB(A)	48		54	55	
Connection method	Indoor/Outdoor		Flared				
External Piping	Diameter	Gas (ø) mm	15.88				
		Liquid (ø) mm	9.52				
Heat Exchanger**			Multiflow Condenser (MFC)				
Piping Length	Max. Length***	m	20		30	50	
	Max. Height	m	12		15	30	
Power Supply		V, Phase, Hz	230, 1, 50				
Pre-charged Refrigerant Quantity (Max)		kg	1.01 (1.01)	0.85 (0.85)	0.96 (0.96)	1.2 (1.20)	1.4 (1.40)

*Note: Sound level is measured in anechoic chambers.
** Only applicable to outdoor unit.
*** Refrigerant recovery equipment is required for pump down operation for piping exceeding 7m for SUY-ZM50/M60/M80VA and 10m for PUY-M100VKA3/PUY-M125VDA
# Kindly discuss with your installer on the placement of Advisory label.

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

PCY-M125KAL3#

Cooling capacity: 10.4kW

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

DC Inverter | PAM Control | 24 | High Low | Weekly Timer | (For wired controller only) | Multi-Language (For wired controller only) | R32

Outdoor Unit



PUY-M125VDA

Dimensions (W X D X H) : 1100 X 460 X 870 mm

Mr Slim Inverter Ceiling-Suspended Type PCY Series

Model				
Indoor				PCY-M125KAL3
Outdoor				PUY-M125VDA
Function & type				Cooling, Ceiling Suspended
Capacity (Max)			kW	10.4 (14.0)
Power Input			kW	2.42
Running Current			A	11.2
Airflow			CMM(m^3/min)	27-29-32-34
Dimension (W X D X H)	Indoor		mm	1600 x 680 x 230
	Outdoor		mm	1100 x 460 x 870
Net Weight	Indoor		kg	40
	Outdoor		kg	81
Indoor Sound level *	(Silent - High)		dB(A)	42-44-46-48
Outdoor Sound Level *			dB(A)	55
Connection method	Indoor/Outdoor			Flared
External Piping	Diameter	Gas (ø)	mm	15.88
		Liquid (ø)	mm	9.52
Heat Exchanger**				Multiflow Condenser (MFC)
Piping Length	Max. Length***		m	50
	Max. Height		m	30
Power Supply			V, Phase, Hz	230, 1, 50
Pre-charged Refrigerant Quantity (Max)			kg	1.4 (1.40)
Energy labelling scheme				

*Note: Sound level is measured in anechoic chambers.
** Only applicable to outdoor unit.
***Refrigerant recovery equipment is required for pump down operation for piping exceeding 10m.
Kindly discuss with your installer on the placement of Advisory label.

