MITSUBISHI ELECTRIC

Heat Pump Catalogue

Quietly Superior Heat Pumps

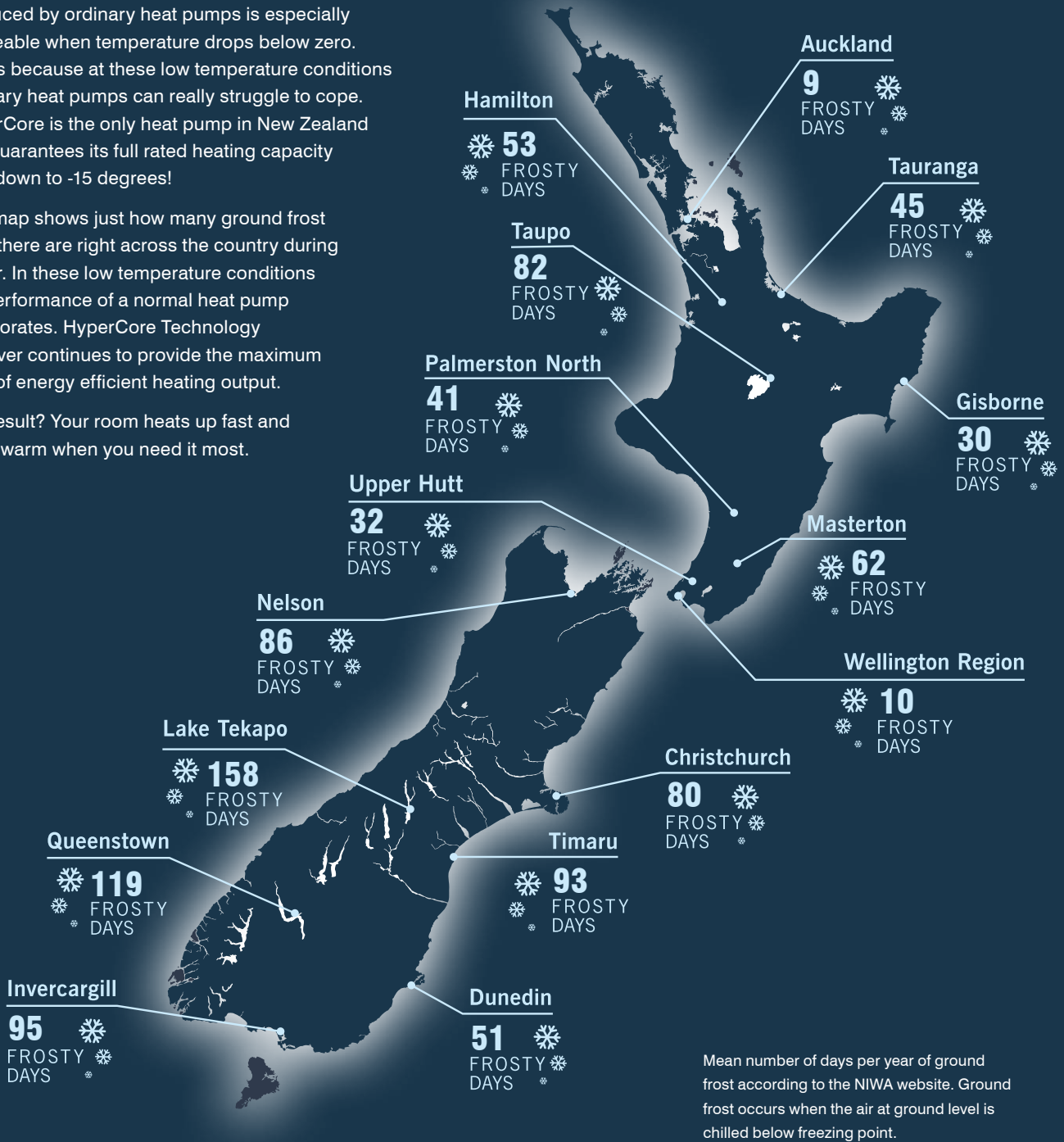
Superior Performance Made for New Zealand Conditions

THIS IS HYPERCORE® COUNTRY

Did you know ordinary heat pumps start to produce less heat below 7 degrees? The reduction in heat produced by ordinary heat pumps is especially noticeable when temperature drops below zero. This is because at these low temperature conditions ordinary heat pumps can really struggle to cope. HyperCore is the only heat pump in New Zealand that guarantees its full rated heating capacity right down to -15 degrees!

This map shows just how many ground frost days there are right across the country during winter. In these low temperature conditions the performance of a normal heat pump deteriorates. HyperCore Technology however continues to provide the maximum level of energy efficient heating output.

The result? Your room heats up fast and stays warm when you need it most.



Mean number of days per year of ground frost according to the NIWA website. Ground frost occurs when the air at ground level is chilled below freezing point.

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There's a lot to consider when choosing heating for your home and many factors that may help you decide. Heat pumps are endorsed by government agencies and consumer advocacy groups as one of the most efficient forms of heating available. They also offer features other heating options cannot, like dehumidifying, air filtration, safety and ease of use.

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If you're wanting total home comfort to heat or cool multiple rooms, then these heat pump systems will cater to your needs. Options range from Multi Room Systems (one outdoor heat pump running multiple indoor units) to discreet Ducted Systems.

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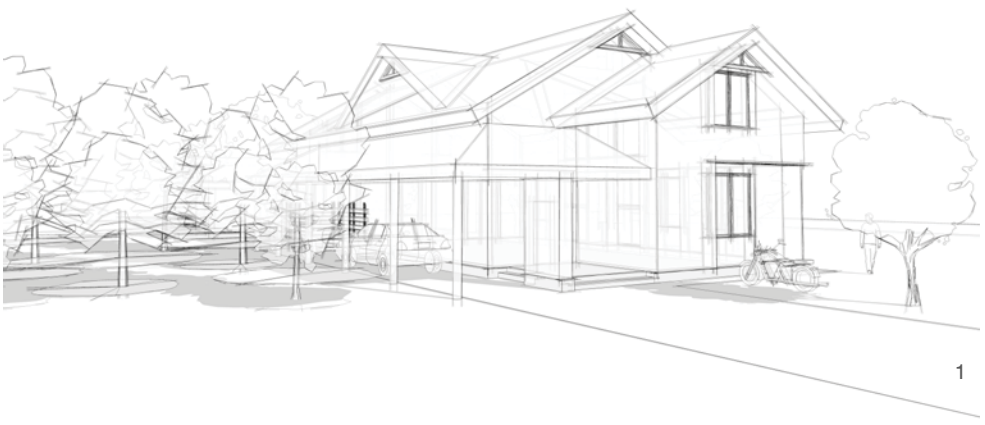


Why Choose a Heat Pump?

The Unique Benefits of Heat Pumps

When heating your home there are many factors to consider especially ongoing running costs, the ease of use and ultimately, your comfort. Heat pumps are endorsed by government agencies and consumer advocacy groups alike, because heat pumps are known to be one of the most efficient forms of heating available. In addition, they offer higher comfort levels and advanced features that many other heating appliances simply cannot provide.

Energy Efficiency

Heat pumps offer the highest levels of energy efficiency with the ability to provide more heat energy than they consume, compared to other heating appliances.

Precise Temperature Control

Heat pumps allow you to set the desired room temperature to the exact degree, whereas other appliances may continue to heat past the ideal temperature; resulting in an uncomfortably hot room. Timer options provide the freedom to operate the heat pump in harmony with your daily schedule.

Cooling in Summer

Heat pumps ensure your comfort all year round. With the push of a button they can be switched to Cooling Mode, keeping the home nice and cool during those long hot summer days and nights.

Safety

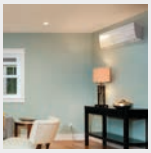
Heat pumps are the safest heating option if you have children and pets as there are no hot surfaces.

Lowest Running Costs

The more energy efficient a heating system is, the cheaper it is to run. Heat pumps offer the cheapest kW/h heating cost available.

Convenient Comfort

Heat pumps move warm air throughout the room, meaning you no longer need to rearrange your furniture around your heat source. Heat pumps also provide comfort at the touch of a button – there are no manual tasks such as cutting and stacking firewood.



Unobtrusive Heating

Heat pumps come in a range of styles. The most popular are high wall mounted models which can be placed discreetly on a wall, saving valuable floor space.

Improved Air Quality

Heat pumps are fitted with filtration and deodorisation systems – perfect for asthma and allergy sufferers.

How do Heat Pumps Work?

Heat pumps do not create heat – they simply move available heat from one place to another. An outdoor unit uses electricity to absorb warmth from the surrounding air and then transfers that recovered warmth into your home. As outside temperatures drop, your heat pump must work harder to transfer the same amount of heat. As New Zealand's best performing heat pumps in the cold*, we provide superior heating in the most efficient form available.

Winter – Heating

Summer – Cooling

* Mitsubishi Electric HyperCore® Technology.

The Mitsubishi Electric Advantage

Why Choose Mitsubishi Electric?

While all heat pumps offer benefits over other heating options, Mitsubishi Electric Heat Pumps have a distinct advantage. Why? Because while most heat pumps are designed to cool, ours start with heating in mind. Mitsubishi Electric Heat Pumps will keep you cool in the summer, but with a focus on heating, they excel at what New Zealanders expect them to do; keep you warm throughout the winter.

Heat Pumps Designed to Heat

When it gets cold outside, a heat pump that is designed to cool needs to work overtime to produce heat and as such its performance is reduced.

A heat pump that is designed for cooling can disappoint when you need it most – when the temperature drops. Mitsubishi Electric Heat Pumps are designed for New Zealand homes and therefore designed predominantly to heat. The result is year-round reliability and performance.

Intelligent Defrost

All of our heat pumps are fitted with intelligent defrost technology to ensure that you get the best performance out of your heat pump when it gets cold.

When the temperature drops below zero, all heat pumps have to perform a “defrost cycle” to remove ice build up on the outdoor coils. This can result in your heat pump temporarily stopping operation or blowing out cooler air.

Mitsubishi Electric has developed advanced intelligent defrost using Fuzzy Logic to learn, measure and record temperatures and running times. This data is then used to ensure defrost cycles are as fast, efficient and as far apart as possible.

EcoCore – the New Standard in Next Generation Energy Efficiency

Our residential heat pump range has now been extended to include a wide range of models that feature EcoCore Technology. The range incorporates a new large, high-density heat exchanger, an advanced high-efficiency fan motor and a next generation inverter compressor that uses the latest super-efficient and more environmentally friendly R32 refrigerant.

With an eye towards a green tomorrow, Mitsubishi Electric have incorporated R32 refrigerant into the EcoCore Series Heat Pumps. This move towards a more environmentally friendly refrigerant reduces the global warming potential (GWP) by two thirds in comparison to previous R410A refrigerant and with better thermal dynamic properties than R410A, provides increased energy efficiency.

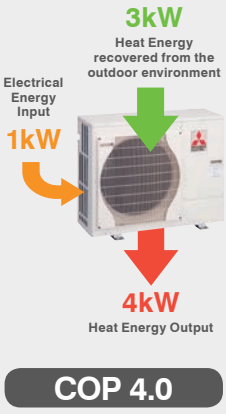
ECOCORE®

Measuring Energy Efficiency

Energy efficiency is measured for every heat pump with a standardised COP and EER rating.

These calculated measurements of energy efficiency measure both heating and cooling using the ratio of kW input to kW output, known as the Coefficient of Performance (COP) for heating, and Energy Efficiency Ratio (EER) for cooling.

The higher the number, the more efficient a heat pump is. In the example pictured the COP would be 4.0.*



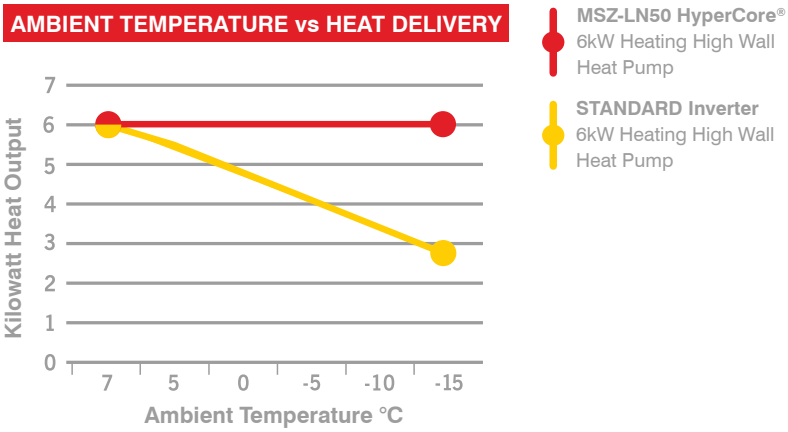
* Representation only, actual COP can vary depending on different ambient contions.

Guaranteed Heating, Even on the Coldest Days

Did you know ordinary heat pumps start to produce less heat below 7 degrees? The reduction in heat produced by ordinary heat pumps is especially noticeable when temperature drops below zero. This is because at these low temperature conditions ordinary heat pumps can really struggle to cope. HyperCore is the only heat pump in New Zealand that guarantees its full rated heating capacity right down to -15 degrees!

Guaranteed Full Rated Heating Capacity

Mitsubishi Electric HyperCore Technology is specifically designed to ensure its full rated capacity is produced, on all those cold frosty days. In fact, it is the only heat pump in New Zealand that guarantees its full rated heating capacity right down to -15 degrees! It's our guarantee that no matter where you live, if you experience frosty winter days, it will give you peace of mind that you will get all the heat you paid for whilst feeling the warmth when it matters most.



As the graph (above) shows, even though both heat pumps are rated to provide 6kW of heat, their performance differs greatly as the temperature drops. While the standard heat pump produces less heat, the HyperCore LN50 model continues to deliver the full 6kW you paid for. The result? Your room heats up fast and stays warm when you need it most.

