MITSUBISHI ELECTRIC

Heat Pump Catalogue

Quietly Superior Heat Pumps

Superior Performance Made for New Zealand Conditions

NEW release

Reflect your style with the EcoCore Designer EF Series

Why limit yourself to one colour when you can choose from three?

Personalise your home interiors with the new EcoCore Designer EF Series High Wall Heat Pumps.

Available in Rich Black Diamond, Matte Silver or a Pure White finish, now you can mix and match, blend in or stand out – it's up to you!

The EcoCore Designer EF Series has been developed specifically with both design and function in mind.

The range features advanced filtration, whisper quiet operation and built-in Wi-Fi Control so you'll always come home to perfect comfort.

In addition, more environmentally friendly and more energy efficient R32 refrigerant helps minimise the impact on the environment.

A true achievement in superior performance and looks, the EcoCore Designer EF Series is an investment in all-round comfort, that will never go out of style.

MITSUBISHI ELECTRIC

Contents

The Mitsubishi Electric Advantage

Since releasing our first wall mounted split system room heat pump featuring a line flow fan in 1968, Mitsubishi Electric is an established world leader in heat pump technology. Our commitment to rigorous factory testing and continuous investment in R&D ensures products are of the highest quality and feature superior technology. For New Zealand specifically, it has led to industry-leading products being introduced that perform exceptionally well in our harsh and varied climate that we experience across the country throughout the seasons. No wonder so many New Zealanders trust and rely on Mitsubishi Electric engineering to keep them warm when it matters most.

Our Commitment to Sustainability and Energy Efficiency

Since 1988, under its Environmental Vision 2021 and now Environmental Vision 2050 framework, Mitsubishi Electric has been carrying out initiatives to realise a low-carbon, recycling-based society that functions in harmony with nature, reflecting Mitsubishi Electric's resolve to operate as a responsible, eco-minded corporate citizen.

Mitsubishi Electric is a market leader in providing solutions to cool, heat, ventilate and control our homes and buildings.

As a result, a key driver of the Environmental Vision 2050 Mandate is striving for the best and the most environmentally friendly use of energy in buildings by developing zero or low-carbon technologies that consume the least amount of energy with minimal environmental impact.

More Environmentally Friendly R32 Refrigerant

With a global warming potential that is 30% lower compared to older refrigerants such as R410A, next-generation R32 refrigerant has a much lower environmental impact. Furthermore, zero ozone depleting R32 is easier to reuse and recycle.

Energy Efficient EcoCore Inverter Technology

Superior energy efficiency is achieved by incorporating a large, high density heat exchanger, an advanced high efficiency fan motor and a next-generation inverter compressor that uses more efficient R32 refrigerant.

ECOCORE®

Dual Barrier Coating Keeps Internal Components Clean to Maximise Efficient Operation

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 indoor unit clean year-round.

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

Dual Barrier Coating

Energy Saving i-See Sensor

The 3D i-See Sensor enables a new level of energy efficient heating and cooling to be achieved.

This intelligent sensor continuously takes a thermal scan of the room and splits it into 752 three-dimensional zones, measuring the temperature in each zone to detect exactly where people are in a room and direct heating or cooling only where it is needed, maximising energy efficiency.

Low Standby Power

Most models across our range feature our cutting-edge power reduction technology and has seen the standby power reduce to only 1W. This is a reduction of around 80% on the allowable 5W standby power maximum.

1 watt
Low Standby Power
5W Regular Standby

Be Smart and Energy Efficient With Wi-Fi Control

Mitsubishi Electric Wi-Fi Control offers more than being able to simply preheat or precool rooms before you arrive home.

Forgot to turn off your heat pump? Heat pumps mistakenly left running can quickly be identified at a glance and simply turned off no matter where you are, saving you from nasty surprises on your power bill!

Measuring Energy Efficiency

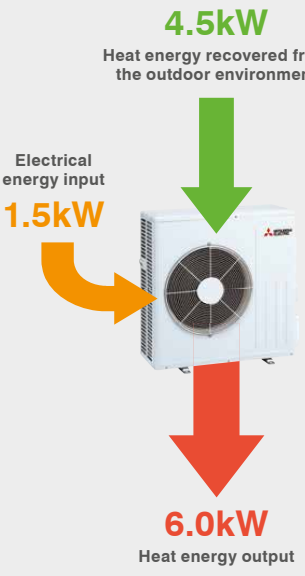
Energy efficiency is measured for every heat pump with a standardised COP and EER rating.

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. The LN50 has a Rated COP* of 4.0, as seen in the example pictured.

EER and COP are measured against standardised rating conditions (AS/NZS 3823*), actual EER/COP vary depending on ever changing ambient conditions.

LN50 RATED COP = 4.0
(AS/NZS 3823 standardised rating conditions*)



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

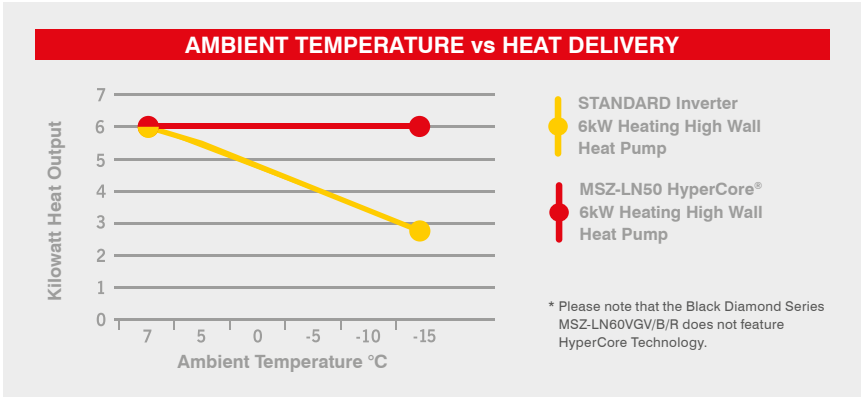
Guaranteed Heating, Even on the Coldest Days

Did you know ordinary heat pumps start to produce less heat below 7°C? The reduction in heat output is especially noticeable when temperature drops below zero. This is because at these low temperature conditions ordinary heat pumps can really struggle to cope.

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, we guarantee this right down to -15°C! It's our promise 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.

"HyperCore heat pumps guarantee full rated heating capacity right down to -15°C."



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

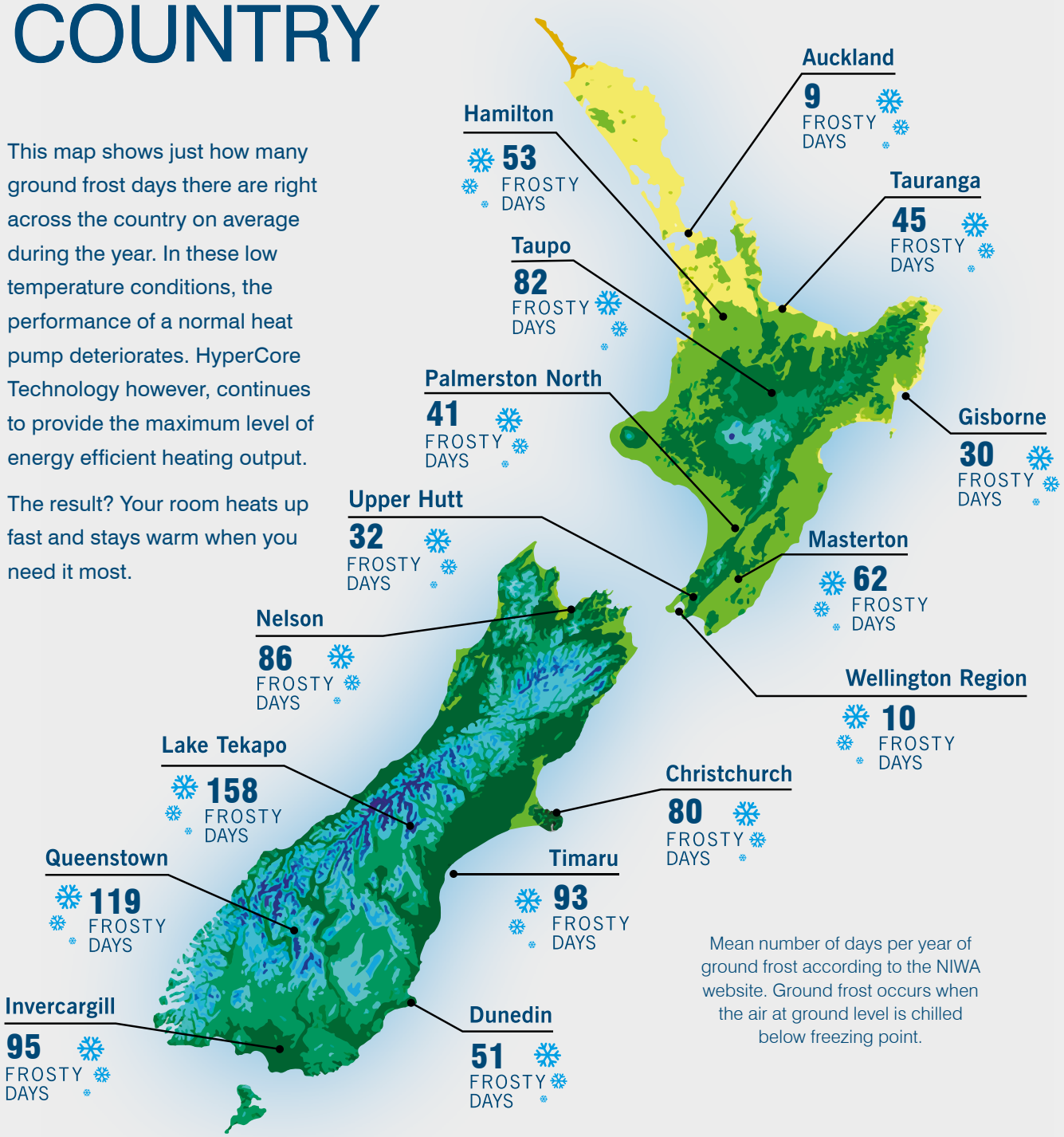
When temperatures drop below zero degrees, ice will build up on the outdoor unit of any heat pump. How the heat pump reacts to this determines how effective it will be in providing heat to your home. To remove the ice build-up the heat pump will need to go into Defrost Mode. During this time the heat 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®

THIS IS HYPERCORE® COUNTRY

This map shows just how many ground frost days there are right across the country on average during the year. 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.