Conversion formula: Btu/h=kW x 3412

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		Capacity of each indoor unit (kW)				Total capacity (kW)			Total power input (kW)			Total running current (A)		
	(A + B)		A	B	C	D	Nominal Rating	Min.	Max.	Nominal Rating	Min.	Max.	Nominal Rating	Min.	Max.
MXY-3H28VG	1 Room	10	2.80	-	-	-	2.80	1.40	3.80	0.62	0.38	0.90	2.75	1.69	3.99
		13	3.50	-	-	-	3.50	1.40	4.30	0.81	0.40	1.00	3.59	1.77	4.44
		18	5.00	-	-	-	5.00	1.50	5.30	1.20	0.43	1.56	5.32	1.91	6.92
		20	5.70	-	-	-	5.70	1.60	6.60	1.59	0.47	2.20	7.05	2.09	9.76
		24	5.70	-	-	-	5.70	1.70	7.50	1.61	0.48	2.66	7.14	2.13	11.80
	2 Room	10+10	2.80	2.80	-	-	5.60	2.00	7.00	1.39	0.48	2.16	6.17	2.13	9.58
		10+13	2.62	3.28	-	-	5.90	2.00	7.20	1.40	0.48	2.36	6.21	2.13	10.47
		10+18	2.23	3.97	-	-	6.20	2.00	7.60	1.41	0.48	2.63	6.26	2.13	11.65
		10+20	1.97	4.23	-	-	6.20	2.00	7.80	1.42	0.48	2.71	6.30	2.13	12.00
		10+24	1.75	4.45	-	-	6.20	2.00	8.00	1.44	0.48	2.79	6.39	2.13	12.38
		13+13	3.10	3.10	-	-	6.20	2.00	7.40	1.40	0.48	2.56	6.21	2.13	11.36
		13+18	2.55	3.65	-	-	6.20	2.00	7.70	1.42	0.48	2.68	6.30	2.13	11.89
		13+20	2.28	3.92	-	-	6.20	2.00	7.90	1.43	0.48	2.76	6.34	2.13	12.24
		13+24	2.05	4.15	-	-	6.20	2.00	8.10	1.43	0.48	2.82	6.34	2.13	12.49
		18+18	3.10	3.10	-	-	6.20	2.00	8.00	1.44	0.48	2.80	6.39	2.13	12.42
		18+20	2.82	3.38	-	-	6.20	2.00	8.10	1.42	0.48	2.83	6.30	2.13	12.53
	3 Room	10+10+10	2.07	2.07	2.07	-	6.20	2.40	8.80	1.16	0.48	2.86	5.15	2.13	12.69
		10+10+13	1.91	1.91	2.38	-	6.20	2.40	8.80	1.15	0.48	2.86	5.10	2.13	12.67
		10+10+18	1.64	1.64	2.92	-	6.20	2.40	8.90	1.12	0.48	2.84	4.97	2.13	12.60
		10+10+20	1.57	1.57	3.36	-	6.50	2.40	8.90	1.33	0.48	2.84	5.90	2.13	12.60
		10+13+13	1.77	2.21	2.21	-	6.20	2.40	8.90	1.13	0.48	2.85	5.01	2.13	12.62
		10+13+18	1.54	1.92	2.74	-	6.20	2.40	8.90	1.12	0.48	2.84	4.97	2.13	12.60
		10+20+20	1.17	2.51	2.51	-	6.20	2.40	8.90	1.11	0.48	2.85	4.92	2.13	12.62
		13+13+13	2.07	2.07	2.07	-	6.20	2.40	8.90	1.12	0.48	2.84	4.97	2.13	12.60
MXY-4H33VG	1 Room	10	2.80	-	-	-	2.80	1.40	3.80	0.62	0.38	0.90	2.78	1.70	4.03
		13	3.50	-	-	-	3.50	1.40	4.30	0.82	0.40	1.05	3.68	1.79	4.71
		18	5.00	-	-	-	5.00	1.50	5.30	1.26	0.43	1.68	5.65	1.93	7.53
		20	6.00	-	-	-	6.00	1.60	6.60	1.72	0.47	2.20	7.71	2.11	9.86
		24	6.20	-	-	-	6.20	1.70	7.50	1.82	0.48	2.80	8.16	2.15	12.55
	2 Room	10+10	2.80	2.80	-	-	5.60	2.00	7.00	1.39	0.55	2.14	6.23	2.44	9.59
		10+13	2.71	3.39	-	-	6.10	2.00	7.20	1.52	0.55	2.35	6.81	2.44	10.51
		10+18	2.33	4.17	-	-	6.50	2.00	7.60	1.67	0.55	2.61	7.49	2.44	11.70
		10+20	2.07	4.43	-	-	6.50	2.00	7.80	1.70	0.55	2.68	7.62	2.44	12.01
		10+24	1.84	4.66	-	-	6.50	2.00	8.00	1.73	0.55	2.77	7.75	2.44	12.39
		13+13	3.25	3.25	-	-	6.50	2.00	7.40	1.65	0.55	2.55	7.40	2.44	11.43
		13+18	2.68	3.82	-	-	6.50	2.00	7.70	1.69	0.55	2.66	7.58	2.44	11.92
		13+20	2.39	4.11	-	-	6.50	2.00	7.90	1.72	0.55	2.74	7.71	2.44	12.26
		13+24	2.15	4.35	-	-	6.50	2.00	8.10	1.71	0.55	2.80	7.66	2.44	12.53
		18+18	3.25	3.25	-	-	6.50	2.00	8.00	1.73	0.55	2.77	7.75	2.44	12.42
		18+20	2.95	3.55	-	-	6.50	2.00	8.10	1.70	0.55	2.81	7.62	2.44	12.60
		18+24	2.69	3.81	-	-	6.50	2.00	8.20	1.67	0.55	2.86	7.49	2.44	12.80
		20+20	3.25	3.25	-	-	6.50	2.00	8.20	1.67	0.55	2.85	7.49	2.44	12.77
		20+24	2.98	3.52	-	-	6.50	2.00	8.30	1.67	0.55	2.90	7.49	2.44	13.00
	3 Room	10+10+10	2.17	2.17	2.17	-	6.50	2.50	8.80	1.46	0.55	2.82	6.54	2.44	12.62
		10+10+13	2.00	2.00	2.50	-	6.50	2.50	8.80	1.45	0.55	2.82	6.50	2.44	12.62
		10+10+18	1.72	1.72	3.07	-	6.50	2.50	8.90	1.44	0.55	2.81	6.45	2.44	12.60