Advanced Defrost Logic

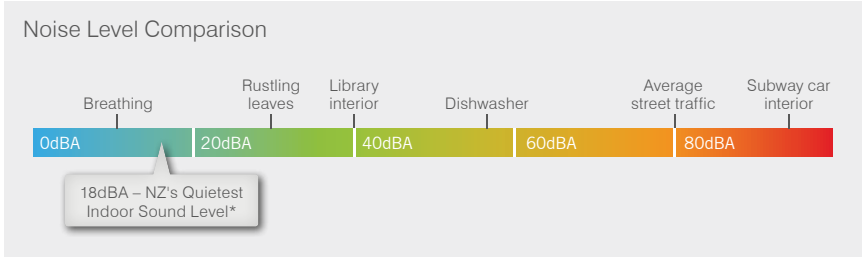
When temperatures drop below zero degrees, ice will build up on the outdoor unit of any heat pump. How the heat pump reacts to this determines how effective it will be in providing heat to your home. To remove the ice build up the heat pump will need to go into Defrost Mode. During this time the heat pump will not be delivering heat into your home. HyperCore's Defrost Logic has been fine-tuned to extend the period in between defrost periods and optimise its heating performance.

HYPERCORE®

Class Leading Quietness

Quietness on All Fan Speeds

Some manufacturers are happy for their heat pumps to operate quietly only on their lowest fan setting. Our heat pumps are designed to work differently, giving you quietly superior comfort on all fan speeds.



How are Mitsubishi Electric Heat Pumps Quieter?

Our quest for quietness begins at factory level. Our heat pumps are subjected to rigorous testing at our confidential sound testing facility, with sound ratings then independently certified.

The Secret to Quietness

Fan Design

Our larger fan diameter enables the motor to run at a slower speed while maintaining the same air volume. Smaller fans have to spin faster to move more air, creating more noise as air passes over the fan tips.

Coil Design

The larger surface area of our coils enables the indoor unit to maintain a higher temperature. As a result, less air needs to be passed across the coil to achieve the same indoor temperature; less air means less noise.

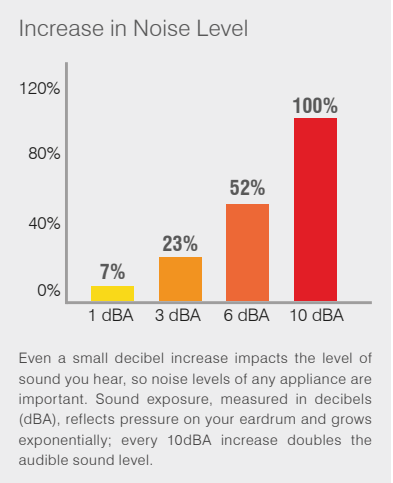
Airflow

Our larger air inlet duct allows air to flow freely, reducing noise as it leaves the heat pump. Think of whistling; it is pretty hard to whistle when your mouth is open wide – the same principle applies here.

Indoor Unit

Our indoor unit casing has been designed to be robust, ensuring minimal noise is created when operating, i.e. no rattling or shaking.

Mitsubishi Electric consistently produces heat pumps which are not only feature-rich and efficient, but also very, very quiet. We recognise that noise affects comfort, so we constantly work to ensure our heat pumps are as quiet as possible. Starting from just 18dBA*, our High Wall indoor units are unrivalled for quietness – because we want you to feel the warmth, not hear it!



Even a small decibel increase impacts the level of sound you hear, so noise levels of any appliance are important. Sound exposure, measured in decibels (dBA), reflects pressure on your eardrum and grows exponentially; every 10dBA increase doubles the audible sound level.

from 18dBA*

* MSZ-AP25 indoor sound level on lowest fan speed in Heating Mode.

Mitsubishi Electric Wi-Fi Control

Wi-Fi Control gives you the freedom to manage your heat pump(s) through your smart phone, tablet or online account, no matter where you are. On the way home, running late, coming home early, or even when you're in a different country, Wi-Fi Control offers innovative real time management to suit your lifestyle. Now you'll always arrive home to total comfort regardless of what New Zealand's unpredictable weather is doing outside!

Wi-Fi CONTROL

Not Just for When You're Away

Mitsubishi Electric Wi-Fi Control offers more than being able to simply pre-heat or pre-cool rooms before you arrive home. Wi-Fi Control opens up a new world of truly personalised comfort. Effectively replacing your traditional heat pump remote, Wi-Fi Control gives you the freedom to manage your home environment regardless of where you are.

A Perfect Night's Sleep

Now you can continue to monitor and control your heat pump from the comfort of your couch. Off to the bedroom in half an hour but not sure how cold it is? Wi-Fi Control tells you the actual bedroom temperature so you can pre-heat or pre-cool your bedroom remotely for a perfect night's sleep.

Be Smart, Be Efficient

Forgot to turn off your heat pump? Heat pumps mistakenly left running can be quickly identified at a glance and simply turned off, no matter where you are.

A Warm Wake-Up on Frosty Mornings

Wi-Fi Control is also great for pre-heating your living room before you have to get up in the morning. It will make those early frosty morning starts just that little bit easier to face.

Intelligent Central Control

Mitsubishi Electric Wi-Fi Control is not limited to only managing one heat pump at a time. It truly is an intelligent multitasker. With the purchase of additional interfaces, multiple indoor units can now be seamlessly monitored and controlled. Simple yet effective centralised control at your fingertips.

Multiple Locations, One App

Mitsubishi Electric Wi-Fi Control gives you the ability to control the heating and cooling needs of multiple units not just in the same home or building, but across a number of different locations. Your home, a holiday home and the office – it can all be controlled and customised through one app. Furthermore, you can now Group Control multiple units all at once for consistent comfort.

Wi-Fi CONTROL

Advanced Temperature Management with Rule Setting

Because Wi-Fi Control reflects the real-time room temperature at any time, the unique rule setting functionality allows you to customise a minimum and maximum temperature range. The result – the perfect temperature is maintained for total comfort all night long.

Set Room Temperature Limits

Wi-Fi Control is ideal for families with children. Imagine no longer needing to physically walk down to each individual bedroom to check the temperature and turn a heat pump on or off using the handheld remotes, potentially interrupting the sleep of children. Simply apply a min./max. temperature rule and let Wi-Fi Control do the rest.

Optimised Energy Saving with Ducted Systems

When connected to a compatible Mitsubishi Electric Ducted System complete with optional Mitsubishi Electric Zone Control, Wi-Fi Control unlocks expanded functionality and interaction to deliver the very best in advanced energy optimisation. Now you can control and monitor which areas/zones your ducted heat pump is controlling in real time from absolutely anywhere. Meanwhile, overall energy savings can be optimised at the touch of a button to ensure heat energy is directed only to where it is needed most.

You can edit an existing rule or create a new one.

Zone Control integration for Ducted Systems.

Now Voice Control Compatible*

Whether as an optional upgrade or built-in, Mitsubishi Electric Wi-Fi Control is now Amazon Alexa and Google Home enabled.

Take your comfort to the next level and enjoy hands-free heat pump control.

Cooking dinner or playing with the kids? Now you can control your heat pump without the need to lift a finger, allowing you to focus on the more important things.

works with the Google Assistant

amazon alexa ENABLED

* For voice control you will need a Smart Speaker/Display/Assistant compatible with Amazon Alexa or Google Home.

EcoCore GL Series

The EcoCore High Wall Heat Pump Range sets a new standard in super energy efficient heating and cooling. Next generation EcoCore Technology is designed to use less power than ever before, and because they are very quiet, they are ideal where it matters most – in living rooms and bedrooms!

Next Generation EcoCore Technology

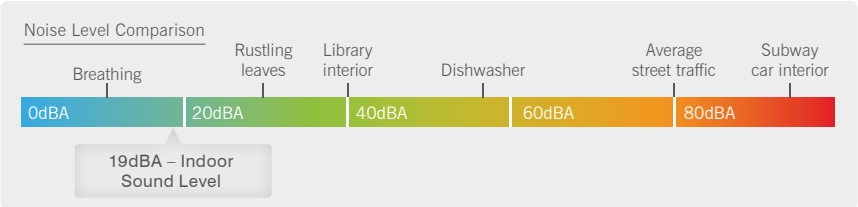
Superior energy efficiency is achieved by incorporating a large, high-density heat exchanger, an advanced high-efficiency fan motor and a next generation compressor using the latest super efficient R32 refrigerant.

With an eye towards a green tomorrow, Mitsubishi Electric have incorporated R32 refrigerant into the EcoCore Series Heat Pumps.

This move towards a more environmentally friendly refrigerant reduces the global warming potential (GWP) by two thirds in comparison to previous R410A and with better thermal dynamic properties than R410A, provides increased energy efficiency.

Whisper Quiet Operation

Starting from barely a whisper, our energy efficient EcoCore Heat Pump Series ensures you only feel the warmth, not hear it. The GL25/35 indoor units start at a hushed 19dBA on their lowest fan speed in heating mode.



Advanced Filtration

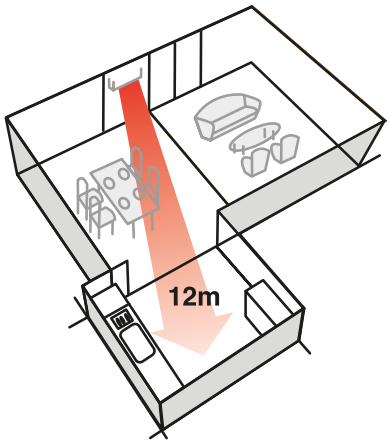
The EcoCore Series is equipped with a standard air filter and an Anti-Allergy Enzyme Filter. This washable air cleaning filter traps harmful particles such as dust, pollen and other airborne contaminants that can cause allergic reactions.

Furthermore, the filter itself is infused with an artificial Enzyme Catalyst that helps break down harmful microbes such as bacteria, mould and dust mites.

Wide and Long Airflow*

The Wide Airflow Mode enables the airflow direction to be adjusted from left to right and is ideal for open plan environments ensuring every corner of the room is comfortable.

The Long Airflow Mode extends airflow by up to 12m to reach even the furthest point of open plan or larger living spaces. These modes are simply activated at the touch of a button on your remote controller.



7-Day Programmable Controller

All EcoCore Heat Pumps come standard with a 7-Day Controller, so you can customise your heating and cooling needs to your lifestyle with as much energy efficiency as possible.

Optional Wi-Fi Control! Never Return to a Cold Home Again

With optional Wi-Fi Control you can pre-heat or cool a room no matter where you are. On the way home, running late, coming home early, or even when you're in a different country, with Wi-Fi Control you'll always arrive home to total comfort.

And because our Wi-Fi Control is now also Amazon Alexa and Google Home enabled, you can take your comfort to the next level and enjoy hands-free heat pump control.

You can find out more about Wi-Fi and Voice Control on pages 6–7.

Dimensions (WxDxH): 799 x 232 x 290mm

MSZ-GL25VGD
Heating Capacity: 3.2 kW | Cooling Capacity: 2.5 kW

MSZ-GL35VGD
Heating Capacity: 3.7 kW | Cooling Capacity: 3.5 kW

MSZ-GL42VGD
Heating Capacity: 5.4 kW | Cooling Capacity: 4.2 kW

Dimensions (WxDxH): 923 x 250 x 305mm

MSZ-GL50VGD
Heating Capacity: 5.8 kW | Cooling Capacity: 4.8 kW

MSZ-GL60VGD
Heating Capacity: 6.8 kW | Cooling Capacity: 6.0 kW

Dimensions (WxDxH): 1100 x 238 x 325mm

MSZ-GL71VGD
Heating Capacity: 8.0 kW | Cooling Capacity: 7.1 kW

MSZ-GL80VGD
Heating Capacity: 9.0 kW | Cooling Capacity: 7.8 kW

OPTIONAL Wi-Fi CONTROL

EcoCore GL Series Features

- Next Generation Energy Efficient Compressor
- Large High Density Heat Exchanger
- Whisper Quiet Operation
- Washable Anti-Allergy Enzyme Filter
- i-Save Mode
- Blue Fin Outdoor Coil Protection
- Wide and Long Airflow*
- 1 Watt Low Standby Power
- 7-Day Programmable Controller
- Optional Wi-Fi Control

* GL71/80 models only.

EcoCore AP Series

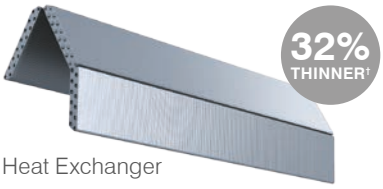
The EcoCore AP Series High Wall Heat Pumps set a new standard in super energy efficient heating. Next generation EcoCore Technology is designed to use less power than ever before. And starting at just 18dBA*, it's NZ's quietest – ideal for living rooms and bedrooms!

New Zealand's Quietest Heat Pump!*

Starting at an incredibly quiet 18dBA on its lowest fan speed, the AP25 indoor unit is New Zealand's quietest high wall heat pump ever. It is ideal where quietness matters most, in bedrooms even on the coldest of winter nights.

Furthermore, the addition of Night Mode means the outdoor operating noise level drops by a further 3dBA – for the perfect night's sleep.

18dBA AP25*



Heat Exchanger

Fan Coil

The Secret to Quietness

By making the heat exchanger 32% thinner†, and designing the fan coil to be 22% larger†, in comparison to previous models, pressure loss across the heat exchanger is minimised and air can now be moved across a larger fan surface. Add to this a new aerodynamically designed fan coil, and a new level of quietness has been achieved!

Dual Barrier Coating Maximises Efficient Performance

The patented and world's first Dual Barrier Coating from Mitsubishi Electric prevents dust and dirt from accumulating on the inner surface of the indoor unit; keeping your heat pump clean year-round.