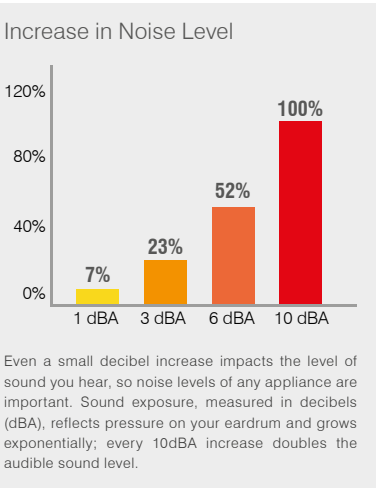
HyperCore Heat Pump Models

Our Black Diamond LN High Wall Heat Pump 2.5kW – 5.0kW models come standard with HyperCore Technology. Our RapidHeat KW Floor Console Range includes a 5.0kW and a 6.0kW model with optional HyperCore Technology.

NZ Median Annual Average Temperature Map reproduced with permission from NIWA.

New Zealand's Quietest Heat Pumps

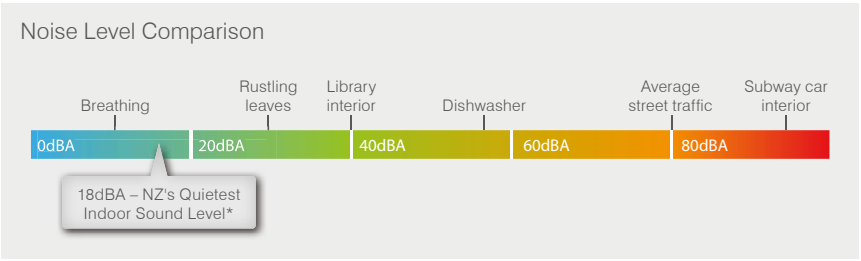
Mitsubishi Electric consistently produces heat pumps which are not only feature-rich and efficient, but also very, very quiet. We recognise that noise affects comfort, so we constantly work to ensure our heat pumps are as quiet as possible. Starting from just 18dBA*, our high wall and floor console indoor 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.

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.

* MSZ-AP25 and MFZ-KW25/35/42 indoor sound level on lowest fan speed in Heating Mode.

Invest in the Best

Mitsubishi Electric is a market leader in energy efficient home comfort solutions. Through constant development and use of cutting-edge, innovative technologies, our heat pumps have become more durable, less costly to operate, quieter and easier to install and maintain.

Quality you can rely on:

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

Superior Heat Pump Technology – Designed in Japan for New Zealand Conditions

Since releasing our first wall mounted split system room heat pump featuring a line flow fan in 1968, Mitsubishi Electric is an established world leader in heat pump technology ever since.

Staying at the forefront of technology is of utmost importance to Mitsubishi Electric. Our commitment to rigorous factory testing and continuous investment in R&D ensures products are of the highest quality and feature superior technology.

Designed for Heating

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.

Buying Quality Saves Money in the Long Run

While buying a budget friendly product may seem cost-effective upfront, those items often end up wearing out or breaking long before their time.

Investing in a higher quality product however, is likely to last and save you money in the long run.

As a heat pump is likely to be used often, it makes sense to purchase a quality brand. This will give you the peace of mind that over time, it will not require as much maintenance or earlier than anticipated replacement.

Helping Create Warmer, Drier and Healthier Homes

Extensive research has shown a link between cold, damp and mouldy homes and negative health outcomes, particularly for illnesses such as asthma and cardiovascular conditions.

A heat pump is one of the most energy efficient appliances to combat this. Furthermore, specific models in our range feature some of the most advanced filtration systems available, making them ideal for those suffering from asthma or allergies.

Nationwide Trained Specialist Installation Network

Mitsubishi Electric Heat Pumps are installed through an extensive network of trained specialist dealers. This ensures you are supported with a superior level of product and installation quality.

Comprehensive 5 Year Warranty

Peace of mind is assured with your choice of Mitsubishi Electric Heat Pumps – supported by a comprehensive 5 year parts and labour warranty.

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!

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

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 AP Series

R32

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!

from 18dBA*

Fan Coil

Heat Exchanger

DB

Dual Barrier Coating

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.

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

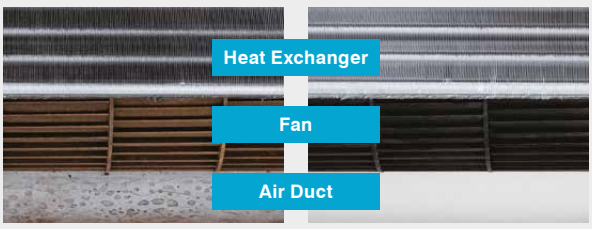
The patented and world's first Dual Barrier Coating from Mitsubishi Electric prevents dust and dirt from accumulating on the inner surface of the indoor unit; keeping your heat pump clean year-round.

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.

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.

Energy Efficient EcoCore Inverter Technology

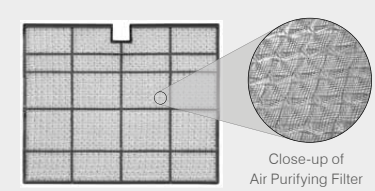
Superior energy efficiency is achieved by incorporating a large, high density heat exchanger, an advanced high efficiency fan motor and a next-generation inverter compressor that uses more efficient R32 refrigerant.

More Environmentally Friendly R32 Refrigerant

With a global warming potential that is 30% lower compared to older refrigerants such as R410A, next-generation R32 refrigerant has a much lower environmental impact. Furthermore, zero ozone depleting R32 is easier to reuse and recycle.

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.



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 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 distance.

Blue Fin Coating – Built to Withstand the Elements

The heat exchanger of the outdoor unit has been treated with Blue Fin Anti-Corrosion Treatment, slowing the corrosion process caused by salt and sulphur in the air especially in coastal and high sulphur areas.

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.

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

Dimensions (WxDxH): 798 x 219 x 299mm

MSZ-AP25VGKD
Heating Capacity: 3.2 kW | Cooling Capacity: 2.5 kW

MSZ-AP35VGKD
Heating Capacity: 3.7 kW | Cooling Capacity: 3.5 kW

MSZ-AP42VGKD
Heating Capacity: 5.4 kW | Cooling Capacity: 4.2 kW

MSZ-AP50VGKD
Heating Capacity: 6.0 kW | Cooling Capacity: 5.0 kW

Dimensions (WxDxH): 1100 x 257 x 325mm

MSZ-AP60VGKD
Heating Capacity: 6.8 kW | Cooling Capacity: 6.0 kW

MSZ-AP71VGKD
Heating Capacity: 8.0 kW | Cooling Capacity: 7.1 kW

MSZ-AP80VGKD
Heating Capacity: 9.0 kW | Cooling Capacity: 7.8 kW

* AP60/71/80 models only.

AP Mini

The AP Mini High Wall Heat Pump brings leading-edge technology and features in New Zealand's smallest† high wall indoor unit. The perfect solution for bedrooms or small rooms where space is at a premium. Pint-sized but big on performance, the AP Mini is packed with features that maximise energy efficiency.

Meet the Mighty Mini

New Zealand's Smallest† High Wall Indoor Unit

Specifically designed where space is at a premium, the **250mm high by 760mm wide** footprint makes it ideal for positioning above doorways in bedrooms and home offices. Now smaller spaces no longer need to miss out on year-round comfort.

Small Enough to Fit Above Doorways

With a 16.4%* size reduction in height and 5% reduction in width when compared to the bigger EcoCore AP 25-50 models, they can even be installed in very tight places that would traditionally not have been possible such as above doorways.

Energy Efficient EcoCore Inverter Technology

Superior energy efficiency is achieved by incorporating a large, high density heat exchanger, an advanced high efficiency fan motor and a next-generation inverter compressor that uses more efficient R32 refrigerant.

More Environmentally Friendly R32 Refrigerant

With a global warming potential that is 30% lower compared to older refrigerants such as R410A, next-generation R32 refrigerant has a much lower environmental impact. Furthermore, zero ozone depleting R32 is easier to reuse and recycle.

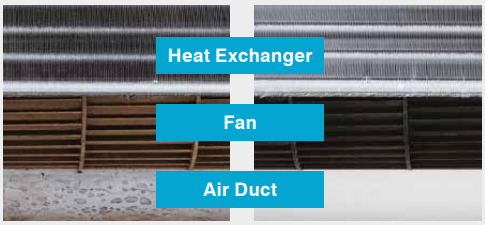
*Indoor unit height compared to the MSZ-AP25/35/42/50 range.
†Indoor unit total volume size of 0.034m³

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. By keeping your heat pump clean year-round you can rest assured your heat pump will always perform at its best.

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

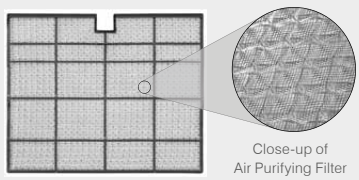
(Factory simulated in-house comparison.)



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

Washable Air Purifying Filter

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

Blue Fin Coating – Built to Withstand the Elements

The heat exchanger of the outdoor unit has been treated with Blue Fin Anti-Corrosion Treatment, slowing the corrosion process caused by salt and sulphur in the air especially in coastal and high sulphur areas.