		10+10+20	1.57	1.57	3.36	-	6.50	2.50	8.90	1.44	0.55	2.81	6.45	2.44	12.57
		10+10+24	1.43	1.43	3.63	-	6.50	2.50	8.90	1.43	0.55	2.80	6.41	2.44	12.55
		10+13+13	1.86	2.32	2.32	-	6.50	2.50	8.90	1.45	0.55	2.82	6.50	2.44	12.62
		10+13+18	1.61	2.01	2.88	-	6.50	2.50	8.90	1.44	0.55	2.81	6.45	2.44	12.57
		10+13+20	1.48	1.85	3.17	-	6.50	2.50	8.90	1.43	0.55	2.80	6.41	2.44	12.55
		10+13+24	1.36	1.70	3.44	-	6.50	2.50	8.90	1.43	0.55	2.80	6.41	2.44	12.53
		10+18+18	1.42	2.54	2.54	-	6.50	2.50	8.90	1.43	0.55	2.80	6.41	2.44	12.55
		10+18+20	1.32	2.36	2.83	-	6.50	2.50	8.90	1.43	0.55	2.80	6.41	2.44	12.53
		10+18+24	1.22	2.18	3.10	-	6.50	2.50	8.90	1.42	0.55	2.79	6.36	2.44	12.51
		10+20+20	1.23	2.64	2.64	-	6.50	2.50	8.90	1.42	0.55	2.79	6.36	2.44	12.51
		13+13+13	2.17	2.17	2.17	-	6.50	2.50	8.90	1.44	0.55	2.81	6.45	2.44	12.60
		13+13+18	1.90	1.90	2.71	-	6.50	2.50	8.90	1.43	0.55	2.81	6.41	2.44	12.57
		13+13+20	1.75	1.75	3.00	-	6.50	2.50	8.90	1.43	0.55	2.80	6.41	2.44	12.55
		13+13+24	1.61	1.61	3.27	-	6.50	2.50	8.90	1.42	0.55	2.80	6.36	2.44	12.53
		13+18+18	1.69	2.41	2.41	-	6.50	2.50	8.90	1.43	0.55	2.80	6.41	2.44	12.53
		13+18+20	1.57	2.24	2.69	-	6.50	2.50	8.90	1.42	0.55	2.79	6.36	2.44	12.51
		13+18+24	1.46	2.08	2.96	-	6.50	2.50	8.90	1.42	0.55	2.79	6.36	2.44	12.48
		13+20+20	1.47	2.52	2.52	-	6.50	2.50	8.90	1.42	0.55	2.79	6.36	2.44	12.48
		18+18+18	2.17	2.17	2.17	-	6.50	2.50	8.90	1.42	0.55	2.79	6.36	2.44	12.51
		18+18+20	2.03	2.03	2.44	-	6.50	2.50	8.90	1.41	0.55	2.79	6.32	2.44	12.48
		18+18+24	1.90	1.90	2.70	-	6.50	2.50	8.90	1.41	0.55	2.78	6.32	2.44	12.44
		18+20+20	1.91	2.29	2.29	-	6.50	2.50	8.90	1.41	0.55	2.78	6.32	2.44	12.44
	4 Room	10+10+10+10	1.63	1.63	1.63	1.63	6.50	2.60	8.90	1.30	0.55	2.85	5.83	2.44	12.77
		10+10+10+13	1.53	1.53	1.53	1.91	6.50	2.60	8.90	1.30	0.55	2.84	5.83	2.44	12.73
		10+10+10+18	1.36	1.36	1.36	2.43	6.50	2.60	8.90	1.30	0.55	2.82	5.83	2.44	12.64
		10+10+10+20	1.26	1.26	1.26	2.71	6.50	2.60	9.00	1.30	0.55	2.89	5.83	2.44	12.93
		10+10+10+24	1.17	1.17	1.17	2.98	6.50	2.60	9.40	1.30	0.55	3.10	5.83	2.44	13.87
		10+10+13+13	1.44	1.44	1.81	1.81	6.50	2.60	8.90	1.30	0.55	2.83	5.83	2.44	12.68
		10+10+13+18	1.29	1.29	1.61	2.30	6.50	2.60	8.90	1.30	0.55	2.83	5.83	2.44	12.68
		10+10+13+20	1.21	1.21	1.51	2.58	6.50	2.60	9.20	1.30	0.55	3.02	5.83	2.44	13.51
		10+10+13+24	1.12	1.12	1.40	2.85	6.50	2.60	9.60	1.30	0.55	3.23	5.83	2.44	14.46
		10+10+18+18	1.17	1.17	2.08	2.08	6.50	2.60	9.40	1.30	0.55	3.11	5.83	2.44	13.94
		10+10+18+20	1.10	1.10	1.96	2.35	6.50	2.60	9.70	1.30	0.55	3.30	5.83	2.44	14.79
		10+10+20+20	1.10	1.10	2.35	2.35	6.90	2.60	10.70	1.42	0.55	4.00	6.36	2.44	17.93
		10+13+13+13	1.37	1.71	1.71	1.71	6.50	2.60	8.90	1.30	0.55	2.82	5.83	2.44	12.64
		10+13+13+18	1.23	1.54	1.54	2.20	6.50	2.60	9.10	1.30	0.55	2.96	5.83	2.44	13.27
		10+13+13+20	1.15	1.44	1.44	2.47	6.50	2.60	9.40	1.30	0.55	3.15	5.83	2.44	14.12
		10+13+13+24	1.08	1.35	1.35	2.73	6.50	2.60	9.80	1.30	0.55	3.36	5.83	2.44	15.04
		10+13+18+18	1.12	1.40	1.99	1.99	6.50	2.60	9.60	1.30	0.55	3.25	5.83	2.44	14.55
		10+13+18+20	1.05	1.32	1.88	2.25	6.50	2.60	9.90	1.29	0.55	3.43	5.78	2.44	15.37
		13+13+13+13	1.63	1.63	1.63	1.63	6.50	2.60	8.90	1.30	0.55	2.81	5.83	2.44	12.60
		13+13+13+18	1.47	1.47	1.47	2.10	6.50	2.60	9.40	1.30	0.55	3.10	5.83	2.44	13.87
		13+13+13+20	1.38	1.38	1.38	2.36	6.50	2.60	9.70	1.30	0.55	3.28	5.83	2.44	14.70
		13+13+13+24	1.29	1.29	1.29	2.62	6.50	2.60	10.00	1.29	0.55	3.49	5.78	2.44	15.64
		13+13+18+18	1.34	1.34	1.91	1.91	6.50	2.60	9.80	1.30	0.55	3.38	5.83	2.44	15.13