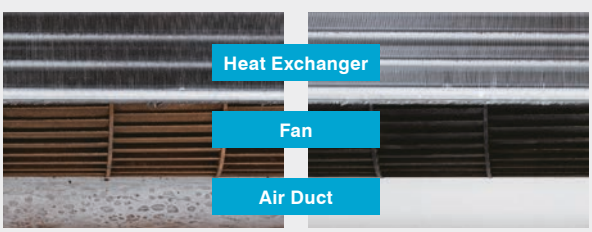
Keeping key internal components like the heat exchanger, fan and internal duct clean is important for both home comfort and efficiency. Not only does dust and dirt build-up typically create unpleasant odours, it also forces a heat pump to work harder, which can result in significantly impaired energy efficiency.

Dual Barrier Coating prevents dust and oil build-up on the interior of the heat pump for the ultimate in peace of mind, ease and comfort.

Dual Barrier Coating

Comparison of dirt on heat exchanger, fan and air duct.

(Factory simulated in-house comparison.)



No Dual Barrier Coating (after 10 years) | With Dual Barrier Coating

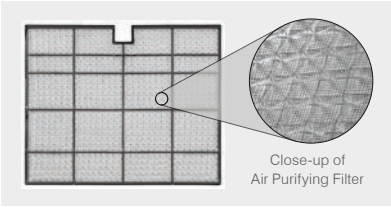
* AP25 indoor sound level on lowest fan setting in Heating Mode.
† Compared to MSZ-GL Series.

Next Generation R32 EcoCore Technology

Superior energy efficiency is achieved by incorporating a large, high-density heat exchanger, an advanced high-efficiency fan motor and a next generation compressor using the latest in super efficient R32 refrigerant.

Washable Air Purifying Filter

The EcoCore AP Series is equipped with an Air Purifying Filter. This washable filter traps particles such as dust, pollen and other airborne contaminants, generating stable antibacterial and deodorising effects. The size of the three-dimensional surface has been increased from previous models, enlarging the filter capture area. These features give the Air Purifying Filter better dust collection performance than conventional filters.



Close-up of Air Purifying Filter

Horizontal Airflow

The EcoCore AP Series eliminates uncomfortable draughts with Horizontal Airflow in Cooling Mode, by first spreading airflow evenly across the ceiling.

Wide and Long Airflow*

The Wide Airflow Mode enables airflow direction to be adjusted from left to right, ideal for open plan environments – ensuring every corner of the room is comfortable. The Long Airflow Mode extends airflow by up to 12m to reach even the furthest point of open plan or larger living spaces. These modes are simply activated at the touch of a button on your remote controller.

Wi-Fi Control Built-in! Never Return to a Cold Home Again

With built-in Wi-Fi Control you can pre-heat or cool a room no matter where you are. On the way home, running late, coming home early, or even when you're in a different country, with Wi-Fi Control you'll always arrive home to total comfort.

And because our Wi-Fi Control is now also Amazon Alexa and Google Home enabled, you can take your comfort to the next level and enjoy hands-free heat pump control.

You can find out more about Wi-Fi and Voice Control on pages 6–7.

Dimensions (WxDxH): 798 x 219 x 299mm

MSZ-AP25VG
Heating Capacity: 3.2 kW | Cooling Capacity: 2.5 kW

MSZ-AP35VG
Heating Capacity: 3.7 kW | Cooling Capacity: 3.5 kW

MSZ-AP42VG
Heating Capacity: 5.4 kW | Cooling Capacity: 4.2 kW

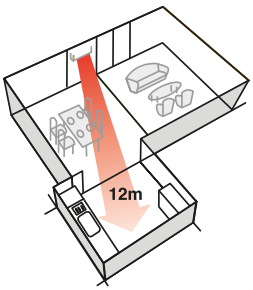
MSZ-AP50VG
Heating Capacity: 6.0 kW | Cooling Capacity: 5.0 kW

Dimensions (WxDxH): 1100 x 257 x 325mm

MSZ-AP60VG
Heating Capacity: 6.8 kW | Cooling Capacity: 6.0 kW

MSZ-AP71VG
Heating Capacity: 8.0 kW | Cooling Capacity: 7.1 kW

MSZ-AP80VG
Heating Capacity: 9.0 kW | Cooling Capacity: 7.8 kW



BUILT-IN Wi-Fi CONTROL

EcoCore AP Series Features

- 18dBA† NZ's Quietest Heat Pump
- Econo Cool
- Washable Air Purifying Filter
- Dual Barrier Coating
- 7-Day Programmable Controller
- Auto Vane Control
- Horizontal Airflow
- Wide and Long Air Flow (AP60/71/80)
- i-Save Mode
- Next Generation Energy Efficient Compressor
- Night Mode
- Blue Fin Outdoor Coil Protection

* AP60/71/80 models only.
† AP25 indoor sound level on lowest fan setting in Heating Mode.

Designer EF Series

The Designer Series combines exceptional energy efficiency with award-winning aesthetics. The elegant, slimline design is available in a range of colours including Glossy White, Matte Silver or Rich Black Diamond – so you can truly reflect your design personality.

Colours to Match your Design Style

One of the most rewarding aspects of interior design is being able to inject your own design personality through colour selection and accessorising.

The Designer Series High Wall Heat Pump Range from Mitsubishi Electric takes this to the next level. Available in a range of contemporary colours including Glossy White, Matte Silver and Rich Black Diamond – now you can blend in or stand out so you can truly reflect your interior design style.

reddot design award
winner 2015

Red Dot Design Award

The Designer Series, with its contemporary slimline profile, has been awarded the prestigious Red Dot Design Award 2015 in recognition for outstanding design quality.

The international jury only confers this sought-after seal of quality to products that set themselves apart significantly from comparable products thanks to their excellent design.

Advanced Nano Platinum Filter

The extra-large, washable 3D filter surface incorporates nanometre-sized platinum-ceramic particles designed to effectively collect fine dust particles, deodorise the air and eliminate bacteria at the same time. This level of advanced filtration is better at the collection of dust in comparison to conventional filters.

7-Day Programmable Controller

All Designer Series Heat Pumps feature a built-in weekly timer, allowing you to program up to four time and temperature settings for each day of the week. You can now return to comfort without having to manually adjust the temperature. Perfect for anyone with a busy lifestyle, the 7-Day Controller is a great way to regulate your energy usage without compromising on comfort.

Quiet Operation

Designer Series indoor units feature Silent Mode – a fan speed setting that provides quiet operation as low as 21dBA*, so you will feel the warmth, not hear it.

Optional Wi-Fi Control! Never Return to a Cold Home Again

With optional Wi-Fi Control you can pre-heat or cool a room no matter where you are. On the way home, running late, coming home early, or even when you're in a different country, with Wi-Fi Control you'll always arrive home to total comfort.

Now Voice Control Compatible

Our Wi-Fi Heat Pump Control is now also Amazon Alexa and Google Home enabled*, so you can take your comfort to the next level and enjoy hands-free heat pump control.

Cooking dinner or playing with the kids? Now you can control your heat pump without the need to lift a finger, allowing you to focus on the more important things.

You can find out more about Wi-Fi and Voice Control on pages 6–7.

Dimensions (WxDxH): 885 x 195 x 299mm

MSZ-EF25VE2W/B/S
Heating Capacity: 3.2 kW | Cooling Capacity: 2.5 kW

MSZ-EF35VE2W/B/S
Heating Capacity: 4.0 kW | Cooling Capacity: 3.5 kW

MSZ-EF42VE2W/B/S
Heating Capacity: 5.4 kW | Cooling Capacity: 4.2 kW

MSZ-EF50VE2W/B/S
Heating Capacity: 5.8 kW | Cooling Capacity: 5.0 kW

OPTIONAL Wi-Fi CONTROL

* For voice control you will need a Smart Speaker/Display/Assistant compatible with Amazon Alexa or Google Home.

Designer EF Series Features

- Stylish Flat Panel Design
- Red Dot Design Award Winner
- Nano Platinum Filter
- Electrostatic Anti-Allergy Enzyme Filter Optional
- Auto Change Over Function
- 1 Watt Low Standby Power
- Whisper Quiet Operation
- 7-Day Programmable Controller
- Optional Wi-Fi Control

* EF 25/35 indoor sound level on lowest fan setting.

Black Diamond LN Series

The Black Diamond Series sets the new standard in personalised comfort and style. Available in three reflective colours, the range is packed with advanced features including Plasma Quad Plus Filtration ideal for allergy sufferers, the 3D i-See Sensor for customised heating or cooling and Wi-Fi Control is built-in!

Reflect Your Design Personality

Featuring a striking flat panel design, the Black Diamond Series is available in three unique reflective colour finishes – White Diamond, Red Diamond and Black Diamond – that change depending on the light in the room. Now you can make a real interior design style statement with your heat pump colour choice.

Dual Barrier Coating Maximises Efficient Performance

The patented and world's first Dual Barrier Coating from Mitsubishi Electric prevents dust and dirt from accumulating on the inner surface of the indoor unit; keeping your heat pump clean year-round.

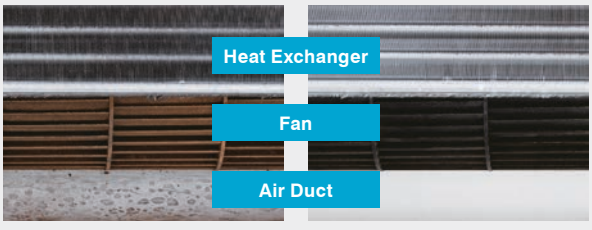
Keeping key internal components like the heat exchanger, fan and internal duct clean is important for both home comfort and efficiency. Not only does dust and dirt build-up typically create unpleasant odours, it also forces a heat pump to work harder, which can result in significantly impaired energy efficiency.

Dual Barrier Coating prevents dust and oil build-up on the interior of the heat pump for the ultimate in peace of mind, ease and comfort.

Dual Barrier Coating

Comparison of dirt on heat exchanger, fan and air duct.

(Factory simulated in-house comparison.)



No Dual Barrier Coating (after 10 years) With Dual Barrier Coating

3D i-See Sensor

The 3D i-See Sensor detects the presence and position of people in the room using thermal heat recognition, adjusting the temperature and airflow pattern for optimal comfort. This helps the Black Diamond Series do more than simply save energy, it also enables a new level of truly personalised comfort to be achieved.

Thermal Scan Technology

The 3D i-See Sensor continually takes a thermal scan of the room, dividing it into 752 three-dimensional zones and measuring the temperature in each zone to detect exactly where people are in a room.

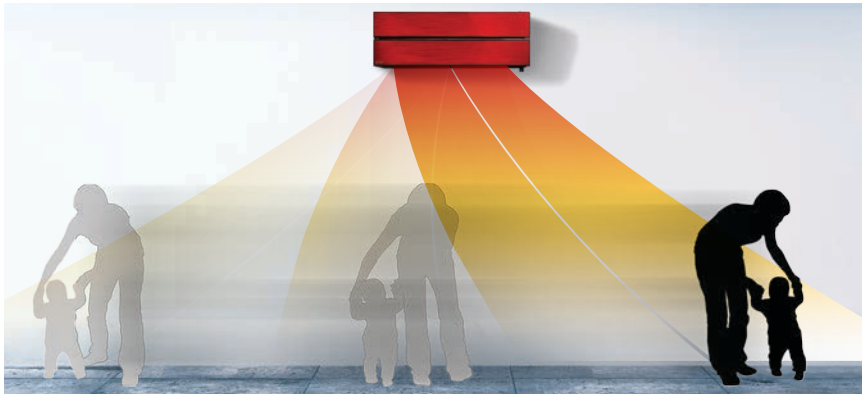
Independently Controlled Dual Split Vane Airflow

Intuitively Adjusts the Airflow Direction to Where it's Needed

The 3D i-See Sensor works in conjunction with the Dual Split Vanes to provide heating or cooling to where it is needed most. As a result, it can save energy by not heating or cooling areas that don't require it. Whether you prefer direct, indirect or evenly distributed airflow, the 3D i-See Sensor and Dual Split Vanes provide the ultimate in customisable airflow.

You'll Never Feel Cold

The 3D i-See Sensor can recognise movement of an individual in a room and subsequently direct the airflow with the Dual Split Vanes; so they continue feeling warm no matter where they have moved to in the room.



You always feel warm and comfortable as the direct heat follows you as you move around the room.

Comfort for All With Multiple Airflow Directions

The 3D i-See Sensor can identify multiple people present in the room and adjust the Dual Split Vanes to direct heating or cooling evenly throughout; so everybody feels comfortable in the room.

Only one person feels direct heat.

Both people feel direct heat and are both comfortable.