7-Day Programmable Controller

The AP Mini Heat Pump comes 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.

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

Dimensions (WxDxH): 760 x 178 x 250mm

MSZ-AP20VGD

Heating Capacity: 2.5 kW | Cooling Capacity: 2.0 kW

OPTIONAL Wi-Fi CONTROL*

* Wi-Fi adapter must be mounted externally.

Classic AP Series

The Classic AP Series High Wall Heat Pumps set a new standard in super energy efficient heating. And starting at just 18dBA*, it's NZ's quietest – ideal for living rooms and bedrooms!

NEW release

from 18dBA*

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.

Dual Barrier Coating

Dual Barrier Coating Maximises Efficient Performance

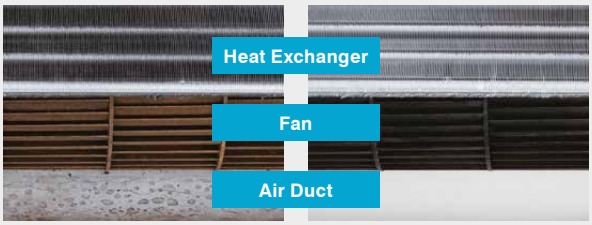
The patented and world's first Dual Barrier Coating from Mitsubishi Electric prevents dust and dirt from accumulating on the inner surface of the indoor unit; keeping your heat pump clean year-round.

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.

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

R32

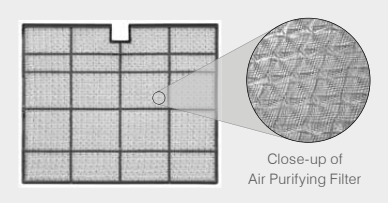
Next-Generation R32 Technology

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 super efficient and more environmentally friendly R32 refrigerant.

* AP25 indoor sound level on lowest fan setting in Heating Mode.

Washable Air Purifying Filter

The Classic 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 Classic 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 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 distance.

Blue Fin Coating – Built to Withstand the Elements

The heat exchanger of the outdoor unit has been treated with Blue Fin Anti-Corrosion Treatment, slowing the corrosion process caused by salt and sulphur in the air especially in coastal and high sulphur areas.

7-Day Programmable Controller

All Classic AP Series High Wall 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. The 7-Day Controller is the perfect way to maximise energy efficiency without compromising on 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.

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

Dimensions (WxDxH): 798 x 219 x 299mm

MSZ-AP25VGD
Heating Capacity: 3.2 kW | Cooling Capacity: 2.5 kW

MSZ-AP35VGD
Heating Capacity: 3.7 kW | Cooling Capacity: 3.5 kW

MSZ-AP42VGD
Heating Capacity: 5.4 kW | Cooling Capacity: 4.2 kW

MSZ-AP50VGD
Heating Capacity: 6.0 kW | Cooling Capacity: 5.0 kW

Dimensions (WxDxH): 1100 x 257 x 325mm

MSZ-AP60VGD
Heating Capacity: 6.8 kW | Cooling Capacity: 6.0 kW

MSZ-AP71VGD
Heating Capacity: 8.0 kW | Cooling Capacity: 7.1 kW

MSZ-AP80VGD
Heating Capacity: 9.0 kW | Cooling Capacity: 7.8 kW

OPTIONAL Wi-Fi CONTROL†

* AP60/71/80 models only.
† Wi-Fi adapter must be mounted externally.

Large Capacity AS90 High Wall

NEW release

Combining powerful performance in an elegant and compact case, the AS90 offers high airflow, making it ideal for light commercial applications such as schools, halls, and open plan shared spaces.

The Ideal Solution for Large Spaces

Boasting a capacity of 9.0kW in cooling (10.3kW in heating), this model features next-generation R32 high-efficiency compressor technology, developed and engineered to use less power than ever before. The Wide and Long Airflow Mode, in addition to Powerful Mode, ensures far-reaching coverage making the AS90 ideal for larger, open working spaces.

R32

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 super efficient and more environmentally friendly R32 refrigerant.

POWERFUL

Powerful Mode

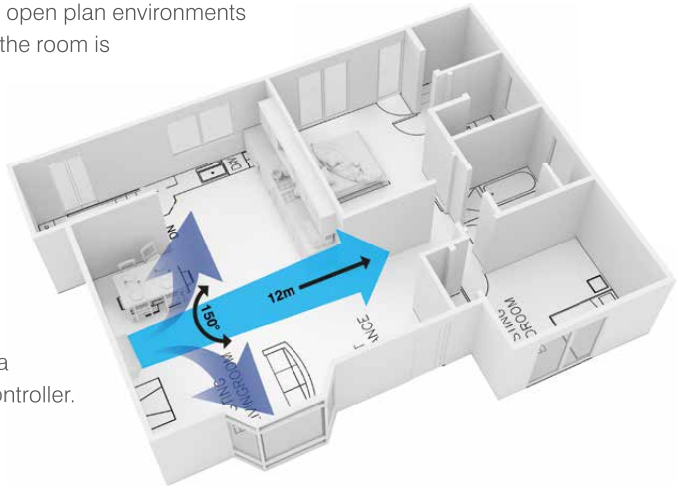
The one-touch Powerful Mode automatically adjusts the fan speed and temperature, guaranteeing full power operation within 15 minutes for faster heating or cooling. After 15 minutes, the unit automatically returns to its previous operation settings.

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.

WIDE LONG

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.

Two Stage Advanced Filtration

The AS90 High Wall 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.

Econo Cool Function

This intelligent temperature control feature adjusts the airflow distributed in the room depending on the air outlet temperature. Temperature settings can be raised by 2°C without any loss of in-room comfort. That's equal to a gain of up to 20% in energy efficiency.

i-Save Mode

Saves temperature and fan speed combinations, including a set-back temperature of 10°C in Heating Mode when the room is unoccupied. This means that the system will use less energy to reach the desired temperature once the room is reoccupied.

Blue Fin Coating – Built to Withstand the Elements

The heat exchanger of the outdoor unit has been treated with Blue Fin Anti-Corrosion Treatment, slowing the corrosion process caused by salt and sulphur in the air especially in coastal and high sulphur areas.

Night Mode

Night Mode will automatically dim the operation indicator light, displaying any beeping from the indoor unit. Furthermore, the outdoor operating noise level is reduced by 3dBA ensuring quiet nights for both you and your neighbours.

7-Day Programmable Controller

The Large Capacity AS90 High Wall Heat Pump System features a built-in weekly timer, allowing you to program up to four time and temperature settings for each day of the week. The 7-Day Controller is the perfect way to maximise energy efficiency without compromising on 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.

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

Dimensions (WxDxH): 1170 x 295 x 365mm

MSZ-AS90VGD

Heating Capacity: 10.3 kW | Cooling Capacity: 9.0 kW

OPTIONAL Wi-Fi CONTROL

* For voice control you will need a smart speaker/display/assistant/phone compatible with Amazon Alexa or Google Assistant

EcoCore Designer EF Series

The new EcoCore Designer EF Series features exceptional energy efficiency and built-in Wi-Fi Control. Elegant and slimline in design, these heat pumps are available in a choice of colours including Rich Black Diamond, Matte Silver or new Pure White – so you can truly reflect your interior design style.

Why Limit Yourself to One Colour When You Can Choose from Three?

Personalise your home interior with the new EcoCore Designer EF Series High Wall Heat Pump. Available in a Rich Black Diamond, Matte Silver or new Pure White finish, now you can mix and match, blend in or stand out – it's up to you!

The Designer EF Series has been developed specifically with both good design and function in mind. The range features advanced filtration, whisper quiet operation and built-in Wi-Fi Control so you'll always come home to perfect comfort. In addition, more environmentally friendly and energy efficient R32 refrigerant helps minimise the impact on the environment.

The slimline Designer EF Series is a true achievement in superior performance and looks. It's an investment in all-round comfort that will never go out of style.

Energy Efficient EcoCore Inverter Technology

Superior energy efficiency is achieved by incorporating a large, high density heat exchanger, an advanced high efficiency fan motor and a next-generation inverter compressor that uses more efficient R32 refrigerant.

More Environmentally Friendly R32 Refrigerant

With a global warming potential that is 30% lower compared to older refrigerants such as R410A, next-generation R32 refrigerant has a much lower environmental impact. Furthermore, zero ozone depleting R32 is easier to reuse and recycle.

Designer Series

Award-Winning Timeless Design

reddot design award

The Designer EF Series features a distinctive contemporary, slimline profile and has been awarded the prestigious Red Dot Design Award 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.

Dimensions (WxDxH): 885 x 195 x 299mm

MSZ-EF25VGKW/B/S
Heating Capacity: 3.2 kW | Cooling Capacity: 2.5 kW

MSZ-EF35VGKW/B/S
Heating Capacity: 4.0 kW | Cooling Capacity: 3.5 kW

MSZ-EF42VGKW/B/S
Heating Capacity: 5.4 kW | Cooling Capacity: 4.2 kW

MSZ-EF50VGKW/B/S
Heating Capacity: 5.8 kW | Cooling Capacity: 5.0 kW

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.

Quiet Operation

Designer EF Series indoor units feature Silent Mode – a fan speed setting that provides quiet operation as low as 19dBA* so you will feel the warmth, not hear it.

from 19dBA*

Blue Fin Coating – Built to Withstand the Elements

The heat exchanger of the outdoor unit has been treated with Blue Fin Anti-Corrosion Treatment, slowing the corrosion process caused by salt and sulphur in the air especially in coastal and high sulphur areas.

7-Day Programmable Controller

All Designer EF 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.