*Total Indoor Running current must not exceed 3Amps when connecting with PEY-M Series

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		Capacity of each indoor unit (kW)				Total capacity (kW)			Total power input (kW)			Total running current (A)		
	(A + B)		A	B	C	D	Nominal Rating	Min.	Max.	Nominal Rating	Min.	Max.	Nominal Rating	Min.	Max.
MXY-4H38VG	1 Room	10	2.80	-	-	-	2.80	1.40	3.80	0.62	0.43	0.90	2.75	1.91	3.99
		13	3.50	-	-	-	3.50	1.40	4.30	0.81	0.43	1.00	3.59	1.91	4.44
		18	5.00	-	-	-	5.00	1.60	5.80	1.23	0.47	1.73	5.46	2.09	7.68
		20	6.00	-	-	-	6.00	1.60	6.70	1.72	0.47	2.20	7.63	2.09	9.76
		24	7.00	-	-	-	7.00	1.60	8.50	2.45	0.47	3.40	10.87	2.09	15.08
	2 Room	10+10	2.80	2.80	-	-	5.60	2.00	7.50	1.46	0.59	2.61	6.48	2.60	11.58
		10+13	2.80	3.50	-	-	6.30	2.00	8.20	1.81	0.59	2.92	8.03	2.60	12.93
		10+18	2.51	4.49	-	-	7.00	2.00	8.90	2.13	0.59	3.23	9.45	2.60	14.33
		10+20	2.23	4.77	-	-	7.00	2.00	8.90	2.08	0.59	3.24	9.23	2.60	14.37
		10+24	1.98	5.02	-	-	7.00	2.00	9.00	2.03	0.59	3.25	9.01	2.60	14.42
		13+13	3.50	3.50	-	-	7.00	2.00	8.80	2.16	0.59	3.22	9.58	2.60	14.29
		13+18	2.88	4.12	-	-	7.00	2.00	8.90	2.10	0.59	3.24	9.32	2.60	14.35
		13+20	2.58	4.42	-	-	7.00	2.00	9.00	2.05	0.59	3.25	9.09	2.60	14.40
		13+24	2.31	4.69	-	-	7.00	2.00	9.10	2.01	0.59	3.13	8.92	2.60	13.89
		18+18	3.50	3.50	-	-	7.00	2.00	9.00	2.03	0.59	3.25	9.01	2.60	14.42
		18+20	3.18	3.82	-	-	7.00	2.10	9.10	1.99	0.59	3.05	8.83	2.60	13.53
		18+24	2.89	4.11	-	-	7.00	2.10	9.20	1.95	0.59	2.85	8.65	2.60	12.64
		20+20	3.50	3.50	-	-	7.00	2.10	9.20	1.95	0.59	2.85	8.65	2.60	12.64
		20+24	3.21	3.79	-	-	7.00	2.10	9.20	1.95	0.59	2.85	8.65	2.60	12.64
	3 Room	10+10+10	2.53	2.53	2.53	-	7.60	2.50	10.00	1.78	0.59	3.35	7.90	2.60	14.86
		10+10+13	2.34	2.34	2.92	-	7.60	2.50	10.20	1.76	0.59	3.35	7.81	2.60	14.86
		10+10+18	2.01	2.01	3.58	-	7.60	2.50	10.60	1.73	0.59	3.35	7.68	2.60	14.86
		10+10+20	1.83	1.83	3.93	-	7.60	2.50	10.60	1.72	0.59	3.35	7.63	2.60	14.86
		10+10+24	1.68	1.68	4.25	-	7.60	2.50	10.70	1.72	0.59	3.35	7.63	2.60	14.86
		10+13+13	2.17	2.71	2.71	-	7.60	2.50	10.40	1.75	0.59	3.35	7.76	2.60	14.86
		10+13+18	1.88	2.35	3.36	-	7.60	2.50	10.60	1.72	0.59	3.35	7.63	2.60	14.86
		10+13+20	1.73	2.16	3.71	-	7.60	2.50	10.70	1.72	0.59	3.35	7.63	2.60	14.86
		10+13+24	1.59	1.99	4.03	-	7.60	2.50	10.70	1.71	0.59	3.35	7.59	2.60	14.86
		10+18+18	1.66	2.97	2.97	-	7.60	2.50	10.70	1.71	0.59	3.35	7.59	2.60	14.86
		10+18+20	1.54	2.75	3.30	-	7.60	2.50	10.70	1.71	0.59	3.35	7.59	2.60	14.86
		10+18+24	1.43	2.55	3.62	-	7.60	2.50	10.80	1.70	0.59	3.35	7.54	2.60	14.86
		10+20+20	1.44	3.08	3.08	-	7.60	2.50	10.80	1.70	0.59	3.35	7.54	2.60	14.86
		13+13+13	2.53	2.53	2.53	-	7.60	2.50	10.60	1.73	0.59	3.35	7.68	2.60	14.86
		13+13+18	2.22	2.22	3.17	-	7.60	2.50	10.70	1.72	0.59	3.35	7.63	2.60	14.86
		13+13+20	2.05	2.05	3.51	-	7.60	2.50	10.70	1.71	0.59	3.35	7.59	2.60	14.86
		13+13+24	1.89	1.89	3.83	-	7.60	2.50	10.80	1.71	0.59	3.35	7.59	2.60	14.86
		13+18+18	1.97	2.81	2.81	-	7.60	2.50	10.70	1.71	0.59	3.35	7.59	2.60	14.86
		13+18+20	1.83	2.62	3.14	-	7.60	2.50	10.80	1.70	0.59	3.35	7.54	2.60	14.86
		13+18+24	1.71	2.44	3.46	-	7.60	2.50	10.80	1.68	0.59	3.35	7.45	2.60	14.86
		13+20+20	1.72	2.94	2.94	-	7.60	2.50	10.80	1.69	0.59	3.35	7.50	2.60	14.86
		18+18+18	2.53	2.53	2.53	-	7.60	2.50	10.80	1.70	0.59	3.35	7.54	2.60	14.86
		18+18+20	2.38	2.38	2.85	-	7.60	2.50	10.80	1.67	0.59	3.35	7.41	2.60	14.86
		18+18+24	2.22	2.22	3.16	-	7.60	2.50	10.80	1.64	0.59	3.35	7.28	2.60	14.86
		18+20+20	2.24	2.68	2.68	-	7.60	2.50	10.80	1.65	0.59	3.35	7.32	2.60	14.86
	4 Room	10+10+10+10	1.90	1.90	1.90	1.90	7.60	3.00	11.60	1.40	0.59	3.79	6.21	2.60	16.81
		10+10+10+13	1.79	1.79	1.79	2.24	7.60	3.00	11.60	1.40	0.59	3.71	6.21	2.60	16.44
		10+10+10+18	1.59	1.59	1.59	2.84	7.60	3.00	11.60	1.39	0.59	3.52	6.17	2.60	15.59
		10+10+10+20	1.48	1.48	1.48	3.17	7.60	3.00	11.60	1.39	0.59	3.44	6.17	2.60	15.26
		10+10+10+24	1.37	1.37	1.37	3.48	7.60	3.00	11.60	1.39	0.59	3.44	6.17	2.60	15.26
		10+10+13+13	1.69	1.69	2.11	2.11	7.60	3.00	11.60	1.40	0.59	3.62	6.21	2.60	16.04
		10+10+13+18	1.51	1.51	1.89	2.70	7.60	3.00	11.60	1.39	0.59	3.44	6.17	2.60	15.26
		10+10+13+20	1.41	1.41	1.76	3.02	7.60	3.00	11.60	1.39	0.59	3.44	6.17	2.60	15.26
		10+10+13+24	1.31	1.31	1.64	3.33	7.60	3.00	11.60	1.39	0.59	3.44	6.17	2.60	15.26
		10+10+18+18	1.36	1.36	2.44	2.44	7.60	3.00	11.60	1.39	0.59	3.44	6.17	2.60	15.26
		10+10+18+20	1.28	1.28	2.29	2.75	7.60	3.00	11.60	1.39	0.59	3.44	6.17	2.60	15.26
		10+10+20+20	1.27	1.27	2.73	2.73	8.00	3.00	11.60	1.62	0.59	3.44	7.19	2.60	15.26
		10+13+13+13	1.60	2.00	2.00	2.00	7.60	3.00	11.60	1.39	0.59	3.53	6.17	2.60	15.66
		10+13+13+18	1.44	1.80	1.80	2.57	7.60	3.00	11.60	1.39	0.59	3.44	6.17	2.60	15.26
		10+13+13+20	1.35	1.68	1.68	2.89	7.60	3.00	11.60	1.39	0.59	3.44	6.17	2.60	15.26
		10+13+13+24	1.26	1.57	1.57	3.19	7.60	3.00	11.60	1.39	0.59	3.44	6.17	2.60	15.26
		10+13+18+18	1.31	1.63	2.33	2.33	7.60	3.00	11.60	1.39	0.59	3.44	6.17	2.60	15.26
		10+13+18+20	1.23	1.54	2.20	2.64	7.60	3.00	11.60	1.38	0.59	3.44	6.12	2.60	15.26
		13+13+13+13	1.90	1.90	1.90	1.90	7.60	3.00	11.60	1.39	0.59	3.44	6.17	2.60	15.26
		13+13+13+18	1.72	1.72	1.72	2.45	7.60	3.00	11.60	1.39	0.59	3.44	6.17	2.60	15.26
		13+13+13+20	1.61	1.61	1.61	2.76	7.60	3.00	11.60	1.39	0.59	3.44	6.17	2.60	15.26
		13+13+13+24	1.51	1.51	1.51	3.07	7.60	3.00	11.60	1.38	0.59	3.44	6.12	2.60	15.26
		13+13+18+18	1.56	1.56	2.24	2.24	7.60	3.00	11.60	1.39	0.59	3.44	6.17	2.60	15.26
MXY-2H20VF	1 Room	10	2.80	-	-	-	2.80	1.40	3.80	0.60	0.25	0.84	3.22	1.34	4.51
		13	3.50	-	-	-	3.50	1.40	4.30	0.79	0.25	1.05	4.24	1.34	5.64
		18	4.50	-	-	-	4.50	1.50	5.00	1.20	0.26	1.60	6.44	1.40	8.59
		20	4.50	-	-	-	4.50	1.60	6.00	1.18	0.27	1.92	6.33	1.45	10.31
	2 Room	10+10	2.00	2.00	-	-	4.00	1.50	6.30	0.81	0.32	2.26	4.35	1.72	12.13
		10+13	1.82	2.28	-	-	4.10	1.50	6.40	0.82	0.33	2.26	4.40	1.77	12.13
		10+18	1.47	2.63	-	-	4.10	1.60	6.40	0.83	0.33	2.26	4.46	1.77	12.13
		10+20	1.34	2.86	-	-	4.20	1.60	6.50	0.84	0.34	2.26	4.51	1.83	12.13
		13+13	2.05	2.05	-	-	4.10	1.50	6.40	0.83	0.33	2.26	4.46	1.77	12.13
		13+18	1.73	2.47	-	-	4.20	1.60	6.50	0.84	0.34	2.26	4.51	1.83	12.13
		13+20	1.66	2.84	-	-	4.50	1.70	6.50	0.91	0.34	2.26	4.88	1.83	12.13