Dimensions (WxDxH): 890 x 233 x 307mm

MSZ-LN25VGV/B/R
Heating Capacity: 3.2 kW | Cooling Capacity: 2.5 kW

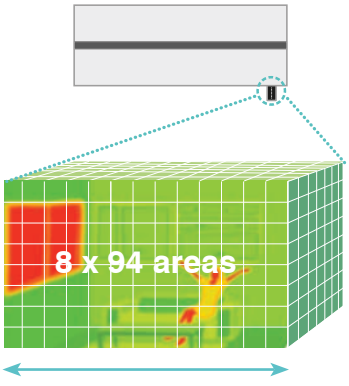
MSZ-LN35VGV/B/R
Heating Capacity: 4.0 kW | Cooling Capacity: 3.5 kW

MSZ-LN50VGV/B/R
Heating Capacity: 6.0 kW | Cooling Capacity: 5.0 kW

MSZ-LN60VGV/B/R
Heating Capacity: 6.8 kW | Cooling Capacity: 6.1 kW

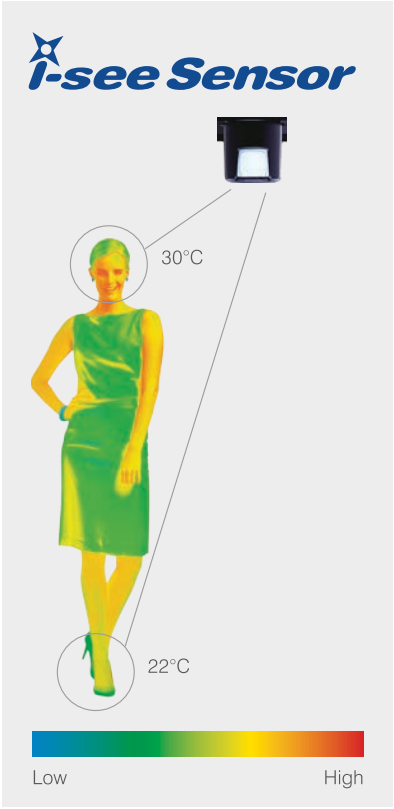
i-see Sensor

8 sensors measure while moving left to right



752 three-dimensional zones

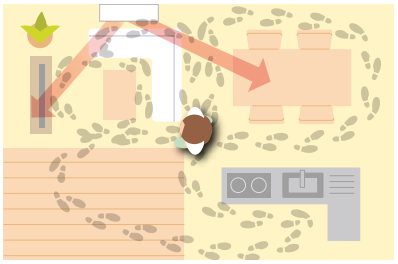
Black Diamond LN Series



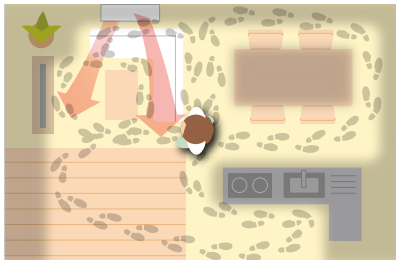
3D i-See Sensor Features

Even Airflow – Airflow Only Where You Need It

With Even Airflow Mode, the 3D i-See Sensor memorises people's movements and furniture positions, efficiently distributing airflow only to where it is needed.



Normal Swing Mode

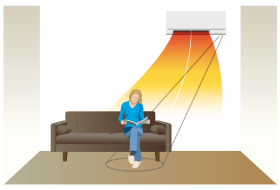


Even Airflow Mode

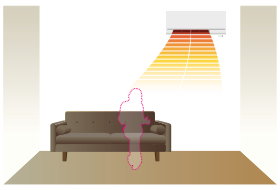
No Occupancy Modes – for Energy Savings

The 3D i-See Sensor detects whether or not there are people in the room, and automatically switches to one of the No Occupancy Modes, as set by the user.

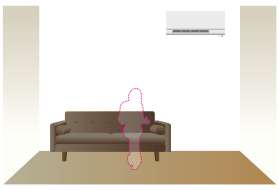
In No Occupancy Energy Saving Mode when no one is in the room, the unit automatically reduces power consumption by approximately 10% after 10 minutes, and 20% after 60 minutes. In No Occupancy Auto-Off Mode, when no one is in the room, the unit turns off automatically.



The 3D i-See Sensor continuously scans the room for occupants.



In Energy Saving Mode – power is reduced when you leave the room.



In Auto-Off Mode – unit switches off when you leave the room.

Superior Energy Efficiency

Black Diamond Series Heat Pumps are some of the most energy efficient heat pumps available in New Zealand. The LN25 model even boasts the maximum 6 star energy rating in heating – which means superior energy efficient performance all winter long. This high energy efficiency is achieved by incorporating a large, high-density heat exchanger, an advanced high-efficiency fan motor and a next generation compressor using the latest in super efficient R32 refrigerant.

R32

Wi-Fi Control Built-in! Never Return to a Cold Home Again

With built-in Wi-Fi Control you can pre-heat or cool a room no matter where you are. On the way home, running late, coming home early, or even when you're in a different country, with Wi-Fi Control you'll always arrive home to total comfort.

And because our Wi-Fi Control is now also Amazon Alexa and Google Home enabled, you can take your comfort to the next level and enjoy hands-free heat pump control.

You can find out more about Wi-Fi and Voice Control on pages 6–7.

BUILT-IN Wi-Fi CONTROL

Quiet Operation

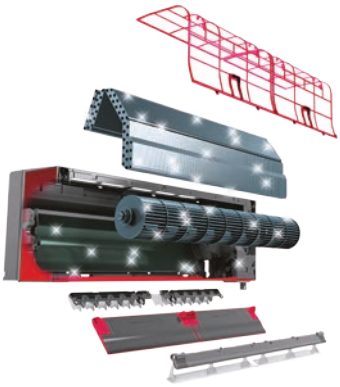
Mitsubishi Electric Heat Pumps are designed to be very, very quiet. Constant development to reduce sound levels has resulted in our Black Diamond Series High Wall indoor units starting at an amazingly quiet 19dBA* making them ideal where it matters most – in living rooms and bedrooms.

19dBA

* MSZ-LN25/35 indoor sound level on lowest fan speed.

Advanced Plasma Quad Plus Filtration

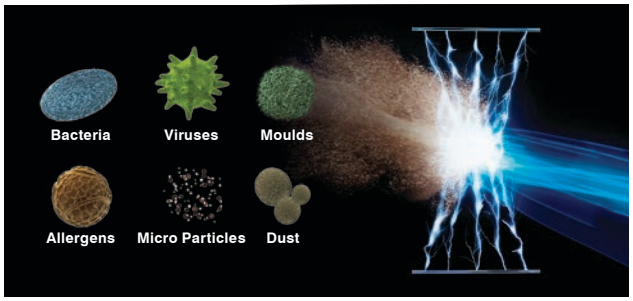
The new advanced Plasma Quad Plus Filtration System, featuring high-performance two stage plasma technology, filters the air to clean away smells, dust, moulds and other common household allergens.



Plasma 4+ FILTRATION

Two Stage Plasma Filter

The Plasma Quad Plus Filter works like an electrical curtain, using an electrical discharge to catch and neutralise even microscopically small particles in the air. In fact, it can even capture PM2.5 particles (which are up to 30 times smaller than the width of a human hair!).



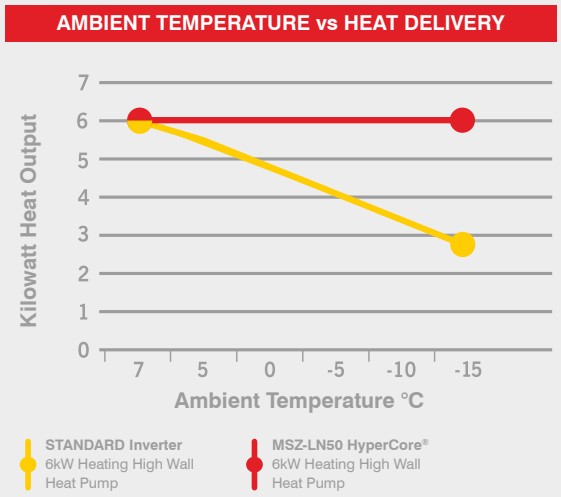
Highly Effective Filtration!

Independent test results confirm that the Plasma Quad Filtration System achieves extremely high reduction results in the removal of allergen, mould, bacteria and virus particles in the room, providing the ultimate in peace of mind and ensuring a healthier and cleaner living environment.

HyperCore as Standard*

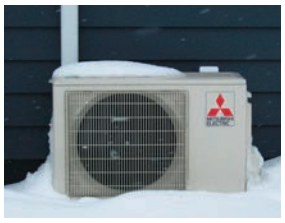
The Black Diamond Series 2.5–5kW capacities come standard with HyperCore Technology.

While ordinary heat pumps produce less heat below 7°C, only Mitsubishi Electric HyperCore Technology guarantees to continue to deliver its full rated heating capacity right down to -15°C, so you stay warm when you need it most.



* The Black Diamond Series LN60 does not feature HyperCore Technology.

As the graph above shows, even though both heat pumps are rated to provide 6kW of heat, their performance differs greatly as the temperature drops. While the standard heat pump produces less heat, the HyperCore LN50 model continues to deliver the full 6kW you paid for. The result? Your room heats up fast and stays warm when you need it most.



HYPERCORE®

Black Diamond LN Series Features

- Whisper Quiet Operation
- 3D i-See Sensor
- Dual Split Vane Technology
- Blue Fin Outdoor Coil Protection
- Next Generation Energy Efficient Compressor
- Dual Barrier Coating
- Plasma Quad Plus Filtration System
- 7-Day Programmable Controller
- i-Save Mode
- Econo Cool
- 10°C Heating Mode
- Night Mode

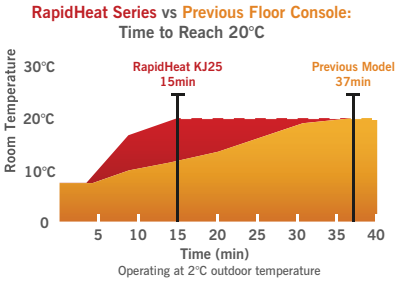
RapidHeat KJ Series

RapidHeat

New Zealand's quietest floor consoles* feature a contemporary slimline design and dramatically reduced depth. RapidHeat Floor Consoles are the perfect solution for unobtrusive heating at floor level. New advanced sensors with Intuitive Control Logic Technology offer unparalleled low temperature heating performance in the shortest amount of time, all while maintaining maximum energy efficiency.

NZ's Quietest Floor Consoles

Starting at barely a whisper, Mitsubishi Electric RapidHeat Floor Consoles are New Zealand's quietest floor console heat pumps starting from just 19dBA*. This is achieved through the use of a larger fan scroll that not only enables the unit to be quieter, but also increases its efficiency when heating your home.



RapidHeat Technology

INDUSTRY FIRST

Advanced sensors coupled with Intuitive Control Logic mean optimal running temperatures are reached in the shortest amount of time possible with maximum energy efficiency. Automatically activated at start up in low temperature conditions when Two-Way Airflow is selected, warm air is blown in a downward direction first before the air is returned back into the indoor unit where it is reheated a second time. As a result, a room can now be heated up to twice as fast compared to our previous model.

Sleek, Sophisticated Design

Mitsubishi Electric RapidHeat Floor Consoles feature a new contemporary design that can be recessed into your wall to dramatically reduce the depth of the indoor unit from 215mm to 145mm – a decrease of 33%. With the addition of a removable base, it is the perfect solution offering compact, unobtrusive heating for new buildings, renovation projects and fireplace replacements.

RapidHeat

*MFZ-KJ 25/35 indoor sound level on lowest fan setting.

Multi Vane Flow for Even Heat Distribution INDUSTRY FIRST

The Multi Vane Flow function blows warm air in both an upward and downward direction providing fast, even and effective heating whilst also reducing draughts. This is achieved via three uniquely shaped vanes that are designed for better airflow control and also provide the freedom to be customised to your preference.

Dimensions (WxDxH): 750 x 215 x 600mm

MFZ-KJ25VE
Heating Capacity: 3.4 kW | Cooling Capacity: 2.5 kW

MFZ-KJ35VE
Heating Capacity: 4.3 kW | Cooling Capacity: 3.5 kW

MFZ-KJ50VE
Heating Capacity: 5.8 kW | Cooling Capacity: 5.0 kW

MFZ-KJ60VE
Heating Capacity: 6.8 kW | Cooling Capacity: 6.0 kW

HYPERCORE®

MFZ-KJ50VEHZ
Heating Capacity: 5.8 kW | Cooling Capacity: 5.0 kW

MFZ-KJ60VEHZ
Heating Capacity: 6.8 kW | Cooling Capacity: 6.0 kW

Optional Wi-Fi Control! Never Return to a Cold Home Again

With optional Wi-Fi Control you can pre-heat or cool a room no matter where you are. On the way home, running late, coming home early, or even when you're in a different country, with Wi-Fi Control you'll always arrive home to total comfort.

OPTIONAL Wi-Fi CONTROL

And because our Wi-Fi Control is now also Amazon Alexa and Google Home enabled, you can take your comfort to the next level and enjoy hands-free heat pump control.

You can find out more about Wi-Fi and Voice Control on pages 6–7.

Optional HyperCore Technology

The KJ Series Floor Consoles come with optional HyperCore Technology. While ordinary heat pumps produce less heat below 7°C, only Mitsubishi Electric HyperCore Technology guarantees to continue to deliver its full rated heating capacity right down to -15°C, so you stay warm when you need it most.

HYPERCORE®

RapidHeat KJ Series Features

- NZ's Quietest Floor Console*
- HyperCore Option
- 0.6 Watt Low Standby Power
- RapidHeat Technology
- Anti-Allergy Enzyme Filter
- Nano Platinum Filter
- Multi Vane Airflow
- Recessable Design
- 7-Day Programmable Controller
- Sleek Contemporary Design
- Optional Wi-Fi Control

SLZ Series

Compact and ultra quiet, our range of ceiling cassette heat pumps are equipped with 4-way airflow and cutting edge control. They offer you the flexibility to keep your wall and floor space free without compromising on your comfort.

Stylish, Slimline Design

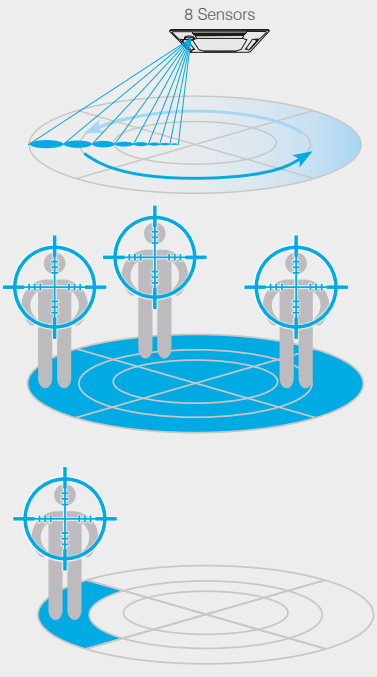
With an inconspicuous look that blends seamlessly into any room, the SLZ Series' pure white colour and compact, linear design is ideal for discreet heating and cooling. A recipient of the Good Design Award, the new SLZ Series fits into narrow ceiling spaces with a height of only 245mm.