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

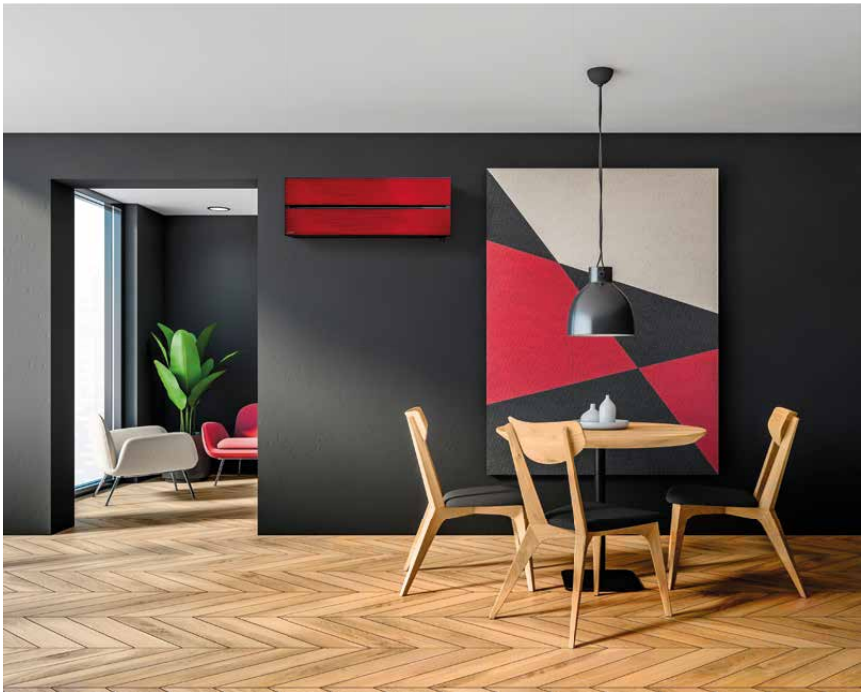
With built-in Wi-Fi Control you can pre-heat or cool a room no matter where you are. On the way home, running late, coming home early, or even when you're in a different country, with Wi-Fi Control you'll always arrive home to total comfort.

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

* EF25 indoor sound level on lowest fan setting in Cooling Mode.

Black Diamond LN Series

The Black Diamond LN 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 LN 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.

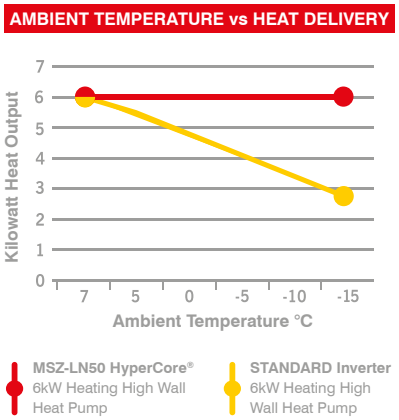
Now you can make a real interior design style statement with your heat pump colour choice.

HyperCore as Standard*

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

While ordinary heat pumps produce less heat below 7°C, 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.

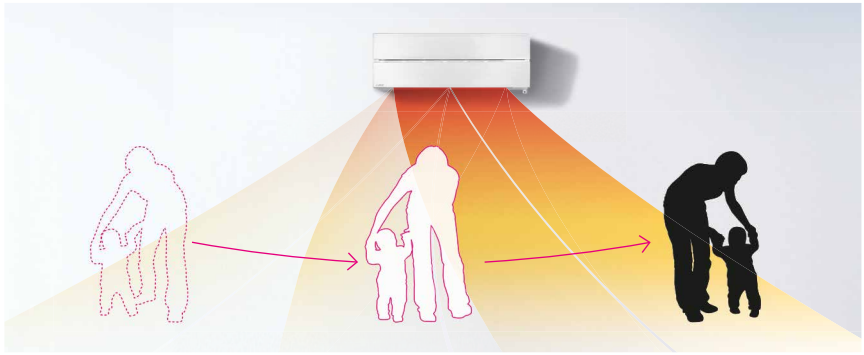
See page 4 for more details on our HyperCore Technology.



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

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 LN Series do more than simply save energy, it also enables a new level of truly personalised comfort to be achieved.



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

Thermal Scan Technology

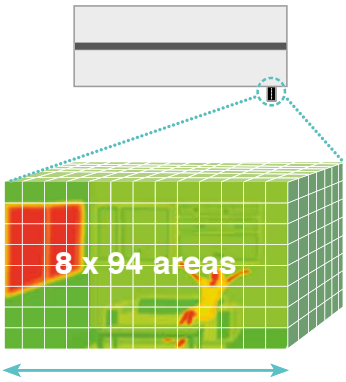
The 3D i-See Sensor continually takes a thermal scan of the room, dividing it into 752 three-dimensional zones and measuring the temperature in each zone to detect exactly where people are in a room.

8 sensors measure while moving left to right

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.



752 three-dimensional zones

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.

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.

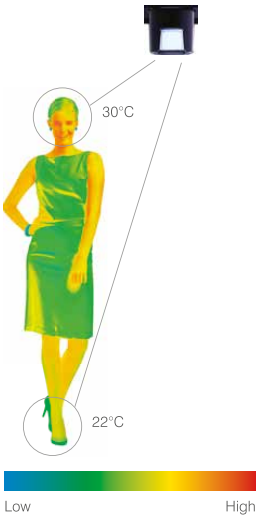
Only one occupant feels direct heat.

With Split Vane both occupants feel direct heat.

Even Airflow – Airflow Only Where You Need It

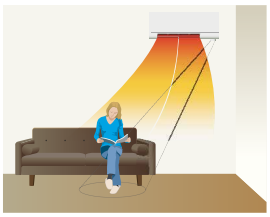
With Even Airflow Mode, the 3D i-See Sensor memorises people's movements and furniture positions, efficiently distributing airflow only to where it is needed.

Black Diamond LN Series

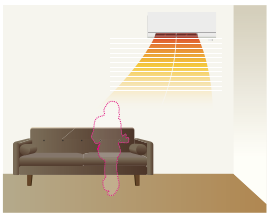


Energy Saving No Occupancy Modes

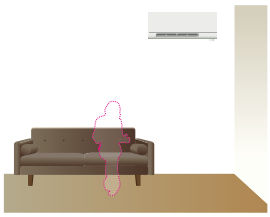
The 3D i-See Sensor detects whether or not there are people in the room, and automatically switches to one of the No Occupancy Modes, as set by the user.



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



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



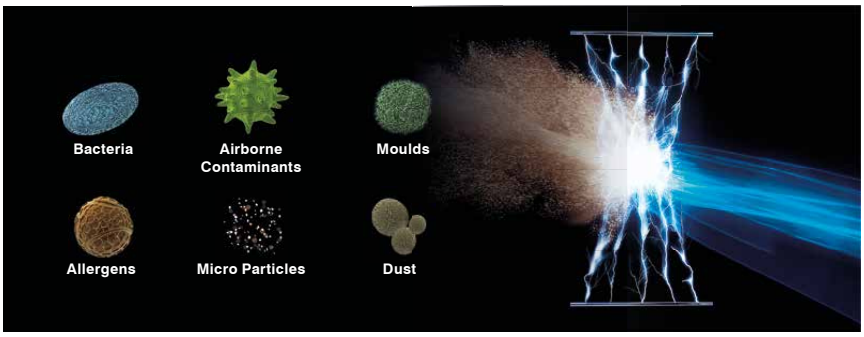
In Auto-Off Mode – unit switches off when you leave the room

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.

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.

The Two Stage 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!).



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

Superior Energy Efficiency

Black Diamond LN Series Heat Pumps are some of the most energy efficient heat pumps available in New Zealand.

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.

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.

More Environmentally Friendly R32 Refrigerant

With a global warming potential that is 30% lower compared to older refrigerants such as R410A, next-generation R32 refrigerant has a much lower environmental impact. Furthermore, zero ozone depleting R32 is easier to reuse and recycle.

Blue Fin Coating – Built to Withstand the Elements

The heat exchanger of the outdoor unit has been treated with Blue Fin Anti-Corrosion Treatment, slowing the corrosion process caused by salt and sulphur in the air especially in coastal and high sulphur areas.

Quiet Operation

Black Diamond LN indoor units feature Silent Mode – a fan speed setting that provides quiet operation as low as 19dBA* so you will feel the warmth, not hear it.

7-Day Programmable Controller

All Black Diamond LN 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.

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.

Wi-Fi Control is Amazon Alexa and Google Home enabled so you can take your comfort to the next level and enjoy hands-free heat pump control. See pages 8–9 for more details on Wi-Fi Control.

Dimensions (WxDxH): 890 x 233 x 307mm

MSZ-LN25VG2V/B/R
Heating Capacity: 3.2 kW | Cooling Capacity: 2.5 kW

MSZ-LN35VG2V/B/R
Heating Capacity: 4.0 kW | Cooling Capacity: 3.5 kW

MSZ-LN50VG2V/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

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

from 19dBA*

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

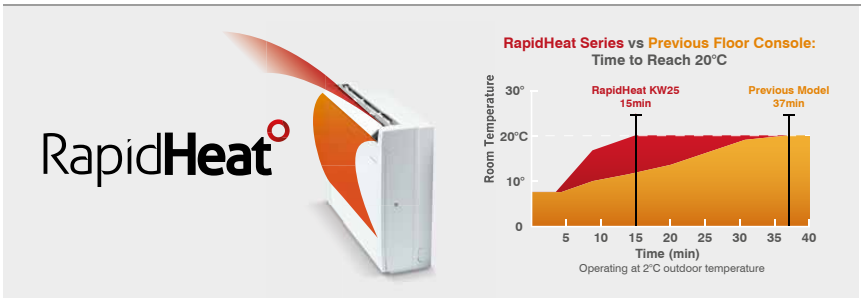
RapidHeat KW Series

New Zealand's quietest floor consoles* feature a contemporary slimline design and dramatically reduced depth. RapidHeat KW 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 KW Floor Consoles are New Zealand's quietest floor console heat pumps starting from just 18dBA*. 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



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.†

from 18dBA*

Sleek, Sophisticated Design

Mitsubishi Electric RapidHeat KW 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.