CAPACITY

Inverter Multi Split System MXY Series *(For HDB flats with current limitation 8.5A)*

Outdoor Unit	Indoor Unit combination		Capacity of each indoor unit (kW)				Total capacity (kW)			Total power input (kW)			Total running current (A)		
	(A + B)		A	B	C	D	Nominal Rating	Min.	Max.	Nominal Rating	Min.	Max.	Nominal Rating	Min.	Max.
MXY-3H28VG (8.5A)	1 Room	10	2.80	-	-	-	2.80	1.40	3.80	0.62	0.38	0.90	2.75	1.69	3.99
		13	3.50	-	-	-	3.50	1.40	4.30	0.81	0.40	1.00	3.59	1.77	4.44
		18	5.00	-	-	-	5.00	1.50	5.30	1.20	0.43	1.56	5.32	1.91	6.92
		20	5.70	-	-	-	5.70	1.60	6.40	1.54	0.47	1.92	6.83	2.09	8.50
		24	5.70	-	-	-	5.70	1.70	6.60	1.61	0.48	1.92	7.14	2.13	8.50
	2 Room	10+10	2.80	2.80	-	-	5.60	2.00	6.40	1.39	0.48	1.92	6.17	2.13	8.50
		10+13	2.62	3.28	-	-	5.90	2.00	6.50	1.40	0.48	1.92	6.21	2.13	8.50
		10+18	2.23	3.97	-	-	6.20	2.00	6.50	1.43	0.48	1.92	6.34	2.13	8.50
		10+20	1.97	4.23	-	-	6.20	2.00	6.50	1.44	0.48	1.92	6.39	2.13	8.50
		10+24	1.75	4.45	-	-	6.20	2.00	6.50	1.46	0.48	1.92	6.48	2.13	8.50
		13+13	3.10	3.10	-	-	6.20	2.00	6.50	1.40	0.48	1.92	6.21	2.13	8.50
		13+18	2.55	3.65	-	-	6.20	2.00	6.50	1.44	0.48	1.92	6.39	2.13	8.50
		13+20	2.28	3.92	-	-	6.20	2.00	6.50	1.45	0.48	1.92	6.43	2.13	8.50
		13+24	2.05	4.15	-	-	6.20	2.00	6.60	1.45	0.48	1.92	6.43	2.13	8.50
		18+18	3.10	3.10	-	-	6.20	2.00	6.50	1.44	0.48	1.92	6.39	2.13	8.50
		18+20	2.82	3.38	-	-	6.20	2.00	6.60	1.44	0.48	1.92	6.39	2.13	8.50
	3 Room	10+10+10	2.07	2.07	2.07	-	6.20	2.40	7.10	1.16	0.48	1.92	5.15	2.13	8.50
		10+10+13	1.91	1.91	2.38	-	6.20	2.40	7.10	1.16	0.48	1.92	5.15	2.13	8.50
		10+10+18	1.64	1.64	2.92	-	6.20	2.40	7.20	1.14	0.48	1.92	5.06	2.13	8.50
		10+10+20	1.57	1.57	3.36	-	6.50	2.40	7.20	1.33	0.48	1.92	5.90	2.13	8.50
		10+13+13	1.77	2.21	2.21	-	6.20	2.40	7.20	1.15	0.48	1.92	5.10	2.13	8.50
		10+13+18	1.54	1.92	2.74	-	6.20	2.40	7.20	1.14	0.48	1.92	5.06	2.13	8.50
		13+13+13	2.07	2.07	2.07	-	6.20	2.40	7.20	1.12	0.48	1.92	4.97	2.13	8.50
MXY-4H33VG (8.5 A)	1 Room	10	2.80	-	-	-	2.80	1.40	3.80	0.62	0.38	0.90	2.78	1.70	4.03
		13	3.50	-	-	-	3.50	1.40	4.30	0.82	0.40	1.05	3.68	1.79	4.71
		18	5.00	-	-	-	5.00	1.50	5.30	1.26	0.43	1.68	5.65	1.93	7.53
		20	6.00	-	-	-	6.00	1.60	6.40	1.72	0.47	1.90	7.71	2.11	8.50
		24	6.20	-	-	-	6.20	1.70	6.60	1.82	0.48	1.90	8.16	2.15	8.50
	2 Room	10+10	2.80	2.80	-	-	5.60	2.10	6.40	1.39	0.55	1.90	6.23	2.44	8.50
		10+13	2.71	3.39	-	-	6.10	2.10	6.50	1.52	0.55	1.90	6.81	2.44	8.50
		10+18	2.33	4.17	-	-	6.50	2.10	6.50	1.67	0.55	1.90	7.49	2.44	8.50
		10+20	2.07	4.43	-	-	6.50	2.10	6.50	1.70	0.55	1.90	7.62	2.44	8.50
		10+24	1.84	4.66	-	-	6.50	2.10	6.50	1.73	0.55	1.90	7.75	2.44	8.50
		13+13	3.25	3.25	-	-	6.50	2.10	6.50	1.65	0.55	1.90	7.40	2.44	8.50
		13+18	2.68	3.82	-	-	6.50	2.10	6.50	1.69	0.55	1.90	7.58	2.44	8.50
		13+20	2.39	4.11	-	-	6.50	2.10	6.50	1.72	0.55	1.90	7.71	2.44	8.50
		13+24	2.15	4.35	-	-	6.50	2.10	6.60	1.71	0.55	1.90	7.66	2.44	8.50
		18+18	3.25	3.25	-	-	6.50	2.10	6.50	1.73	0.55	1.90	7.75	2.44	8.50
		18+20	2.95	3.55	-	-	6.50	2.10	6.60	1.70	0.55	1.90	7.62	2.44	8.50
		18+24	2.69	3.81	-	-	6.50	2.10	6.70	1.67	0.55	1.90	7.49	2.44	8.50
		20+20	3.25	3.25	-	-	6.50	2.10	6.70	1.67	0.55	1.90	7.49	2.44	8.50
		20+24	2.98	3.52	-	-	6.50	2.10	6.70	1.67	0.55	1.90	7.49	2.44	8.50
	3 Room	10+10+10	2.17	2.17	2.17	-	6.50	2.50	7.10	1.46	0.55	1.90	6.54	2.44	8.50
		10+10+13	2.00	2.00	2.50	-	6.50	2.50	7.10	1.45	0.55	1.90	6.50	2.44	8.50
		10+10+18	1.72	1.72	3.07	-	6.50	2.50	7.20	1.44	0.55	1.90	6.45	2.44	8.50