3D i-See Sensor

The 3D i-See Sensor works to detect the floor temperature and how many people are present in the room; automatically switching to the optimal operating mode based on this information.

With a total of 8 sensors, which rotate a full 360° in three-minute intervals, the 3D i-See Sensor is able to detect people's positions within the room to provide direct or indirect airflow, as preferred.

When the 3D i-See Sensor detects that the room is unoccupied, it switches to Energy-Saving Mode or Auto-Off, as set by user.



Horizontal Airflow

The SLZ Series eliminates uncomfortable draughts and provides improved airflow control with six different discharge angles. The air discharge channels provide a lateral airflow advantage; ensuring users are not susceptible to airflow and air is discharged evenly across the entire space.

Low Noise Levels

The patented 3D turbo fan with two-stage blade structure ensures low noise operation, for a quieter comfortable environment. Starting from a hushed 25dBA, the sound level has been reduced by 2–4 dBA from previous models.

Easy Installation

The SLZ Series comes equipped with a temporary suspension hook-on grille; improving efficiency during installation. Installation is also possible without removing screws for the corner panel and control box, enabling rapid and safe installation by a single person.

Fresh Air Intake

A duct opening is provided in the main body making it possible to bring fresh air in directly, where it can then be heated to provide clean, refreshing comfort.

Optional Wi-Fi Control! Never Return to a Cold Home Again

With optional Wi-Fi Control you can pre-heat or cool a room no matter where you are. On the way home, running late, coming home early, or even when you're in a different country, with Wi-Fi Control you'll always arrive home to total comfort.

And because our Wi-Fi Control is now also Amazon Alexa and Google Home enabled, you can take your comfort to the next level and enjoy hands-free heat pump control.

You can find out more about Wi-Fi and Voice Control on pages 6–7.

OPTIONAL Wi-Fi CONTROL

Unit Dimensions (WxDxH): 570 x 570 x 245mm
Panel Dimensions (WxDxH): 625 x 625 x 10mm

SLZ-KF25VA3
Heating Capacity: 3.0 kW | Cooling Capacity: 2.5 kW

SLZ-KF35VA3
Heating Capacity: 4.0 kW | Cooling Capacity: 3.5 kW

SLZ-KF50VA3
Heating Capacity: 5.0 kW | Cooling Capacity: 5.0 kW

SLZ-KF60VA3
Heating Capacity: 6.0 kW | Cooling Capacity: 5.6 kW

SLZ Series Features

- Horizontal Airflow
- Fresh Air Intake
- Whisper Quiet Operation
- Auto Vane
- 4-Way Airflow
- Long-Life Filter
- 3D i-See Sensor
- Auto Change Over Function
- Handheld or Wall Mounted 7-Day Programmable Controller
- Slimline Design
- Optional Wi-Fi Control

Multi Room Systems

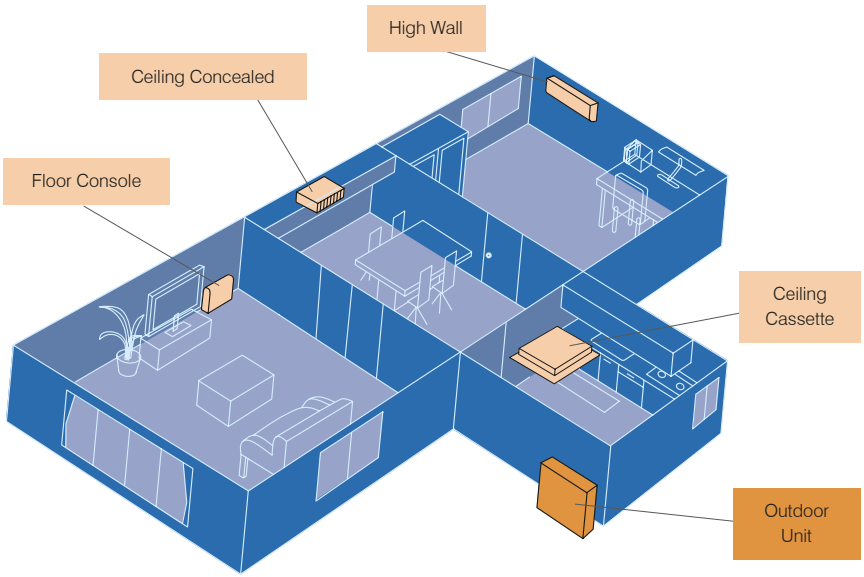
While a standard heat pump system consists of an indoor and outdoor unit, a Multi Room System allows you to connect multiple indoor units to a single outdoor unit. This system not only gives you the freedom to select the indoor model best suited to each and every room in your home, it also enhances exterior aesthetics by reducing the number of outdoor units required.

The Total Home Solution

A Multi Room Heat Pump System not only gives you the freedom to select the indoor model best suited to each and every room in your home, it also enhances exterior aesthetics by reducing the number of outdoor units required.

With a Multi Room Heat Pump System you have the freedom to choose the ideal unit for each area of your home, keeping you comfortable without cluttering the exterior.

With Mitsubishi Electric Heat Pump technology, you also get the benefit of superior efficiency and energy savings.



MULTI ROOM

Style for Each and Every Room

With a Multi Room Heat Pump System, you have the flexibility to choose the perfect indoor heat pump for each room. Whether it's a small capacity whisper quiet high wall for the bedroom, a compact RapidHeat Floor Console for the office or a discreet ducted model for the lounge, there is a style and capacity to fit any room – no matter the size or interior aesthetic.

Selecting the Right System

Correct sizing of a Mitsubishi Electric Multi Room System matches the energy load of the indoor units desired with the appropriate Multi Room outdoor unit. Your Mitsubishi Electric Authorised Installer will be able to guide you through this process while recommending the optimum type of heat pump for each room, ensuring the best solution for your whole home.

Individual Temperature Control for Each Room

A Multi Room System allows individual control of every heat pump in your home; whether you want to increase the temperature in the kids' bedroom before bedtime, or turn off the living room heat pump as you head out for dinner. With individual heat pump control, you can adjust the temperature to suit your comfort levels and ensure a heat pump is only operating when needed; maximising energy savings.

Futureproof and Add Units as Your Family Grows

With a Multi Room System, there is no need to hurry and choose all the possible indoor units for your home at once. Indoor units do not have to be connected up all at the same time when you first install the system. This means for example a 4 room system could be installed with only 2 indoor units connected to begin with; giving you the flexibility to add up to two more rooms in the future – all connected to the one outdoor unit.

Quiet Operation (Silent Mode)

Mitsubishi Electric has applied a Silent Mode to their Multi Room units, ensuring outdoor sound levels can remain as low as 45dBA* while operating. This can be vital when installing in urban residences with nearby neighbouring properties.

- ✔ Only one outdoor
- ✔ Choose from high walls, floor consoles, ducted or cassettes
- ✔ Energy efficient
- ✔ From 2 to 8 room solutions
- ✔ Whisper quiet
- ✔ Optional Wi-Fi Control
- ✔ Optional Zone Control (ducted indoors only)

If you would like more information about our whole home options then please ask for a copy of our Multi Room Heat Pump Systems brochure.

* MXZ-2D52/3E54/4E71VAD2

Ducted Systems

As the most discreet space heating solution available, Ducted Systems offer a stylish, quiet alternative that is largely hidden from view with only subtle air grilles visible. They are ideal for both larger residences and offices that value the aesthetics of elegant, unobtrusive heating.

PEAD and PEA Ducted Range

For powerful performance without compromising elegance or style, this range complements a room's environment and offers a vast line-up of performance functions. Hidden from view with only subtle grilles showing, ducted units are installed in the roof cavity and ducting is used to connect multiple duct grilles to provide heating or cooling to each room.

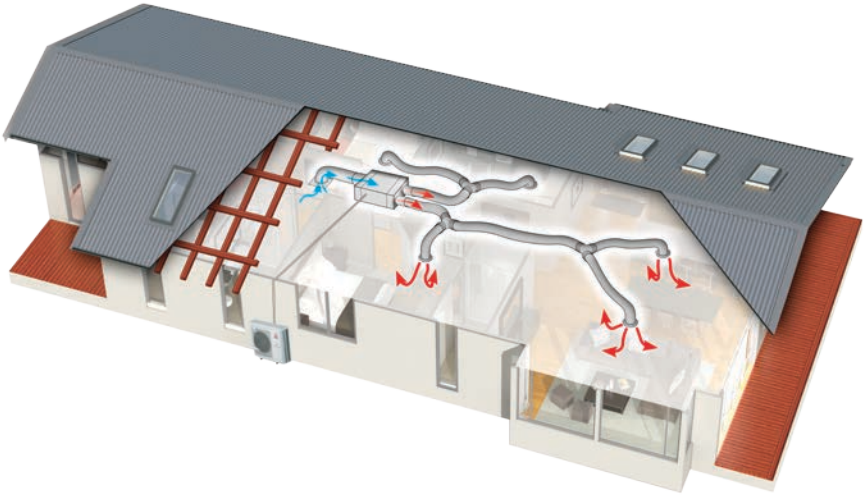
The installation possibilities are endless. Using flexible duct design and a wide range of variations in airflow options, ducted systems provide greater freedom in the placement of indoor units throughout the home. Meanwhile, the addition of a PAC-ZC Zone Controller, equipped with Intuitive Airflow Control, expands functionality and interaction to realise even greater energy savings.

Next Generation R32 Technology

Superior energy efficiency is achieved by incorporating a large, high-density heat exchanger, an advanced high-efficiency fan motor and a next generation compressor using the latest in super efficient R32 refrigerant.

With an eye towards a green tomorrow, Mitsubishi Electric have incorporated R32 refrigerant into the Ducted Series Heat Pumps.

This move towards a more environmentally friendly refrigerant reduces the global warming potential (GWP) by two thirds in comparison to previous R410A and with better thermal dynamic properties than R410A, provides increased energy efficiency.

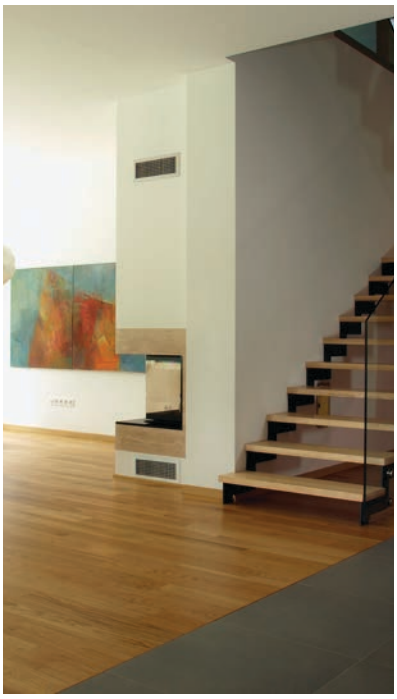


PEAD Series

The unobtrusive PEAD Ducted Series is specifically designed for installations where ceiling space is minimal. The system is super energy efficient and whisper quiet. With only its grilles visible, it is the perfect hidden comfort solution for heating or cooling multiple rooms at the same time.

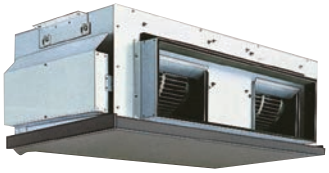
Compact Indoor Units

The height of the PEAD (7.1kW~14.0kW) models has been unified to 250mm making installation possible in low ceilings with minimal clearance space. It has variable airflow settings to ensure the best operation to match virtually all room layouts.



PEA Series

For the ultimate in elegance and style, the PEA Ducted Series is the ideal total home comfort solution year-round. The unobtrusive ceiling installation means your walls are free for you to truly express your interior design aesthetic. With a whole home ducted system you experience energy efficient, whisper quiet operation.



Flexible Duct Design with High Pressure Static Fan

With a range of external static pressure settings from 50Pa–150Pa, PEA Series offer high airflow rates for whole home comfort, with complete flexibility in duct design.

Optional Zone Controllers

PAC-ZC40(H/L)-E and PAC-ZC80(H/L)-E

The PAC-ZC40–80 Zone Controller brings expanded functionality and interaction to realise even greater energy savings.

See our Multi Room Heat Pump Systems brochure for more information about Zone Controllers and whole home solutions.

If you would like more information about our whole home options then please ask for a copy of our Multi Room Heat Pump Systems brochure.