More Environmentally Friendly R32 Refrigerant

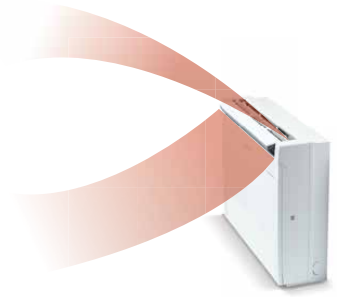
With a global warming potential that is 30% lower compared to older refrigerants such as R410A, next-generation R32 refrigerant has a much lower environmental impact. Furthermore, zero ozone depleting R32 is easier to reuse and recycle.

*MFZ-KW25/35/42 indoor sound level on lowest fan setting.
†Compared to the previous MFZ-KA Series

RapidHeat

Multi Vane Flow for Even Heat Distribution

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.



Anti-Allergy Enzyme Filter

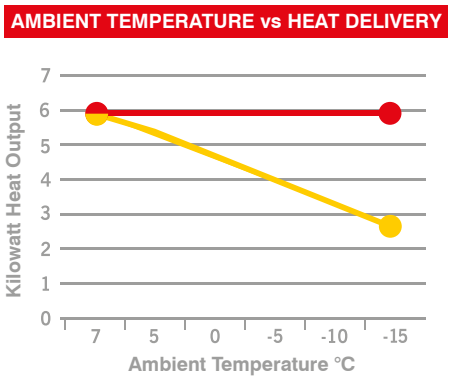
In addition to a washable Air Purifying Filter, the RapidHeat KW Series features an Anti-Allergy Enzyme Filter which utilises enzyme catalysts to filter allergens and remove harmful bacteria.

7-Day Programmable Controller

All RapidHeat KW Series Floor Consoles 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.

Optional HyperCore Technology

The RapidHeat KW Series Floor Consoles come with optional HyperCore Technology. While ordinary heat pumps produce less heat below 7°C, Mitsubishi Electric HyperCore Technology continues to deliver its full rated heating capacity right down to -15°C, so you stay warm when you need it most. See page 4 for more details on our HyperCore Technology.



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.

Wi-Fi Control is Amazon Alexa and Google Home enabled so you can take your comfort to the next level and enjoy hands-free heat pump control. See pages 8–9 for more details on Wi-Fi Control.

Dimensions (WxDxH): 750 x 215 x 600mm

MFZ-KW25VG
Heating Capacity: 3.4 kW | Cooling Capacity: 2.5 kW

MFZ-KW35VG
Heating Capacity: 4.3 kW | Cooling Capacity: 3.5 kW

MFZ-KW42VG
Heating Capacity: 5.4 kW | Cooling Capacity: 4.2 kW

MFZ-KW50VG
Heating Capacity: 5.8 kW | Cooling Capacity: 5.0 kW

MFZ-KW60VG
Heating Capacity: 6.5 kW | Cooling Capacity: 6.1 kW

HYPERCORE®

MFZ-KW50VGHZ
Heating Capacity: 5.8 kW | Cooling Capacity: 5.0 kW

MFZ-KW60VGHZ
Heating Capacity: 6.5 kW | Cooling Capacity: 6.1 kW

HYPERCORE

OPTIONAL Wi-Fi CONTROL

SLZ Cassette Series

Compact and ultra quiet, our range of SLZ 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.

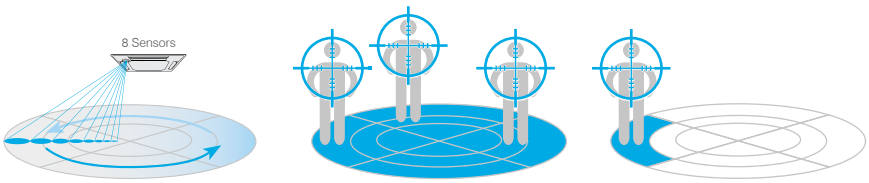
Stylish, Slimline Design

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.

i-see Sensor

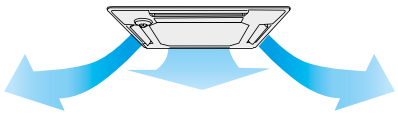
3D i-See Sensor

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 eight 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

Using 4-way vane outlets, 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.

from 25dBA*

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 SLZ Series offers whisper quiet operation.

*SLZ-M25/35 indoor sound level on lowest fan setting.

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.

Long Life Air Cleaning Filter

A built-in filter removes dust and contaminants keeping air purified and deodorised. The washable, long-life filter can be used for up to 2,500 hours with simple maintenance.

More Environmentally Friendly R32 Refrigerant

With a global warming potential that is 30% lower compared to older refrigerants such as R410A, next-generation R32 refrigerant has a much lower environmental impact. Furthermore, zero ozone depleting R32 is easier to reuse and recycle.

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.

7-Day Programmable Controller

The handheld or wall mounted controller features 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.

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.

Wi-Fi Control is Amazon Alexa and Google Home enabled so you can take your comfort to the next level and enjoy hands-free heat pump control. See pages 8–9 for more details on Wi-Fi Control.

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

SLZ-M25FA
Heating Capacity: 3.0 kW | Cooling Capacity: 2.5 kW

SLZ-M35FA
Heating Capacity: 4.0 kW | Cooling Capacity: 3.5 kW

SLZ-M50FA
Heating Capacity: 5.0 kW | Cooling Capacity: 5.0 kW

SLZ-M60FA
Heating Capacity: 6.0 kW | Cooling Capacity: 5.6 kW

OPTIONAL Wi-Fi CONTROL

OmniCore Multi Room Systems

While a standard heat pump system consists of an indoor and outdoor unit, an OmniCore Multi Room Heat Pump System allows you to connect multiple indoor units, up to eight, with just one OmniCore 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.

Connect One Outdoor to Multiple Indoor Units

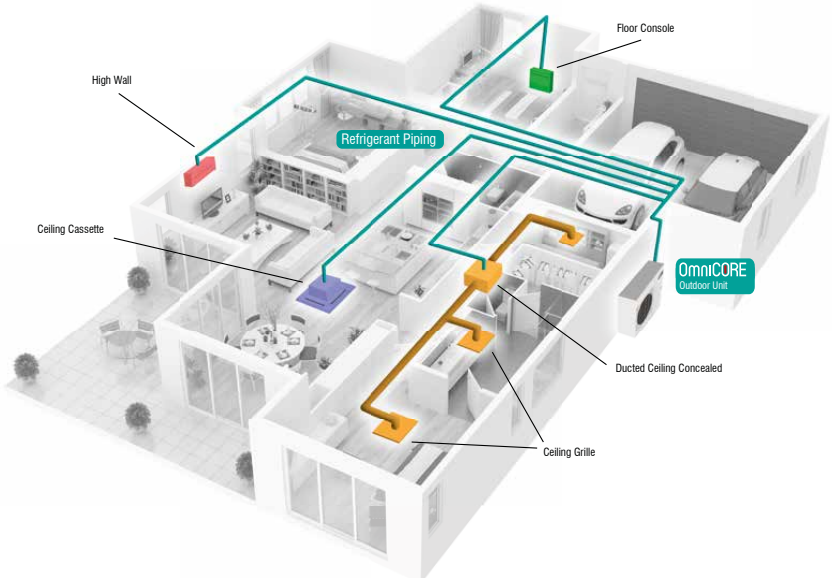
An OmniCore Multi Room Heat Pump System not only gives you the freedom to select the indoor model best suited to each and every room in your home, it also enhances exterior aesthetics by reducing the number of outdoor units required.

With an OmniCore 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.

OmniCORE

The Heart of Multi Room



Style for Each and Every Room

With an OmniCore 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 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 OmniCore Multi Room System matches the energy load of the indoor units desired with the appropriate OmniCore 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.

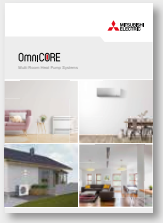
Individual Temperature Control for Each Room

The OmniCore 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.

Future-Proof and Add Units as Your Family Grows

With the OmniCore 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 four room system could be installed with only two 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 OmniCore outdoor unit.

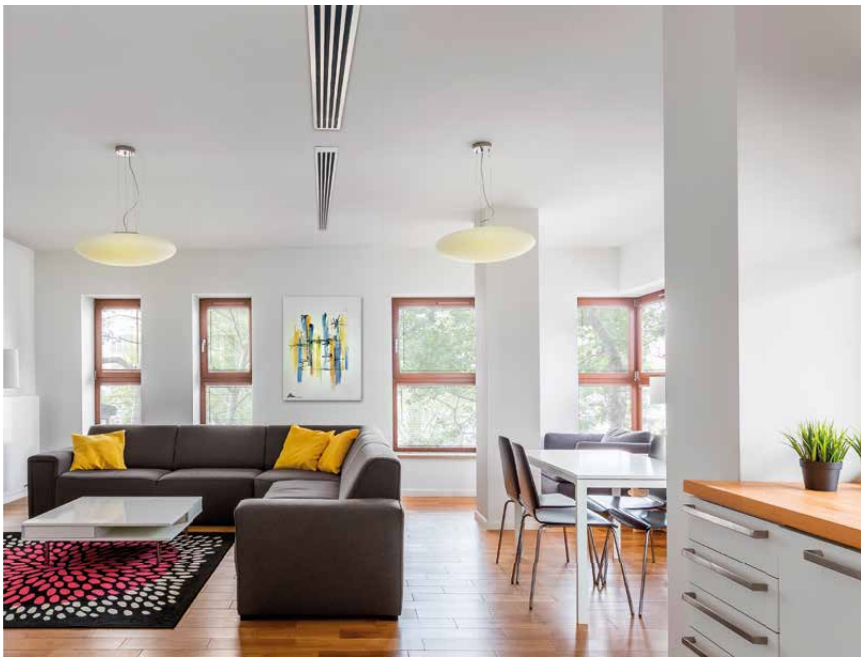
- ✔ **Only one outdoor**
- ✔ **Choose from high walls, floor consoles, ducted or cassettes**
- ✔ **Energy efficient**
- ✔ **From 1 to 8 room solutions**
- ✔ **Whisper quiet**
- ✔ **Optional Wi-Fi Control**
- ✔ **Optional Zone Control (ducted indoors only)**



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

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

With a global warming potential that is 30% lower compared to older refrigerants such as R410A, next-generation R32 refrigerant has a much lower environmental impact. Furthermore, zero ozone depleting R32 is easier to reuse and recycle.