		10+10+20	1.57	1.57	3.36	-	6.50	2.50	7.20	1.44	0.55	1.90	6.45	2.44	8.50
		10+10+24	1.43	1.43	3.63	-	6.50	2.50	7.20	1.43	0.55	1.90	6.41	2.44	8.50
		10+13+13	1.86	2.32	2.32	-	6.50	2.50	7.20	1.45	0.55	1.90	6.50	2.44	8.50
		10+13+18	1.61	2.01	2.88	-	6.50	2.50	7.20	1.44	0.55	1.90	6.45	2.44	8.50
		10+13+20	1.48	1.85	3.17	-	6.50	2.50	7.20	1.43	0.55	1.90	6.41	2.44	8.50
		10+13+24	1.36	1.70	3.44	-	6.50	2.50	7.20	1.43	0.55	1.90	6.41	2.44	8.50
		10+18+18	1.42	2.54	2.54	-	6.50	2.50	7.20	1.43	0.55	1.90	6.41	2.44	8.50
		10+18+20	1.32	2.36	2.83	-	6.50	2.50	7.20	1.43	0.55	1.90	6.41	2.44	8.50
		10+18+24	1.22	2.18	3.10	-	6.50	2.50	7.20	1.42	0.55	1.90	6.36	2.44	8.50
		10+20+20	1.23	2.64	2.64	-	6.50	2.50	7.20	1.42	0.55	1.90	6.36	2.44	8.50
		13+13+13	2.17	2.17	2.17	-	6.50	2.50	7.20	1.44	0.55	1.90	6.45	2.44	8.50
		13+13+18	1.90	1.90	2.71	-	6.50	2.50	7.20	1.43	0.55	1.90	6.41	2.44	8.50
		13+13+20	1.75	1.75	3.00	-	6.50	2.50	7.20	1.43	0.55	1.90	6.41	2.44	8.50
		13+13+24	1.61	1.61	3.27	-	6.50	2.50	7.20	1.42	0.55	1.90	6.36	2.44	8.50
		13+18+18	1.69	2.41	2.41	-	6.50	2.50	7.20	1.43	0.55	1.90	6.41	2.44	8.50
		13+18+20	1.57	2.24	2.69	-	6.50	2.50	7.20	1.42	0.55	1.90	6.36	2.44	8.50
		13+18+24	1.46	2.08	2.96	-	6.50	2.50	7.20	1.42	0.55	1.90	6.36	2.44	8.50
		13+20+20	1.47	2.52	2.52	-	6.50	2.50	7.20	1.42	0.55	1.90	6.36	2.44	8.50
		18+18+18	2.17	2.17	2.17	-	6.50	2.50	7.20	1.42	0.55	1.90	6.36	2.44	8.50
		18+18+20	2.03	2.03	2.44	-	6.50	2.50	7.20	1.41	0.55	1.90	6.32	2.44	8.50
		18+18+24	1.90	1.90	2.70	-	6.50	2.50	7.20	1.41	0.55	1.90	6.32	2.44	8.50
		18+20+20	1.91	2.29	2.29	-	6.50	2.50	7.20	1.41	0.55	1.90	6.32	2.44	8.50
	4 Room	10+10+10+10	1.63	1.63	1.63	1.63	6.50	2.60	7.20	1.30	0.55	1.90	5.83	2.44	8.50
		10+10+10+13	1.53	1.53	1.53	1.91	6.50	2.60	7.20	1.30	0.55	1.90	5.83	2.44	8.50
		10+10+10+18	1.36	1.36	1.36	2.43	6.50	2.60	7.20	1.30	0.55	1.90	5.83	2.44	8.50
		10+10+10+20	1.26	1.26	1.26	2.71	6.50	2.60	7.20	1.30	0.55	1.90	5.83	2.44	8.50
		10+10+10+24	1.17	1.17	1.17	2.98	6.50	2.60	7.20	1.30	0.55	1.90	5.83	2.44	8.50
		10+10+13+13	1.44	1.44	1.81	1.81	6.50	2.60	7.20	1.30	0.55	1.90	5.83	2.44	8.50
		10+10+13+18	1.29	1.29	1.61	2.30	6.50	2.60	7.20	1.30	0.55	1.90	5.83	2.44	8.50
		10+10+13+20	1.21	1.21	1.51	2.58	6.50	2.60	7.20	1.30	0.55	1.90	5.83	2.44	8.50
		10+10+13+24	1.12	1.12	1.40	2.85	6.50	2.60	7.20	1.30	0.55	1.90	5.83	2.44	8.50
		10+10+18+18	1.17	1.17	2.08	2.08	6.50	2.60	7.20	1.30	0.55	1.90	5.83	2.44	8.50
		10+10+18+20	1.10	1.10	1.96	2.35	6.50	2.60	7.20	1.30	0.55	1.90	5.83	2.44	8.50
		10+10+20+20	1.10	1.10	2.35	2.35	6.90	2.60	7.20	1.42	0.55	1.90	6.36	2.44	8.50
		10+13+13+13	1.37	1.71	1.71	1.71	6.50	2.60	7.20	1.30	0.55	1.90	5.83	2.44	8.50
		10+13+13+18	1.23	1.54	1.54	2.20	6.50	2.60	7.20	1.30	0.55	1.90	5.83	2.44	8.50
		10+13+13+20	1.15	1.44	1.44	2.47	6.50	2.60	7.20	1.30	0.55	1.90	5.83	2.44	8.50
		10+13+13+24	1.08	1.35	1.35	2.73	6.50	2.60	7.20	1.30	0.55	1.90	5.83	2.44	8.50
		10+13+18+18	1.12	1.40	1.99	1.99	6.50	2.60	7.20	1.30	0.55	1.90	5.83	2.44	8.50
		10+13+18+20	1.05	1.32	1.88	2.25	6.50	2.60	7.20	1.29	0.55	1.90	5.78	2.44	8.50
		13+13+13+13	1.63	1.63	1.63	1.63	6.50	2.60	7.20	1.30	0.55	1.90	5.83	2.44	8.50
		13+13+13+18	1.47	1.47	1.47	2.10	6.50	2.60	7.20	1.30	0.55	1.90	5.83	2.44	8.50
		13+13+13+20	1.38	1.38	1.38	2.36	6.50	2.60	7.20	1.30	0.55	1.90	5.83	2.44	8.50
		13+13+13+24	1.29	1.29	1.29	2.62	6.50	2.60	7.20	1.29	0.55	1.90	5.78	2.44	8.50
		13+13+18+18	1.34	1.34	1.91	1.91	6.50	2.60	7.20	1.30	0.55	1.90	5.83	2.44	8.50