PEAD and PEA Series Features

- Compact Design
- Lightweight
- Variable Static Pressure - PEAD
- High Static Pressure - PEA
- Selection of Fan Speeds
- Next Generation Energy Efficient Compressor
- Easy Installation
- Air Cleaning Filter
- Quiet Operation
- Optional Zone Controller

Specifications

QUICK GLANCE	TYPE			High Wall System										
	SERIES			EcoCore GL Series										
	MODEL			MSZ-GL25		MSZ-GL35		MSZ-GL42		MSZ-GL50		MSZ-GL60	MSZ-GL71	MSZ-GL80
	REFRIGERANT			R32		R32		R32		R32		R32	R32	R32
	INDOOR UNIT			MSZ-GL25VGD		MSZ-GL35VGD		MSZ-GL42VGD		MSZ-GL50VGD		MSZ-GL60VGD	MSZ-GL71VGD	MSZ-GL80VGD
	OUTDOOR UNIT			MUZ-GL25VGD		MUZ-GL35VGD		MUZ-GL42VGD		MUZ-GL50VGD		MUZ-GL60VGD	MUZ-GL71VGD	MUZ-GL80VGD
	COOL			2.5kW 5.10 EER 19 dBA*		3.5kW 4.12 EER 19 dBA*		4.2kW 3.62 EER 26 dBA*		4.8kW 4.10 EER 28 dBA*		6.0kW 3.77 EER 29 dBA*	7.1kW 3.53 EER 30 dBA*	7.8kW 3.31 EER 30 dBA*
	HEAT			3.2kW 4.85 COP 19 dBA*		3.7kW 4.57 COP 19 dBA*		5.4kW 3.70 COP 26 dBA*		5.8kW 4.23 COP 28 dBA*		6.8kW 4.07 COP 29 dBA*	8.0kW 3.83 COP 30 dBA*	9.0kW 3.53 COP 30 dBA*
	ENERGY RATING			5.5	5.0	3.5	4.5	2.5	3.0	4.0	3.5	3.0 3.5	2.5	3.0	2.0	2.5
COOL	Capacity	Rated	[kW]	2.5		3.5		4.2		4.8		6.0	7.1	7.8
		Min-Max	[kW]	1.1-3.6		1.1-4.1		0.9-4.8		1.5-6.2		1.5-7.2	2.4-8.7	2.4-9.2
	Input	Rated	[kW]	0.49		0.85		1.16		1.17		1.59	2.01	2.36
	EER			5.10		4.12		3.62		4.10		3.77	3.53	3.31
	AEER			5.07		4.10		3.61		4.09		3.77	3.53	3.30
	Star Rating			5.5		3.5		2.5		4.0		3.0	2.5	2.0
	Indoor Sound Level	(Quiet)	[dBA]	19		19		26		28		29	30	30
		(Low-SHi*)	[dBA]	24-31-38-44		24-31-38-44		29-35-40-46		33-39-44-49		37-41-45-49	37-41-45-49	37-41-45-53
	Running Current (In+Out)		[A]	2.6		4.0		5.3		5.2		7.1	8.8	10.8
	Air Volume In (SHi*)		[L/s]	200		200		205		282		268	290	290
HEAT	Capacity	Rated	[kW]	3.2		3.7		5.4		5.8		6.8	8.0	9.0
		Min-Max	[kW]	1.3-5.0		1.6-5.1		1.4-6.0		1.6-8.0		2.0-9.3	2.2-9.9	2.2-11.0
		@-15°C	[kW]	-		-		-		-		-	-	-
	Input	Rated	[kW]	0.66		0.81		1.46		1.37		1.67	2.09	2.55
	COP			4.85		4.57		3.70		4.23		4.07	3.83	3.53
	ACOP			4.82		4.55		3.69		4.22		4.06	3.82	3.52
	Star Rating			5.0		4.5		3.0		3.5		3.5	3.0	2.5
	Indoor Sound Level	(Quiet)	[dBA]	19		19		26		28		29	30	30
		(Low-SHi*)	[dBA]	25-31-38-42		25-31-38-45		29-35-40-46		33-38-43-48		37-41-45-51	37-41-45-51	37-41-45-51
	Running Current (In+Out)		[A]	3.5		3.8		6.6		6.1		7.4	9.1	11.3
	Air Volume In (SHi*)		[L/s]	182		200		205		282		290	340	340
Controller	Standard			7-Day Programmable Controller										
	Optional Wired 7-Day Timer			Optional: PAR Controller (Interface Required)										
Wi-Fi				Optional: MAC-568IF-E										
Power Supply	(Powered From Outdoor Unit)			230 V / Single Phase / 50 Hz										
	Maximum Current		[A]	7.1		7.1		9.5		14.3		14.3	16.5	16.5
Indoor	Dimensions (WxDxH)		[mm]	799 x 232 x 290						923 x 250 x 305			1100 x 238 x 325	
	Weight		[kg]	10						12.5		13	15.5	
Outdoor	Dimensions (WxDxH)		[mm]	800 x 285 x 550						840 x 330 x 880				
	Weight		[kg]	33		33		34		53		53	55	55
	Sound Level - SPL/Power (Cooling-Heating)		[dBA]	46-49 / 59-59		50-50 / 62-62		51-52 / 64-64		54-56 / 69-69		55-55 / 69-69	56-55 / 69-69	56-55 / 69-69
Piping	Diameter (Liquid/Gas)		[mm]	6.35 / 9.52		6.35 / 9.52		6.35 / 9.52		6.35 / 9.52		6.35 / 12.7	6.35 / 12.7	6.35 / 12.7
	Max. Length/Height†		[m]	20 / 12		20 / 12		20 / 12		30 / 15		30 / 15	30 / 15	30 / 15
	Chargeless Piping Length		[m]	10		10		10		15		15	15	15
Operation Range Outdoor	Cooling		[°C]	-10 / 46		-10 / 46		-10 / 46		-10 / 46		-10 / 46	-10 / 46	-10 / 46
	Heating		[°C]	-15 / 24		-15 / 24		-15 / 24		-15 / 24		-15 / 24	-15 / 24	-15 / 24
Indoor Unit Colour				White										

EER = Energy Efficiency Ratio
COP = Coefficient of Performance
AEER = Annual Energy Efficiency Ratio
ACOP = Annual Coefficient of Performance

SPL = Sound Pressure Level
[1] SHi = Super High
[2] Low–SHi = Low–Medium–High–Super High
[3] SPL measured under rated operating frequency

* Sound Levels rated at lowest fan speed.
† Maximum length is inclusive of height differential i.e. (20/12) means the pipe can be 12m high and 8m across for a total length of 20m.

Rating Conditions (AS / NZS 3823).
Cooling: Indoor: 27°C DB, 19°C WB. Outdoor: 35°C DB
Heating: Indoor: 20°C DB Outdoor: 7°C DB, 6°C WB.

QUICK GLANCE	TYPE			High Wall System										
	SERIES			EcoCore AP Series										
	MODEL			MSZ-AP25		MSZ-AP35		MSZ-AP42		MSZ-AP50		MSZ-AP60	MSZ-AP71	MSZ-AP80
	REFRIGERANT			R32		R32		R32		R32		R32	R32	R32
	INDOOR UNIT			MSZ-AP25VGKD		MSZ-AP35VGKD		MSZ-AP42VGKD		MSZ-AP50VGKD		MSZ-AP60VGKD	MSZ-AP71VGKD	MSZ-AP80VGKD
	OUTDOOR UNIT			MUZ-AP25VG		MUZ-AP35VG		MUZ-AP42VG		MUZ-AP50VG		MUZ-AP60VG	MUZ-AP71VG	MUZ-AP80VG
	COOL			2.5kW 5.00 EER 19 dBA*		3.5kW 4.02 EER 19 dBA*		4.2kW 3.53 EER 26 dBA*		5.0kW 3.79 EER 28 dBA*		6.0kW 3.77 EER 29 dBA*	7.1kW 3.53 EER 30 dBA*	7.8kW 3.31 EER 30 dBA*
	HEAT			3.2kW 4.78 COP 18 dBA*		3.7kW 4.57 COP 19 dBA*		5.4kW 3.78 COP 26 dBA*		6.0kW 3.70 COP 28 dBA*		6.8kW 4.07 COP 29 dBA*	8.0kW 3.83 COP 30 dBA*	9.0kW 3.53 COP 30 dBA*
	ENERGY RATING			5.5	5.0	3.5	4.5	2.5	3.0	3.0	3.0	3.0 3.5	2.5	3.0	2.0	2.5
COOL	Capacity	Rated	[kW]	2.5		3.5		4.2		5.0		6.0	7.1	7.8
		Min-Max	[kW]	1.1-3.6		1.1-4.1		0.9-4.8		1.4-6.2		1.4-7.3	2.0-8.7	2.0-9.2
	Input	Rated	[kW]	0.50		0.87		1.19		1.32		1.59	2.01	2.36
	EER			5.00		4.02		3.53		3.79		3.77	3.53	3.31
	AEER			4.97		4.01		3.52		3.78		3.77	3.53	3.30
	Star Rating			5.5		3.5		2.5		3.0		3.0	2.5	2.0
	Indoor Sound Level	(Quiet)	[dBA]	19		19		26		28		29	30	30
		(Low-SHi*)	[dBA]	24-31-38-44		24-31-38-45		29-35-40-46		33-39-44-49		37-41-45-48	37-41-45-49	37-41-45-53
	Running Current (In+Out)		[A]	2.6		4.1		5.3		5.9		7.1	8.8	10.8
	Air Volume In (SHi*)		[L/s]	205		223		223		258		315	310	343
HEAT	Capacity	Rated	[kW]	3.2		3.7		5.4		6.0		6.8	8.0	9.0
		Min-Max	[kW]	1.3-5.0		1.3-5.1		1.3-6.0		1.4-8.0		2.0-8.6	2.2-9.9	2.2-11.0
		@-15°C	[kW]	-		-		-		-		-	-	-
	Input	Rated	[kW]	0.67		0.81		1.43		1.62		1.67	2.09	2.55
	COP			4.78		4.57		3.78		3.70		4.07	3.83	3.53
	ACOP			4.75		4.55		3.77		3.70		4.06	3.82	3.53
	Star Rating			5.0		4.5		3.0		3.0		3.5	3.0	2.5
	Indoor Sound Level	(Quiet)	[dBA]	18		19		26		28		29	30	30
		(Low-SHi*)	[dBA]	25-31-38-42		25-31-38-45		29-35-40-46		33-38-43-48		37-41-45-48	37-41-45-51	37-41-45-51
	Running Current (In+Out)		[A]	3.3		3.8		6.3		7.1		7.4	9.1	11.3
	Air Volume In (SHi*)		[L/s]	190		215		233		268		338	320	320
Controller	Standard			7-Day Programmable Controller										
	Optional Wired 7-Day Timer			Optional: PAR Controller (Interface Required)										
Wi-Fi				Built-In										
Power Supply	(Powered From Outdoor Unit)			230 V / Single Phase / 50 Hz										
	Maximum Current		[A]	7.0		7.1		9.9		14.0		14.0	16.4	16.5
Indoor	Dimensions (WxDxH)		[mm]	798 x 219 x 299								1100 x 257 x 325		
	Weight		[kg]	10.5								16	17	
Outdoor	Dimensions (WxDxH)		[mm]	800 x 285 x 550						800 x 285 x 714			840 x 330 x 880	
	Weight		[kg]	35		35		36		41		41	55	55
	Sound Level - SPL[3]/Power (Cooling-Heating)		[dBA]	46-49 / 59-59		50-50 / 64-64		51-52 / 65-65		54-56 / 69-69		55-57 / 69-69	56-55 / 69-69	56-55 / 69-69
Piping	Diameter (Liquid/Gas)		[mm]	6.35 / 9.52		6.35 / 9.52		6.35 / 9.52		6.35 / 12.7		6.35 / 12.7	6.35 / 12.7	6.35 / 12.7
	Max. Length/Height†		[m]	20 / 12		20 / 12		20 / 12		20 / 12		30 / 15	30 / 15	30 / 15
	Chargeless Piping Length		[m]	10		10		10		15		15	15	15
Operation Range Outdoor	Cooling		[°C]	-10 / 46		-10 / 46		-10 / 46		-10 / 46		-10 / 46	-10 / 46	-10 / 46
	Heating		[°C]	-15 / 24		-15 / 24		-15 / 24		-15 / 24		-15 / 24	-15 / 24	-15 / 24
Indoor Unit Colour				White										

EER = Energy Efficiency Ratio
COP = Coefficient of Performance
AEER = Annual Energy Efficiency Ratio
ACOP = Annual Coefficient of Performance

SPL = Sound Pressure Level
[1] SHi = Super High
[2] Low–SHi = Low–Medium–High–Super High
[3] SPL measured under rated operating frequency

* Sound Levels rated at lowest fan speed.
† Maximum length is inclusive of height differential i.e. (20/12) means the pipe can be 12m high and 8m across for a total length of 20m.

Rating Conditions (AS / NZS 3823).
Cooling: Indoor: 27°C DB, 19°C WB. Outdoor: 35°C DB
Heating: Indoor: 20°C DB Outdoor: 7°C DB, 6°C WB.