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.

Wi-Fi Control is Amazon Alexa and Google Home enabled so you can take your comfort to the next level and enjoy hands-free heat pump control. See pages 8–9 for more details on Wi-Fi Control.

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 (5kW~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.

Wide Selection of Fan Speeds and External Static Pressure

All PEAD models incorporate five-stage external static pressure conversions and three fan speed selections, offering the ultimate in comfort diversity. With a wide range of adjustable static pressures (35-125Pa), PEAD Series units are applicable to a wide range of building types and applications.

PEAD-M50JAA
Heating Capacity: 6.0 kW | Cooling Capacity: 5.0 kW

PEAD-M60JAA
Heating Capacity: 7.0 kW | Cooling Capacity: 6.0 kW

PEAD-M71JAA
Heating Capacity: 8.0 kW | Cooling Capacity: 7.1 kW

PEAD-M100JAA
Heating Capacity: 11.2 kW | Cooling Capacity: 10.0 kW

PEAD-M125JAA
Heating Capacity: 14.0 kW | Cooling Capacity: 12.5 kW

PEAD-M140JAA
Heating Capacity: 16.0 kW | Cooling Capacity: 14.0 kW

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, the PEA Series offer high airflow rates for whole home comfort, with complete flexibility in duct design.

PEA-M100GAA
Heating Capacity: 11.2 kW | Cooling Capacity: 10.0 kW

PEA-M125GAA
Heating Capacity: 14.0 kW | Cooling Capacity: 12.5 kW

PEA-M140GAA
Heating Capacity: 16.0 kW | Cooling Capacity: 14.0 kW

Optional Zone Controllers

The optional Zone Controller brings intuitive yet simple control to a whole new level, with the ability to control up to eight zones, automatic unloading/ramping and energy saving sensor functions.

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

PEA-RP170WJA
Heating Capacity: 20.0 kW | Cooling Capacity: 16.0 kW

PEA-RP200WJA
Heating Capacity: 22.4 kW | Cooling Capacity: 18.9 kW

PEA-RP250WHA
Heating Capacity: 25.0 kW | Cooling Capacity: 22.0 kW

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

How to Read the New Zoned Energy Usage Rating Label

Heat pumps have adopted a new energy rating scale and label, based on the international Seasonal Energy Efficiency Ratio (SEER) methodology which identifies how air conditioners perform in different climate zones. The new rating scale assesses winter heating performance more accurately for New Zealand consumers.

Cooling

This example tells you that if the temperature outside is hot (35°C), then the air conditioner can provide 2.5 kilowatts (kW) of cooling.

Product

This is the brand and model of the heat pump, so you can be sure you are looking at the right information for the right unit.

Location

There are three bands of ratings, for HOT, AVERAGE and COLD areas in Australia and New Zealand. Use the map to see which band you should use.

As you can see, New Zealand is in a black 'COLD' area — therefore refer to the black COLD ratings.

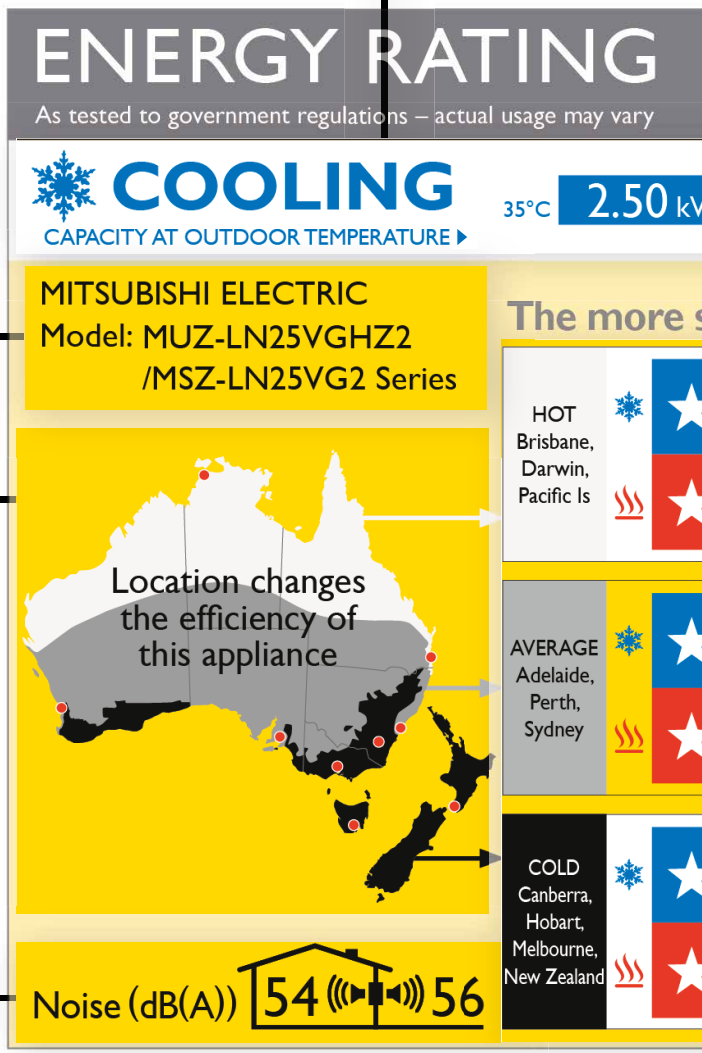
Noise

This indicates how much noise the heat pumps will make when operating at full power.

For heat pumps with both internal and external components such as a split system, there are separate inside and outside noise ratings. The sound level may be important if the outdoor unit is near a window, bedrooms or close to a neighbour's house (particularly in a body corporate situation where there may be specific requirements).

Note: The noise levels on the label are measured with the unit running at full capacity in cooling mode. For much of the time a heat pump is running, its noise level will be lower than the level indicated on the label.

BDT will continue to promote and display on our website and promotional features the sound level at its lowest fan speed.



Heating

This tells you how much heating the heat pump can provide based on two different conditions and testing scenarios.

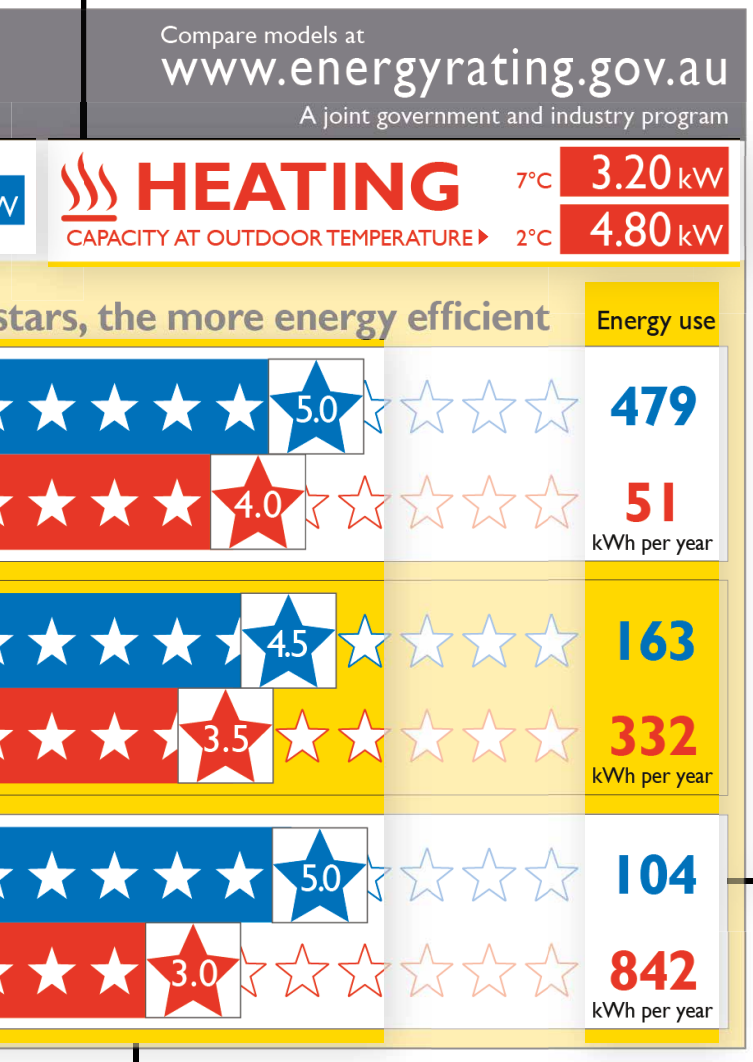
a. 3.2KW at 7°C - The product is tested to the old MEPS measurement at 7°C which locks the compressor at a lower energy level as part of the original test standard methodology. This is the way that products have been rated for many years and will continue to be used to determine the minimum energy performance allowing the authorities a constant bench mark between the old test standards and the new seasonal test standards.

b. 4.8KW at 2 °C - This is the true rated output power at 2°C when the compressor is not locked for MEPS testing.

As part of the process of heating a room, the outside of an air conditioner expels cold air.

Often the outdoor unit will have to deal with frost at outside temperatures of less than 5.5°C so as it gets colder outside, more heating is required to maintain the indoor temperature.