CAPACITY

Inverter Multi Split System MXY Series *(for HDB flats with current limitation 8.5A & 11A)*

Outdoor Unit	Indoor Unit combination		Capacity of each indoor unit (kW)				Total capacity (kW)			Total power input (kW)			Total running current (A)		
	(A + B)		A	B	C	D	Nominal Rating	Min.	Max.	Nominal Rating	Min.	Max.	Nominal Rating	Min.	Max.
MXY-4H38VG (11 A)	1 Room	10	2.80	-	-	-	2.80	1.40	3.80	0.62	0.43	0.90	2.75	1.91	3.99
		13	3.50	-	-	-	3.50	1.40	4.30	0.81	0.43	1.00	3.59	1.91	4.44
		18	5.00	-	-	-	5.00	1.60	5.80	1.23	0.47	1.73	5.46	2.09	7.68
		20	6.00	-	-	-	6.00	1.60	6.70	1.72	0.47	2.20	7.63	2.09	9.76
		24	7.00	-	-	-	7.00	1.60	7.00	2.45	0.47	2.48	10.87	2.09	11.00
	2 Room	10+10	2.80	2.80	-	-	5.60	2.00	7.50	1.46	0.59	2.48	6.48	2.60	11.00
		10+13	2.80	3.50	-	-	6.30	2.00	8.20	1.81	0.59	2.48	8.03	2.60	11.00
		10+18	2.51	4.49	-	-	7.00	2.00	8.90	2.13	0.59	2.48	9.45	2.60	11.00
		10+20	2.23	4.77	-	-	7.00	2.00	8.90	2.08	0.59	2.48	9.23	2.60	11.00
		10+24	1.98	5.02	-	-	7.00	2.00	9.00	2.03	0.59	2.48	9.01	2.60	11.00
		13+13	3.50	3.50	-	-	7.00	2.00	8.80	2.16	0.59	2.48	9.58	2.60	11.00
		13+18	2.88	4.12	-	-	7.00	2.00	8.90	2.10	0.59	2.48	9.32	2.60	11.00
		13+20	2.58	4.42	-	-	7.00	2.00	9.00	2.05	0.59	2.48	9.09	2.60	11.00
		13+24	2.31	4.69	-	-	7.00	2.00	9.10	2.01	0.59	2.48	8.92	2.60	11.00
		18+18	3.50	3.50	-	-	7.00	2.00	9.00	2.03	0.59	2.48	9.01	2.60	11.00
		18+20	3.18	3.82	-	-	7.00	2.10	9.10	1.99	0.59	2.48	8.83	2.60	11.00
		18+24	2.89	4.11	-	-	7.00	2.10	9.20	1.95	0.59	2.48	8.65	2.60	11.00
		20+20	3.50	3.50	-	-	7.00	2.10	9.20	1.95	0.59	2.48	8.65	2.60	11.00
		20+24	3.21	3.79	-	-	7.00	2.10	9.20	1.95	0.59	2.48	8.65	2.60	11.00
	3 Room	10+10+10	2.53	2.53	2.53	-	7.60	2.50	8.60	1.78	0.59	2.48	7.90	2.60	11.00
		10+10+13	2.34	2.34	2.92	-	7.60	2.50	8.70	1.76	0.59	2.48	7.81	2.60	11.00
		10+10+18	2.01	2.01	3.58	-	7.60	2.50	8.80	1.73	0.59	2.48	7.68	2.60	11.00
		10+10+20	1.83	1.83	3.93	-	7.60	2.50	8.80	1.72	0.59	2.48	7.63	2.60	11.00
		10+10+24	1.68	1.68	4.25	-	7.60	2.50	8.80	1.72	0.59	2.48	7.63	2.60	11.00
		10+13+13	2.17	2.71	2.71	-	7.60	2.50	8.70	1.75	0.59	2.48	7.76	2.60	11.00
		10+13+18	1.88	2.35	3.36	-	7.60	2.50	8.80	1.72	0.59	2.48	7.63	2.60	11.00
		10+13+20	1.73	2.16	3.71	-	7.60	2.50	8.80	1.72	0.59	2.48	7.63	2.60	11.00
		10+13+24	1.59	1.99	4.03	-	7.60	2.50	8.90	1.71	0.59	2.48	7.59	2.60	11.00
		10+18+18	1.66	2.97	2.97	-	7.60	2.50	8.90	1.71	0.59	2.48	7.59	2.60	11.00
		10+18+20	1.54	2.75	3.30	-	7.60	2.50	8.90	1.71	0.59	2.48	7.59	2.60	11.00
		10+18+24	1.43	2.55	3.62	-	7.60	2.50	8.90	1.70	0.59	2.48	7.54	2.60	11.00
		10+20+20	1.44	3.08	3.08	-	7.60	2.50	8.90	1.70	0.59	2.48	7.54	2.60	11.00
		13+13+13	2.53	2.53	2.53	-	7.60	2.50	8.80	1.73	0.59	2.48	7.68	2.60	11.00
		13+13+18	2.22	2.22	3.17	-	7.60	2.50	8.80	1.72	0.59	2.48	7.63	2.60	11.00
		13+13+20	2.05	2.05	3.51	-	7.60	2.50	8.90	1.71	0.59	2.48	7.59	2.60	11.00
		13+13+24	1.89	1.89	3.83	-	7.60	2.50	8.90	1.71	0.59	2.48	7.59	2.60	11.00
		13+18+18	1.97	2.81	2.81	-	7.60	2.50	8.90	1.71	0.59	2.48	7.59	2.60	11.00
		13+18+20	1.83	2.62	3.14	-	7.60	2.50	8.90	1.70	0.59	2.48	7.54	2.60	11.00
		13+18+24	1.71	2.44	3.46	-	7.60	2.50	8.90	1.68	0.59	2.48	7.45	2.60	11.00
		13+20+20	1.72	2.94	2.94	-	7.60	2.50	8.90	1.69	0.59	2.48	7.50	2.60	11.00
		18+18+18	2.53	2.53	2.53	-	7.60	2.50	8.90	1.70	0.59	2.48	7.54	2.60	11.00
		18+18+20	2.38	2.38	2.85	-	7.60	2.50	8.90	1.67	0.59	2.48	7.41	2.60	11.00
		18+18+24	2.22	2.22	3.16	-	7.60	2.50	9.00	1.64	0.59	2.48	7.28	2.60	11.00