Specifications

QUICK GLANCE	TYPE			High Wall System							
	SERIES			Designer EF Series				Black Diamond LN Series			
	MODEL			MSZ-EF25	MSZ-EF35	MSZ-EF42	MSZ-EF50	MSZ-LN25	MSZ-LN35	MSZ-LN50	MSZ-LN60
	REFRIGERANT			R410A	R410A	R410A	R410A	R32	R32	R32	R32
	INDOOR UNIT			MSZ-EF25VE2	MSZ-EF35VE2	MSZ-EF42VE2	MSZ-EF50VE2	MSZ-LN25VG	MSZ-LN35VG	MSZ-LN50VG	MSZ-LN60VG
	OUTDOOR UNIT			MUZ-EF25VE	MUZ-EF35VE	MUZ-EF42VE	MUZ-EF50VE	MUZ-LN25VGHZ	MUZ-LN35VGHZ	MUZ-LN50VGHZ	MUZ-LN60VG
	COOL			2.5kW 4.59 EER 21 dBA*	3.5kW 3.85 EER 21 dBA*	4.2kW 3.28 EER 28 dBA*	5.0kW 3.21 EER 30 dBA*	2.5kW 5.10 EER 19 dBA*	3.5kW 4.07 EER 19 dBA*	5.0kW 3.62 EER 27 dBA*	6.1kW 3.53 EER 29 dBA*
	HEAT			3.2kW 4.57 COP 21 dBA*	4.0kW 4.19 COP 21 dBA*	5.4kW 3.70 COP 28 dBA*	5.8kW 3.71 COP 30 dBA*	3.2kW 5.42 COP 19 dBA*	4.0kW 4.88 COP 19 dBA*	6.0kW 4.00 COP 25 dBA*	6.8kW 3.78 COP 29 dBA*
	ENERGY RATING			4.5 4.5	3.0 4.0	2.0 3.0	1.5 2.5	5.5 6.0	3.5 5.0	3.0 3.5	2.5 3.0
COOL	Capacity	Rated	[kW]	2.5	3.5	4.2	5.0	2.5	3.5	5.0	6.1
		Min-Max	[kW]	1.2 - 3.4	1.4 - 4.0	0.9 - 4.6	1.4 - 5.4	0.8 - 3.5	1.0 - 4.0	1.4 - 5.8	1.4 - 6.9
	Input	Rated	[kW]	0.55	0.91	1.28	1.58	0.49	0.86	1.38	1.73
	EER			4.59	3.85	3.28	3.21	5.10	4.07	3.62	3.53
	AEER			4.56	3.83	3.27	3.20	5.07	4.05	3.61	3.52
	Star Rating			4.5	3.0	2.0	1.5	5.5	3.5	3.0	2.5
	Indoor Sound Level	(Quiet)	[dBA]	21	21	28	30	19	19	27	29
		(Low-SHi*)	[dBA]	23-29-36-42	24-29-36-42	31-35-39-42	33-36-40-43	23-29-36-42	24-29-36-43	31-35-39-46	37-41-45-49
	Running Current (In+Out)		[A]	2.9	4.2	5.7	6.9	2.5	4.1	6.3	7.8
	Air Volume In (SHi*)		[L/s]	175	175	172	183	198	213	231	261
HEAT	Capacity	Rated	[kW]	3.2	4.0	5.4	5.8	3.2	4.0	6.0	6.8
		Min-Max	[kW]	1.1 - 4.2	1.8 - 5.5	1.4 - 6.3	1.6 - 7.5	1.0 - 6.3	1.0 - 7.0	1.8 - 9.0	1.8 - 9.8
		@-15°C	[kW]	-	-	-	-	3.2	4.0	6.0	-
	Input	Rated	[kW]	0.70	0.96	1.46	1.57	0.59	0.82	1.50	1.80
	COP			4.57	4.19	3.70	3.71	5.42	4.88	4.00	3.78
	ACOP			4.55	4.17	3.69	3.70	5.39	4.86	3.99	3.77
	Star Rating			4.5	4.0	3.0	2.5	6.0	5.0	3.5	3.0
	Indoor Sound Level	(Quiet)	[dBA]	21	21	28	30	19	19	25	29
		(Low-SHi*)	[dBA]	24-29-37-45	24-30-38-46	30-35-41-48	33-37-43-49	24-29-36-45	24-29-36-45	29-34-39-47	37-41-45-49
	Running Current (In+Out)		[A]	3.5	4.4	6.5	7.0	3.0	4.0	6.9	7.9
	Air Volume In (SHi*)		[L/s]	198	212	212	220	240	228	261	261
Controller	Standard			7-Day Programmable Controller				Premium LN 7-Day Programmable Controller and Wi-Fi Control			
	Optional Wired 7-Day Timer			Optional: PAR Controller (Interface Required)				Optional: PAR Controller (Interface Required)			
Wi-Fi				Optional: MAC-568IF-E				Built-In			
Power Supply	(Powered From Outdoor Unit)			230 V / Single Phase / 50 Hz				230 V / Single Phase / 50 Hz			
	Maximum Current		[A]	7.3	8.5	9.5	12.4	7.1	9.9	13.9	15.2
Indoor	Dimensions (WxDxH)		[mm]	885 x 195 x 299				890 x 233 x 307			
	Weight		[kg]	11.5				15.5			
Outdoor	Dimensions (WxDxH)		[mm]	800 x 285 x 550			840 x 330 x 880	800 x 285 x 550		840 x 330 x 880	
	Weight		[kg]	30	35	35	54	35	36	55	55
	Sound Level - SPL[3]/Power (Cooling-Heating)		[dBA]	47-48 / 58-60	49-50 / 61-63	50-51 / 62-64	52-52 / 65-66	46-49 / 60-61	49-50 / 61-62	51-55 / 64-66	55-55 / 65-69
Piping	Diameter (Liquid/Gas)		[mm]	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7
	Max. Length/Height†		[m]	20 / 12	20 / 12	20 / 12	30 / 15	20 / 12	20 / 12	30 / 15	30 / 15
	Chargeless Piping Length		[m]	7	7	7	7	7	7	7	7
Operation Range Outdoor	Cooling		[°C]	-10 / +46	-10 / +46	-10 / +46	-10 / +46	-10 / +46	-10 / +46	-10 / +46	-10 / +46
	Heating		[°C]	-15 / +24	-15 / +24	-15 / +24	-15 / +24	-25 / +24	-25 / +24	-25 / +24	-15 / +24
Indoor Unit Colour	White / Silver / Black							Black Diamond / Red Diamond / White Diamond			

EER = Energy Efficiency Ratio
COP = Coefficient of Performance
AEER = Annual Energy Efficiency Ratio
ACOP = Annual Coefficient of Performance

SPL = Sound Pressure Level
[1] SHi = Super High
[2] Low–SHi = Low–Medium–High–Super High
[3] SPL measured under rated operating frequency

* Sound Levels rated at lowest fan speed.
† Maximum length is inclusive of height differential i.e. (20/12) means the pipe can be 12m high and 8m across for a total length of 20m.

Rating Conditions (AS / NZS 3823).
Cooling: Indoor: 27°C DB, 19°C WB. Outdoor: 35°C DB
Heating: Indoor: 20°C DB Outdoor: 7°C DB, 6°C WB.

QUICK GLANCE	TYPE			Floor Console System						
	SERIES			RapidHeat KJ Series				RapidHeat KJ Series HyperCore		
	MODEL			MFZ-KJ25	MFZ-KJ35	MFZ-KJ50	MFZ-KJ60	MFZ-KJ50VEHZ	MFZ-KJ60VEHZ	
	REFRIGERANT			R410A	R410A	R410A	R410A	R410A	R410A	
	INDOOR UNIT			MFZ-KJ25VE	MFZ-KJ35VE	MFZ-KJ50VE	MFZ-KJ60VE	MFZ-KJ50VE	MFZ-KJ60VE	
	OUTDOOR UNIT			MUFZ-KJ25VE	MUFZ-KJ35VE	MUFZ-KJ50VE	MUFZ-KJ60VE	MUFZ-KJ50VEHZ	MUFZ-KJ60VEHZ	
	COOL			**2.5kW 4.63 EER 20 dBA***	**3.5kW 3.89 EER 20 dBA***	**5.0kW 3.57 EER 27 dBA***	**6.0kW 3.43 EER 27 dBA***	**5.0kW 3.57 EER 27 dBA***	**6.0kW 3.43 EER 27 dBA***	
	HEAT			**3.4kW 4.42 COP 19 dBA***	**4.3kW 3.91 COP 19 dBA***	**5.8kW 3.87 COP 29 dBA***	**6.8kW 3.60 COP 29 dBA***	**5.8kW 3.87 COP 29 dBA***	**6.8kW 3.60 COP 29 dBA***	
	ENERGY RATING			5.0 4.0	3.0 3.0	2.5 3.0	2.0 2.5	2.5 3.0	2.0 2.5	
COOL	Capacity	Rated	[kW]	2.5	3.5	5.0	6.0	5.0	6.0	
		Min-Max	[kW]	0.5 - 3.4	0.5 - 3.7	1.6 - 5.7	1.6 - 6.8	1.6 - 5.7	1.6 - 6.8	
	Input	Rated	[kW]	0.54	0.90	1.40	1.75	1.40	1.75	
	EER			4.63	3.89	3.57	3.43	3.57	3.43	
	AEER			4.62	3.88	3.56	3.42	3.56	3.42	
	Star Rating			5.0	3.0	2.5	2.0	2.5	2.0	
	Indoor Sound Level	(Quiet)	[dBA]	20	20	27	27	27	27	
		(Low-SHi*)	[dBA]	25-30-35-39	25-30-35-39	31-35-39-44	35-39-46-53	31-35-39-44	35-39-46-53	
	Running Current (In+Out)		[A]	2.7	4.2	6.2	7.8	6.2	7.8	
	Air Volume In (SHi*)		[L/s]	137	137	177	250	177	250	
HEAT	Capacity	Rated	[kW]	3.4	4.3	5.8	6.8	5.8	6.8	
		Min-Max	[kW]	1.2 - 4.6	1.2 - 5.8	2.2 - 8.2	2.2 - 9.1	2.2 - 8.4	2.2-9.4	
		@-15°C	[kW]	-	-	-	-	5.8	6.8	
	Input	Rated	[kW]	0.77	1.10	1.50	1.89	1.50	1.89	
	COP			4.42	3.91	3.87	3.60	3.87	3.60	
	ACOP			4.41	3.90	3.86	3.59	3.86	3.59	
	Star Rating			4.0	3.0	3.0	2.5	3.0	2.5	
	Indoor Sound Level	(Quiet)	[dBA]	19	19	29	29	29	29	
		(Low-SHi*)	[dBA]	25-30-35-41	25-30-35-41	35-40-45-50	35-41-47-51	35-40-45-50	35-41-47-51	
	Running Current (In+Out)		[A]	3.7	5.0	6.7	8.4	6.7	8.4	
	Air Volume In (SHi*)		[L/s]	162	162	233	243	233	243	
Controller	Standard			7-Day Programmable Controller						
	Optional Wired 7-Day Timer			Optional: PAR Controller (Interface Required)						
Wi-Fi				Optional: MAC-568IF-E						
Power Supply	(Powered From Outdoor Unit)			230 V / Single Phase / 50 Hz						
	Maximum Current		[A]	9.4	9.4	14	16.5	14	16.5	
Indoor	Dimensions (WxDxH)		[mm]	750 x 215 x 600						
	Weight		[kg]	15						
Outdoor	Dimensions (WxDxH)		[mm]	800 x 285 x 550		840 x 330 x 880		840 x 330 x 880		
	Weight		[kg]	37		55		55		
	Sound Level - SPL/Power (Cooling-Heating)		[dBA]	46-51 / 59-62	47-51 / 60-63	49-52 / 63-63	52-53 / 65-65	49-52 / 63-63	52-53 / 65-65	
Piping	Diameter (Liquid/Gas)		[mm]	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	6.35 / 12.7	6.35 / 12.7	6.35 / 12.7	
	Max. Length/Height†		[m]	20 / 12	20 / 12	30 / 15	30 / 15	30 / 15	30 / 15	
	Chargeless Piping Length		[m]	7	7	7	7	7	7	
Operation Range Outdoor	Cooling		[°C]	-10 / +46	-10 / +46	-10 / +46	-10 / +46	-10 / +46	-10 / +46	
	Heating		[°C]	-15 / +24	-15 / +24	-15 / +24	-15 / +24	-25 / +24	-25 / +24	
Indoor Unit Colour				White						

EER = Energy Efficiency Ratio
COP = Coefficient of Performance
AEER = Annual Energy Efficiency Ratio
ACOP = Annual Coefficient of Performance

SPL = Sound Pressure Level
[1] SHi = Super High
[2] Low–SHi = Low–Medium–High–Super High
[3] SPL measured under rated operating frequency

* Sound Levels rated at lowest fan speed.
† Maximum length is inclusive of height differential i.e. (20/12) means the pipe can be 12m high and 8m across for a total length of 20m.

Rating Conditions (AS / NZS 3823).
Cooling: Indoor: 27°C DB, 19°C WB. Outdoor: 35°C DB
Heating: Indoor: 20°C DB Outdoor: 7°C DB, 6°C WB.