Some air conditioners are better able to provide this extra heating. Showing the heating capacity at 2°C gives an indication of how well the heat pump can cope with frost and low temperatures.



Energy

This gives an indication of how much electricity the heat pump will use each year for cooling and heating. The lower the kilowatt hours (kWh) used, the lower the cost to run the unit. If customers know their electricity tariff, you can multiply it by this rate to estimate the cost to run the heat pump per year.

Star Rating

This tells you how efficient the heat pump is:

- the **blue** stars show how efficient it is at cooling
- the **red** stars show how efficient it is at heating

The new label takes into account a heat pump's perfomance over a range of temperatures.

The stars between the old and new labels are not the same, so you are unable to compare the stars on a product with the old label and another product with the new label. It is also not possible to convert the old stars to the new stars.

The star ratings on the old label measured how much cooling or heating output was achieved per unit of power. It related to the efficiency of the heat pump at a particular temperature but did not take into account consumer usage patterns to determine typical electricity use.

The star ratings on the new label reflect how the heat pump will perform over a range of temperatures and allows an annual electricity figure to be calculated. This makes the new label more like the energy rating labels on other appliances such as fridges, televisions and washing machines, where you can also see a 'kWh per year' energy use figure.

Specifications

QUICK GLANCE	TYPE			High Wall System												
	SERIES			EcoCore AP Series – Built-In Wi-Fi												
	MODEL			MSZ-AP25		MSZ-AP35		MSZ-AP42		MSZ-AP50		MSZ-AP60		MSZ-AP71		MSZ-AP80
	REFRIGERANT			**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***
	ZERL STAR RATINGS	(NZ) Cold Area		**4.5**	**2.5**	**4.0**	**2.5**	**3.5**	**2.0**	**3.5**	**2.0**	**3.5**	**2.0**	**3.0**	**2.0**	**3.0**	**2.0**
		Avge Area‡		4.0	3.0	4.0	3.0	3.0	2.5	3.5	2.5	3.5	2.5	3.0	2.5	3.0	2.5
		Hot Area‡		4.5	3.5	4.0	3.5	3.5	3.0	3.5	3.0	3.5	3.0	3.0	3.0	3.0	3.0
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/AEER			5.00 / 4.97		4.02 / 4.01		3.53 / 3.52		3.79 / 3.78		3.77 / 3.77		3.53 / 3.53		3.31 / 3.30	
	TCSPF Residential (Cold/Avge‡/Hot)			6.04 / 5.88 / 6.26		5.81 / 5.50 / 5.81		5.03 / 4.77 / 5.01		5.29 / 5.03 / 5.28		5.26 / 5.01 / 5.24		4.90 / 4.66 / 4.87		4.78 / 4.52 / 4.72	
	TCSPF Commercial (Cold/Avge‡/Hot)			7.09 / 6.69 / 6.64		6.96 / 6.46 / 6.24		5.96 / 5.54 / 5.37		6.24 / 5.81 / 5.64		6.19 / 5.76 / 5.59		5.74 / 5.35 / 5.19		5.63 / 5.23 / 5.05	
	Indoor Sound Level	Quiet	[dBA]	19		19		26		28		29		30		30	
		Low-SHi[2]	[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 (Rated)		[A]	2.6		4.1		5.3		5.9		7.1		8.8		10.8	
	Air Volume In (SHi[1])		[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 / ACOP			4.78 / 4.75		4.57 / 4.55		3.78 / 3.77		3.70 / 3.70		4.07 / 4.06		3.83 / 3.82		3.53 / 3.53	
	HSPF Residential (Cold/Avge‡/Hot)			4.38 / 4.73 / 5.01		4.24 / 4.74 / 5.16		3.64 / 4.12 / 4.59		3.68 / 4.11 / 4.58		3.94 / 4.33 / 4.74		3.80 / 4.26 / 4.76		3.59 / 4.09 / 4.68	
	HSPF Commercial (Cold/Avge‡/Hot)			4.52 / 4.81 / 4.99		4.47 / 4.89 / 5.15		3.90 / 4.31 / 4.59		3.93 / 4.30 / 4.59		4.15 / 4.49 / 4.73		4.06 / 4.46 / 4.77		3.89 / 4.34 / 4.69	
	Indoor Sound Level	Quiet	[dBA]	18		19		26		28		29		30		30	
		Low-SHi[2]	[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 (Rated)		[A]	3.3		3.8		6.3		7.1		7.4		9.1		11.3	
	Air Volume In (SHi[1])		[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													

ZERL = Zoned Energy Rating Label
TCSPF = Total Cooling Season Performance Factor
HSPF = Heating Season Performance Factor
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
* Indoor 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.
‡ Avge/Hot are Australia only.
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		AP Mini	Classic AP Series - Optional Wi-Fi Only																AS90
	MODEL		MSZ-AP20	MSZ-AP25		MSZ-AP35		MSZ-AP42		MSZ-AP50		MSZ-AP60		MSZ-AP71		MSZ-AP80				MSZ-AS90
	REFRIGERANT		R32																	
	INDOOR UNIT		MSZ-AP20VGD	MSZ-AP25VGD		MSZ-AP35VGD		MSZ-AP42VGD		MSZ-AP50VGD		MSZ-AP60VGD		MSZ-AP71VGD		MSZ-AP80VGD				MSZ-AS90VGD
	OUTDOOR UNIT		MUZ-AP20VG	MUZ-AP25VG		MUZ-AP35VG		MUZ-AP42VG		MUZ-AP50VG		MUZ-AP60VG		MUZ-AP71VG		MUZ-AP80VG				MUZ-AS90VGD
	COOL		2.0kW 4.35 EER 21 dBA*	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*				9.0kW 3.24 EER 30 dBA*
	HEAT		2.5kW 4.17 COP 21 dBA*	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*				10.3kW 3.50 COP 32 dBA*
	ZERL STAR RATINGS	(NZ) Cold Area	3.5	2.0	4.5	2.5	4.0	2.5	3.5	2.0	3.5	2.0	3.5	2.0	3.0	2.0	3.0	2.0	3.5	2.0
		Avge Area‡	3.5	2.5	4.0	3.0	4.0	3.0	3.0	2.5	3.5	2.5	3.5	2.5	3.0	2.5	3.0	2.5	3.0	2.5
		Hot Area‡	3.5	3.0	4.5	3.5	4.0	3.5	3.5	3.0	3.5	3.0	3.5	3.0	3.0	3.0	3.0	3.0	3.5	3.0
COOL	Capacity	Rated [kW]	2.0	2.5		3.5		4.2		5.0		6.0		7.1		7.8				9.0
		Min-Max [kW]	0.6-2.7	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				1.35–10.30
	Input	Rated [kW]	0.46	0.50		0.87		1.19		1.32		1.59		2.01		2.36				2.78
	EER/AEER		4.35 / 4.31	5.00 / 4.97		4.02 / 4.01		3.53 / 3.52		3.79 / 3.78		3.77 / 3.77		3.53 / 3.53		3.31 / 3.30				3.24 / 3.23
	TCSPF Residential (Cold/Avge‡/Hot)		5.29 / 5.15 / 5.50	6.04 / 5.88 / 6.26		5.81 / 5.50 / 5.81		5.03 / 4.77 / 5.01		5.29 / 5.03 / 5.28		5.26 / 5.01 / 5.24		4.90 / 4.66 / 4.87		4.78 / 4.52 / 4.72				5.17 / 4.80 / 5.02
	TCSPF Commercial (Cold/Avge‡/Hot)		6.24 / 5.88 / 5.84	7.09 / 6.69 / 6.64		6.96 / 6.46 / 6.24		5.96 / 5.54 / 5.37		6.24 / 5.81 / 5.64		6.19 / 5.76 / 5.59		5.74 / 5.35 / 5.19		5.63 / 5.23 / 5.05				6.2 / 5.69 / 5.42
	Indoor Sound Level	Quiet [dBA]	21	19		19		26		28		29		30		30				30
		Low-SHi[2] [dBA]	26-30-35-42	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				36–42–48–54
	Running Current (Rated)	[A]	2.6	2.6		4.1		5.3		5.9		7.1		8.8		10.8				12.0
	Air Volume In (SHi[1])	[L/s]	115	205		223		223		258		315		310		343				463
HEAT	Capacity	Rated [kW]	2.5	3.2		3.7		5.4		6.0		6.8		8.0		9.0				10.3
		Min-Max [kW]	0.5-3.5	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				1.60–11.5
		@-15°C [kW]	-	-		-		-		-		-		-		-				-
	Input	Rated [kW]	0.60	0.67		0.81		1.43		1.62		1.67		2.09		2.55				2.94
	COP / ACOP		4.17 / 4.14	4.78 / 4.75		4.57 / 4.55		3.78 / 3.77		3.70 / 3.70		4.07 / 4.06		3.83 / 3.82		3.53 / 3.53				3.50 / 3.50
	HSPF Residential (Cold/Avge‡/Hot)		3.94 / 4.28 / 4.61	4.38 / 4.73 / 5.01		4.24 / 4.74 / 5.16		3.64 / 4.12 / 4.59		3.68 / 4.11 / 4.58		3.94 / 4.33 / 4.74		3.80 / 4.26 / 4.76		3.59 / 4.09 / 4.68				3.51 / 4.01 / 4.57
	HSPF Commercial (Cold/Avge‡/Hot)		4.10 / 4.40 / 4.60	4.52 / 4.81 / 4.99		4.47 / 4.89 / 5.15		3.90 / 4.31 / 4.59		3.93 / 4.30 / 4.59		4.15 / 4.49 / 4.73		4.06 / 4.46 / 4.77		3.89 / 4.34 / 4.69				3.81 / 4.25 / 4.59
	Indoor Sound Level	Quiet [dBA]	21	18		19		26		28		29		30		30				32
		Low-SHi[2] [dBA]	26-30-35-42	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				38–43–47–53
	Running Current (Rated)	[A]	3.2	3.3		3.8		6.3		7.1		7.4		9.1		11.3				12.6
	Air Volume In (SHi[1])	[L/s]	122	190		215		233		268		338		320		320				430
Controller	Standard		7-Day Programmable Controller																	
	Optional Wired 7-Day Timer		Optional: PAR Controller (Interface Required)																	
Wi-Fi			Optional																	
Power Supply	(Powered From Outdoor Unit)		230 V / Single Phase / 50 Hz																	
	Maximum Current	[A]	6.9	7.0		7.1		9.9		14.0		14.0		16.4		16.5				17.6
Indoor	Dimensions (WxDxH)	[mm]	760 x 178 x 250	798 x 219 x 299								1100 x 257 x 325								1170 x 295 x 365
	Weight	[kg]	8.2	10.5								16		17						20
Outdoor	Dimensions (WxDxH)	[mm]	800 x 285 x 550							800 x 285 x 714				840 x 330 x 880						840 x 330 x 880
	Weight	[kg]	31	35		35		36		41		41		55		55				53
	Sound Level - SPL[3]/Power (Cooling-Heating)	[dBA]	47-48 / 59-61	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				56-56 / 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		6.35 / 12.7				6.35 / 12.7
	Max. Length/Height†	[m]	20 / 12	20 / 12		20 / 12		20 / 12		20 / 12		30 / 15		30 / 15		30 / 15				30 / 15
	Chargeless Piping Length	[m]	7	10		10		10		15		15		15		15				15
Operation Range Outdoor	Cooling	[°C]	-10 / 46	-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		-15 / 24		-15 / 24		-15 / 24		-15 / 24				-15 / 24
Indoor Unit Colour			White																	