		18+20+20	2.24	2.68	2.68	-	7.60	2.50	9.00	1.65	0.59	2.48	7.32	2.60	11.00
	4 Room	10+10+10+10	1.90	1.90	1.90	1.90	7.60	3.00	9.10	1.40	0.59	2.48	6.21	2.60	11.00
		10+10+10+13	1.79	1.79	1.79	2.24	7.60	3.00	9.10	1.40	0.59	2.48	6.21	2.60	11.00
		10+10+10+18	1.59	1.59	1.59	2.84	7.60	3.00	9.20	1.39	0.59	2.48	6.17	2.60	11.00
		10+10+10+20	1.48	1.48	1.48	3.17	7.60	3.00	9.20	1.39	0.59	2.48	6.17	2.60	11.00
		10+10+10+24	1.37	1.37	1.37	3.48	7.60	3.00	9.20	1.39	0.59	2.48	6.17	2.60	11.00
		10+10+13+13	1.69	1.69	2.11	2.11	7.60	3.00	9.20	1.40	0.59	2.48	6.21	2.60	11.00
		10+10+13+18	1.51	1.51	1.89	2.70	7.60	3.00	9.20	1.39	0.59	2.48	6.17	2.60	11.00
		10+10+13+20	1.41	1.41	1.76	3.02	7.60	3.00	9.20	1.39	0.59	2.48	6.17	2.60	11.00
		10+10+13+24	1.31	1.31	1.64	3.33	7.60	3.00	9.20	1.39	0.59	2.48	6.17	2.60	11.00
		10+10+18+18	1.36	1.36	2.44	2.44	7.60	3.00	9.20	1.39	0.59	2.48	6.17	2.60	11.00
		10+10+18+20	1.28	1.28	2.29	2.75	7.60	3.00	9.20	1.39	0.59	2.48	6.17	2.60	11.00
		10+10+20+20	1.27	1.27	2.73	2.73	8.00	3.00	9.20	1.62	0.59	2.48	7.19	2.60	11.00
		10+13+13+13	1.60	2.00	2.00	2.00	7.60	3.00	9.20	1.39	0.59	2.48	6.17	2.60	11.00
		10+13+13+18	1.44	1.80	1.80	2.57	7.60	3.00	9.20	1.39	0.59	2.48	6.17	2.60	11.00
		10+13+13+20	1.35	1.68	1.68	2.89	7.60	3.00	9.20	1.39	0.59	2.48	6.17	2.60	11.00
		10+13+13+24	1.26	1.57	1.57	3.19	7.60	3.00	9.20	1.39	0.59	2.48	6.17	2.60	11.00
		10+13+18+18	1.31	1.63	2.33	2.33	7.60	3.00	9.20	1.39	0.59	2.48	6.17	2.60	11.00
		10+13+18+20	1.23	1.54	2.20	2.64	7.60	3.00	9.20	1.38	0.59	2.48	6.12	2.60	11.00
		13+13+13+13	1.90	1.90	1.90	1.90	7.60	3.00	9.20	1.39	0.59	2.48	6.17	2.60	11.00
		13+13+13+18	1.72	1.72	1.72	2.45	7.60	3.00	9.20	1.39	0.59	2.48	6.17	2.60	11.00
		13+13+13+20	1.61	1.61	1.61	2.76	7.60	3.00	9.20	1.39	0.59	2.48	6.17	2.60	11.00
		13+13+13+24	1.51	1.51	1.51	3.07	7.60	3.00	9.20	1.38	0.59	2.48	6.12	2.60	11.00
		13+13+18+18	1.56	1.56	2.24	2.24	7.60	3.00	9.20	1.39	0.59	2.48	6.17	2.60	11.00
MXY-2H20VF (8.5A)	1 Room	10	2.80	-	-	-	2.80	1.40	3.80	0.60	0.25	0.84	3.22	1.34	4.51
		13	3.50	-	-	-	3.50	1.40	4.30	0.79	0.25	1.05	4.24	1.34	5.64
		18	4.50	-	-	-	4.50	1.50	5.00	1.20	0.26	1.58	6.44	1.40	8.50
		20	4.50	-	-	-	4.50	1.60	5.50	1.18	0.27	1.58	6.33	1.45	8.50
	2 Room	10+10	2.00	2.00	-	-	4.00	1.50	5.60	0.81	0.32	1.58	4.35	1.72	8.50
		10+13	1.82	2.28	-	-	4.10	1.50	5.70	0.82	0.33	1.58	4.40	1.77	8.50
		10+18	1.47	2.63	-	-	4.10	1.60	5.70	0.83	0.33	1.58	4.46	1.77	8.50
		10+20	1.34	2.86	-	-	4.20	1.60	5.80	0.84	0.34	1.58	4.51	1.83	8.50
		13+13	2.05	2.05	-	-	4.10	1.50	5.70	0.83	0.33	1.58	4.46	1.77	8.50
		13+18	1.73	2.47	-	-	4.20	1.60	5.80	0.84	0.34	1.58	4.51	1.83	8.50
		13+20	1.66	2.84	-	-	4.50	1.70	5.80	0.91	0.34	1.58	4.88	1.83	8.50

*Total Indoor Running current must not exceed 3Amps when connecting with PEY-M Series

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The best quality you can rely on.

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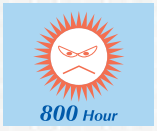

Line test


Sound test


Performance test



Endurance test



Heat stress test



Saltwater spray rust test



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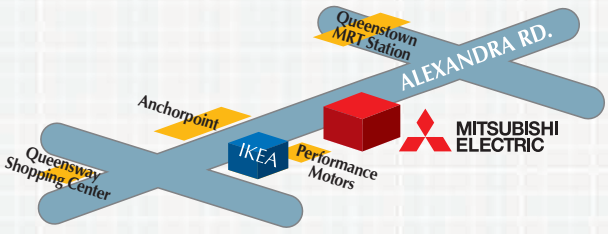
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New publication effective Sep 2026
Specifications subject to change without notice. Due to printing consideration, the actual colors may vary slightly from those shown inside brochure.
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