Specifications

SLZ Series (4-Way Cassette)

Refrigerant			R410A		R410A		R410A		R410A	
Indoor Unit			SLZ-KF25VA		SLZ-KF35VA		SLZ-KF50VA		SLZ-KF60VA	
Function			Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity (min.-max.)		(kW)	2.5 (1.5-3.2)	3.0 (1.3-4.5)	3.5 (1.4-3.9)	4.0 (1.7-5.0)	5.0 (2.3-5.2)	5.0 (1.7-6.5)	5.6 (2.3-6.5)	6.0 (2.5-7.4)
Power Input		(kW)	0.65	0.78	0.95	1.08	1.53	1.58	1.75	1.88
Rated EER/COP			3.85	3.85	3.68	3.70	3.27	3.16	3.20	3.19
Rated AEER/ACOP			3.73	3.75	3.61	3.63	3.21	3.11	3.16	3.15
Power Supply			Single-Phase, 50Hz, 230V							
Airflow (Lo-Hi)		m3/min	6.5-7.5-8.5		6.5-9-11.5		7-9-11.5		7.5-11.5-13	
		L/S	108-125-142		108-150-192		117-150-192		125-192-217	
Sound Pressure Level		(dB)	25-28-31		25-33-39		27-34-39		32-40-43	
External Static Pressure Pa			-							
Dimensions	Height	(mm)	Unit: 245 – Panel: 10							
	Width	(mm)	Unit: 570 – Panel: 625							
	Depth	(mm)	Unit: 570 – Panel: 625							
Weight		(kg)	Unit: 15 – Panel: 3							

Outdoor Unit			SUZ-KA25VAD2	SUZ-KA35VAD2	SUZ-KA50VAD2	SUZ-KA60VAD2
Dimensions	Height	(mm)	550	550	880	880
	Width	(mm)	800	800	840	840
	Depth	(mm)	285	285	330	330
Weight		(kg)	31	35	51	51

PEAD Series (Ducted)

Refrigerant			R410A		R32		R32		R32		R32	
Indoor Unit			PEAD-M71JAA		PEAD-M71JAA		PEAD-M100JAA		PEAD-M125JAA		PEAD-M140JAA	
Function			Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity (min.-max.)		(kW)	7.1 (2.8-8.1)	8.0 (2.6-10.2)	7.1 (3.3-8.1)	8.0 (3.5-10.2)	10.0 (4.9-11.4)	11.2 (4.5-14.0)	12.5 (5.5-14.0)	14.0 (5.0-16.0)	14.0 (6.2-15.3)	16.0 (5.7-18.0)
Power Input		(kW)	2.10	2.04	1.85	1.93	2.67	2.80	3.66	3.52	4.37	4.18
Rated EER/COP			3.38	3.92	3.83	4.14	3.74	4.00	3.41	3.97	3.20	3.82
Rated AEER/ACOP			3.34	3.87	3.63	3.93	3.60	3.86	3.32	3.86	3.13	3.73
Power Supply			Single-Phase, 50Hz, 230V									
Airflow (Lo-Hi)		m3/min	17.5-21-25		17.5-21-25		24-29-34		29.5-35.5-42		32-39-46	
		L/S	292-350-417		292-350-417		400-483-567		492-592-700		533-650-767	
Sound Pressure Level		(dB)	30-34-39		30-34-39		33-38-42		36-40-44		40-44-49	
External Static Pressure Pa			35/50/70/100/125									
Dimensions	Height	(mm)	250				250				250	
	Width	(mm)	1,100				1,400				1,600	
	Depth	(mm)	732				732				732	
Weight		(kg)	30				39		40		44	

Outdoor Unit			SUZ-KA71VAD2	PUZ-ZM71VHA	PUZ-ZM100VKA	PUZ-ZM125VKA	PUZ-ZM140VKA
Dimensions	Height	(mm)	880	943	1338	1338	1338
	Width	(mm)	840	950	1050	1050	1050
	Depth	(mm)	330	330	330	330	330
Weight		(kg)	54	70	111	111	111

*1 Rated EER/COP for PEA-RP170WJA are measured at ESP 75 Pa *2 Sound pressure level are measured in anechoic chamber at ESP 150 Pa

PEA Series (Ducted)

Refrigerant			R32		R32		R32	
Indoor Unit			PEA-M100GAA		PEA-M125GAA		PEA-M140GAA	
Function			Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity (min.-max.)		(kW)	10.0 (4.9-11.4)	11.2 (4.5-14.0)	12.5 (5.5-14.0)	14.0 (5.0-16.0)	14.0 (6.2-15.3)	16.0 (5.7-18.0)
Power Input		(kW)	2.39	2.51	3.52	3.27	4.10	3.90
Rated EER/COP *1			4.18	4.46	3.55	4.28	3.41	4.10
Rated AEER/ACOP			4.01	4.28	3.45	4.15	3.33	3.99
Power Supply			Single-Phase, 50Hz, 230V					
Airflow (Lo-Hi)		m3/min	34-42		48-60			
		L/S	567-700		800-1000			
Sound Pressure Level *2		(dB)	39-42		42-45			
External Static Pressure Pa			50/100/150					
Dimensions	Height	(mm)	400					
	Width	(mm)	1,400					
	Depth	(mm)	634					
Weight		(kg)	63					

Outdoor Unit			PUZ-ZM100VKA	PUZ-ZM125VKA	PUZ-ZM140VKA
Dimensions	Height	(mm)	1,338	1,338	1,338
	Width	(mm)	1,050	1,050	1,050
	Depth	(mm)	330	330	330
Weight		(kg)	113	113	113

PEA Series (Ducted)

Refrigerant			R410A		R410A		R410A	
Indoor Unit			PEA-RP170WJA		PEA-RP200WJA		PEA-RP250WHA	
Function			Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity (min.-max.)		(kW)	16.0 (9.0-19.5)	20.0 (9.5-22.4)	18.9 (9.0-22.4)	22.4 (9.5-25.0)	22.0 (11.2-27.0)	25.0 (12.5-29.0)
Power Input		(kW)	4.94	6.00	5.92	6.89	6.11	6.89
Rated EER/COP *1			3.23	3.33	3.19	3.25	3.60	3.62
Rated AEER/ACOP			3.16	3.26	3.11	3.18	3.27	3.37
Power Supply			Single-Phase, 50Hz, 230V		Three-Phase, 50Hz, 400V			
Airflow (Lo-Hi)		m3/min	50-61-72				58-71-84	
		L/S	833-1017-1200				967-1183-1400	
Sound Pressure Level *2		(dB)	38-41-44		40-43-46			
External Static Pressure Pa			60/75/100/150					
Dimensions	Height	(mm)	470					
	Width	(mm)	1370					
	Depth	(mm)	1120					
Weight		(kg)	108					

Outdoor Unit			PUZ-RP170VKA	PUZ-RP200YKA	PUHZ-RP250YKM
Dimensions	Height	(mm)	1,338	1,338	1650
	Width	(mm)	1,050	1,050	920
	Depth	(mm)	330	330	740
Weight		(kg)	124	135	199

*1 Rated EER/COP for PEA-RP170WJA are measured at ESP 75 Pa *2 Sound pressure level are measured in anechoic chamber at ESP 150 Pa

Heat Pump Selection Guide

Each Home is as Individual as its Owner

Ensuring your heat pump is the right size for your home, is as important as choosing the right style. Mitsubishi Electric offers a wide variety of heat pump options to choose from.

Aside from design, the key to selecting the right heat pump to create a comfortable environment is to choose the correct unit size. Choosing an over-sized unit could cost you more in energy usage, while an under-sized heat pump may not provide the heating or cooling the room requires.

This guide can be used to give you an approximate idea of heating unit size. A heat pump should not be purchased without first obtaining an in-home consultation by a qualified Mitsubishi Electric Authorised Installer.

Room Dimensions in a New or Well-Insulated House

Room Size Calculation									Heat Pump Models					
									High Wall System				Floor Console System	
Room Size		Ceiling Height		Room Volume		Room Size Factor		kW Heating	EcoCore GL Series	EcoCore AP Series	Designer EF Series	Black Diamond LN Series	RapidHeat KJ Series	RapidHeat KJ Series HyperCore
4m x 3m	x	2.4m	=	28.8m³	x	55 watts per m³	=	1.6 kW	GL25VGD†	AP25VGKD†	EF25VE2†	LN25VGHZ†	KJ25VE†	
4m x 4m	x	2.4m	=	38.4m³	x	55 watts per m³	=	2.1 kW	GL25VGD†	AP25VGKD†	EF25VE2†	LN25VGHZ†	KJ25VE†	
4m x 5m	x	2.4m	=	48.0m³	x	55 watts per m³	=	2.6 kW	GL25VGD†	AP25VGKD†	EF25VE2†	LN25VGHZ†	KJ25VE†	
5m x 5m	x	2.4m	=	60.0m³	x	55 watts per m³	=	3.3 kW	GL25VGD	AP25VGKD	EF25VE2	LN25VGHZ	KJ25VE	
6m x 5m	x	2.4m	=	72.0m³	x	55 watts per m³	=	4.0 kW	GL35VGD	AP35VGKD	EF35VE2	LN35VGHZ	KJ35VE	KJ50VEHZ†
6m x 6m	x	2.4m	=	86.4m³	x	55 watts per m³	=	4.7 kW	GL42VGD	AP42VGKD	EF42VE2	LN50VGHZ†	KJ50VE†	KJ50VEHZ†
6m x 7m	x	2.4m	=	100.8m³	x	55 watts per m³	=	5.5 kW	GL50VGD	AP50VGKD	EF50VE2	LN50VGHZ	KJ50VE	KJ50VEHZ
7m x 7m	x	2.4m	=	117.6m³	x	55 watts per m³	=	6.5 kW	GL60VGD	AP60VGKD		LN60VG	KJ60VE	KJ60VEHZ
7m x 8m	x	2.4m	=	134.4m³	x	55 watts per m³	=	7.4 kW	GL71VGD	AP71VGKD				
8m x 8m	x	2.4m	=	153.6m³	x	55 watts per m³	=	8.4 kW	GL80VGD	AP80VGKD				

At outdoor ambient 7°C. † Higher rated unit for application, but can be used.

Room Dimensions in a Cold, Damp House or with Lots of Glass

Room Size Calculation									Heat Pump Models					
									High Wall System				Floor Console System	
Room Size		Ceiling Height		Room Volume		Room Size Factor		kW Heating	EcoCore GL Series	EcoCore AP Series	Designer EF Series	Black Diamond LN Series	RapidHeat KJ Series	RapidHeat KJ Series HyperCore
4m x 3m	x	2.4m	=	28.8m³	x	65 watts per m³	=	1.9 kW	GL25VGD†	AP25VGKD†	EF25VE2†	LN25VGHZ†	KJ25VE†	
4m x 4m	x	2.4m	=	38.4m³	x	65 watts per m³	=	2.5 kW	GL25VGD†	AP25VGKD†	EF25VE2†	LN25VGHZ†	KJ25VE†	
4m x 5m	x	2.4m	=	48.0m³	x	65 watts per m³	=	3.1 kW	GL25VGD	AP25VGKD	EF25VE2	LN25VGHZ	KJ25VE	
5m x 5m	x	2.4m	=	60.0m³	x	65 watts per m³	=	3.9 kW	GL35VGD	AP35VGKD	EF35VE2	LN35VGHZ	KJ35VE	KJ50VEHZ†
6m x 5m	x	2.4m	=	72.0m³	x	65 watts per m³	=	4.7 kW	GL42VGD	AP42VGKD	EF42VE2	LN50VGHZ†	KJ50VE†	KJ50VEHZ†
6m x 6m	x	2.4m	=	86.4m³	x	65 watts per m³	=	5.6 kW	GL50VGD	AP50VGKD	EF50VE2	LN50VGHZ	KJ50VE	KJ50VEHZ
6m x 7m	x	2.4m	=	100.8m³	x	65 watts per m³	=	6.5 kW	GL60VGD	AP60VGKD		LN60VG	KJ60VE	KJ60VEHZ
7m x 7m	x	2.4m	=	117.6m³	x	65 watts per m³	=	7.6 kW	GL71VGD	AP71VGKD				
7m x 8m	x	2.4m	=	134.4m³	x	65 watts per m³	=	8.7 kW	GL80VGD	AP80VGKD				

At outdoor ambient 7°C. † Higher rated unit for application, but can be used.

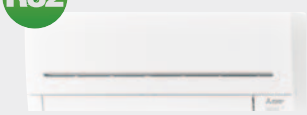
Choose the right one! Visit our online Heat Pump Selector at
www.mitsubishi-electric.co.nz/heatpump/selector

Recommended Heat Pumps

Store Contact Details

Staple business card here

EcoCore GL Series
High Wall System
See pages 8–9



EcoCore AP Series
High Wall System
See pages 10–11

Designer EF Series
High Wall System
See pages 12–13

Black Diamond LN Series
High Wall System
See pages 14–17

RapidHeat KJ Series
Floor Console System
See pages 18–19

SLZ Series
Ceiling Cassette System
See pages 20–21

Multi Room Systems
Whole Home Solution
See pages 22–23

Ducted Systems
Whole Home Solution
See pages 24–25

Notes

COLOUR DISCLAIMER

While every effort has been made to display the units as they appear in person any heat pump units shown in this brochure may not be colour accurate. Please ensure you view an actual unit at your nearest Mitsubishi Electric retailer for colour matching.

MITSUBISHI ELECTRIC

Peace of mind is assured with your choice of Mitsubishi Electric Heat Pumps. We support our product with a unique and comprehensive 5 year parts and labour warranty.

Mitsubishi Electric Quality

Quality you can rely on:

- All units line tested
- Performance tested
- 800 hour heat stress test
- 2000 hour endurance test

World Leaders in Heat Pump Technology

Since releasing their first wall mounted split system heat pump in 1968, Mitsubishi Electric has been a world leader in heat pump technology. Staying at the forefront of technology is of utmost importance to Mitsubishi Electric. Their commitment to rigorous factory testing and continuous investment in R&D ensures products are of the highest quality and feature superior technology.

Evaluation testing starts with replicating transportation conditions, with drop and vibration tests performed to ensure units remain protected during shipment. To ensure heat pumps perform under the harshest of environmental conditions when they are needed most, they are operated and tested in a room that simulates both freezing climates and tropical storms. Safety components are also tested by replicating abnormal conditions such as combustion; ensuring units do not react in an unexpected or unsafe manner.

For New Zealand specifically, this commitment to testing has led to industry-leading products being introduced that perform exceptionally well in our harsh and varied climate. New Zealanders can trust and rely on Mitsubishi Electric engineering to keep them warm when it matters most.

MITSUBISHI ELECTRIC

BDT **Black Diamond Technologies**
Exclusive distributor of
Mitsubishi Electric products in NZ

WELLINGTON
HEAD OFFICE

1 Parliament Street
PO Box 30772
Lower Hutt 5040

Phone (04) 560 9147
Fax (04) 560 9133

AUCKLAND
BRANCH

Unit 1, 4 Walls Road
PO Box 12726
Penrose, Auckland 1642

Phone (09) 526 9347

CHRISTCHURCH
BRANCH

44 Halwyn Drive
PO Box 16904
Hornby, Christchurch 8441

Phone (03) 341 2837

For more information on Mitsubishi Electric Heat Pumps, please visit **www.mitsubishi-electric.co.nz**
or call our Customer Service Team on **0800 784 382**

Be sure to ask for Mitsubishi Electric. Other brands share the 3-diamond logo, however they are separate to the Mitsubishi Electric brand and cannot supply the models, features or guarantees outlined in this brochure. | All models, features and specifications are subject to change and amendment at anytime. Printed November 2019.