ZERL = Zoned Energy Rating Label
TCSPF = Total Cooling Season Performance Factor
HSPF = Heating Season Performance Factor
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
* Indoor 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.
‡ Avge/Hot are Australia only.
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			R32														
	INDOOR UNIT			MSZ-EF25VGK		MSZ-EF35VGK		MSZ-EF42VGK		MSZ-EF50VGK		MSZ-LN25VG2		MSZ-LN35VG2		MSZ-LN50VG2		MSZ-LN60VG2
	OUTDOOR UNIT			MUZ-EF25VG		MUZ-EF35VG		MUZ-EF42VG		MUZ-EF50VG		MUZ-LN25VGHZ		MUZ-LN35VGHZ		MUZ-LN50VGHZ		MUZ-LN60VG
	COOL			2.5kW 4.63 EER 19 dBA*		3.5kW 3.85 EER 21 dBA*		4.2kW 3.50 EER 28 dBA*		5.0kW 3.23 EER 30 dBA*		2.5kW 5.10 EER 19 dBA*		3.5kW 4.27 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 4.21 COP 21 dBA*		5.4kW 3.71 COP 28 dBA*		5.8kW 3.72 COP 30 dBA*		3.2kW 5.33 COP 19 dBA*		4.0kW 4.88 COP 19 dBA*		6.0kW 4.00 COP 25 dBA*		6.8kW 3.78 COP 29 dBA*
	ZERL STAR RATINGS	(NZ) Cold Area		4.0	2.5	3.5	2.0	3.0	2.0	3.0	2.0	5.0	3.0	4.0	3.0	3.5	2.5	3.0	2.0
		Avge Area‡		4.0	2.5	3.5	2.5	3.0	2.5	3.0	2.5	4.5	3.5	4.0	3.5	3.0	2.5	3.0	2.5
		Hot Area‡		4.5	3.0	3.5	3.0	3.0	3.0	3.0	2.5	5.0	4.0	4.0	3.5	3.5	3.0	3.0	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]	0.9 - 3.4		1.1 - 4.0		0.9 - 4.6		1.4 - 5.4		0.8 - 3.5		0.8 - 4.0		1.4 - 5.8		1.4 - 6.9	
	Input	Rated	[kW]	0.54		0.91		1.20		1.55		0.49		0.82		1.38		1.73	
	EER/AEER			4.63 / 4.60		3.85 / 3.83		3.50 / 3.49		3.23 / 3.22		5.10 / 5.07		4.27 / 4.25		3.62 / 3.61		3.53 / 3.52	
	TCSPF Residential (Cold/Avge‡/Hot)			5.91 / 5.71 / 6.08		5.25 / 5.02 / 5.29		4.70 / 4.50 / 4.73		4.84 / 4.55 / 4.77		6.61 / 6.38 / 6.81		5.91 / 5.64 / 5.95		5.22 / 4.94 / 5.18		4.87 / 4.64 / 4.85	
	TCSPF Commercial (Cold/Avge‡/Hot)			7.00 / 6.57 / 6.47		6.21 / 5.80 / 5.65		5.52 / 5.15 / 5.03		5.77 / 5.33 / 5.12		7.89 / 7.40 / 7.27		7.03 / 6.55 / 6.37		6.19 / 5.74 / 5.55		5.71 / 5.32 / 5.17	
	Indoor Sound Level	Quiet	[dBA]	19		21		28		30		19		19		27		29	
		Low-SHi[2]	[dBA]	23–29–36–42		24–30–36–42		31–35–39–43		33-36-40-43		23-29-36-42		24-29-36-43		31-35-39-46		37-41-45-49	
	Running Current (Rated)		[A]	3.0		4.2		5.4		6.9		2.5		3.8		6.3		7.8	
	Air Volume In (SHi[1])		[L/s]	175		175		187		188		207		217		232		262	
HEAT	Capacity	Rated	[kW]	3.2		4.0		5.4		5.8		3.2		4.0		6.0		6.8	
		Min-Max	[kW]	1.0–4.2		1.3–5.1		1.3–6.3		1.4–7.5		0.8–6.3		0.9–7.0		1.8–9.0		1.8–9.8	
		@-15°C	[kW]	-		-		-		-		3.2		4.0		6.0		-	
	Input	Rated	[kW]	0.70		0.95		1.46		1.56		0.60		0.82		1.50		1.80	
	COP / ACOP			4.57 / 4.55		4.21 / 4.20		3.71 / 3.70		3.72 / 3.71		5.33 / 5.30		4.88 / 4.86		4.00 / 3.99		3.78 / 3.77	
	HSPF Residential (Cold/Avge‡/Hot)			4.05 / 4.48 / 4.77		3.77 / 4.20 / 4.50		3.55 / 4.07 / 4.58		3.60 / 4.02 / 4.44		4.97 / 5.28 / 5.58		4.63 / 5.02 / 5.40		4.00 / 4.40 / 4.87		3.74 / 4.21 / 4.72	
	HSPF Commercial (Cold/Avge‡/Hot)			4.21 / 4.57 / 4.75		3.95 / 4.30 / 4.49		3.83 / 4.28 / 4.59		3.82 / 4.18 / 4.44		5.10 / 5.37 / 5.56		4.82 / 5.16 / 5.39		4.24 / 4.59 / 4.88		4.01 / 4.42 / 4.73	
	Indoor Sound Level	Quiet	[dBA]	21		21		28		30		19		19		25		29	
		Low-SHi[2]	[dBA]	24-29-37-45		24-30-38-46		30-35-41-48		33-37-43-49		24-29-38-45		24-29-38-45		29-34-39-47		37-41-45-49	
	Running Current (Rated)		[A]	3.5		4.4		6.5		7.1		3.0		3.8		6.8		7.9	
	Air Volume In (SHi[1])		[L/s]	198		212		220		243		232		232		262		263	
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				Built-in								Built-In							
Power Supply	(Powered From Outdoor Unit)			230 V / Single Phase / 50 Hz								230 V / Single Phase / 50 Hz							
	Maximum Current		[A]	7.1		7.1		10.0		14.0		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				16.0			
Outdoor	Dimensions (WxDxH)		[mm]	800 x 285 x 550						800 x 285 x 714		800 x 285 x 550				840 x 330 x 880			
	Weight		[kg]	31		34		35		40		34		34		55		55	
	Sound Level - SPL[3]/Power (Cooling-Heating)		[dBA]	47-48 / 58-61		49-50 / 62-63		50-51 / 62-64		52-52 / 65-65		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 / 9.52		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		10		10		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	Black Diamond / Matte Silver / Pure White											Black Diamond / Red Diamond / White Diamond							

ZERL = Zoned Energy Rating Label
TCSPF = Total Cooling Season Performance Factor
HSPF = Heating Season Performance Factor
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
* Indoor 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.
‡ Avge/Hot are Australia only.
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.

MITSUBISHI ELECTRIC

QUICK GLANCE	TYPE			Floor Console System												
	SERIES			RapidHeat KW Series										RapidHeat KW Series HyperCore		
	MODEL			MFZ-KW25		MFZ-KW35		MFZ-KW42		MFZ-KW50		MFZ-KW60		MFZ-KW50HZ		MFZ-KW60HZ
	REFRIGERANT			**R32**												
	INDOOR UNIT			MFZ-KW25VG		MFZ-KW35G		MFZ-KW42VG		MFZ-KW50VG		MFZ-KW60VG		MFZ-KW50VG		MFZ-KW60VG
	OUTDOOR UNIT			MUFZ-KW25VG		MUFZ-KW35VG		MUFZ-KW42VG		MUFZ-KW50VG		MUFZ-KW60VG		MUFZ-KW50VGHZ		MUFZ-KW60VGHZ
	COOL			**2.5kW 4.38 EER 20 dBA***		**3.5kW 4.02 EER 20 dBA***		**4.2kW 3.78 EER 20 dBA***		**5.0kW 3.78 EER 27 dBA***		**6.1kW 3.52 EER 27 dBA***		**5.0kW 3.78 EER 27 dBA***		**6.1kW 3.52 EER 27 dBA***
	HEAT			**3.4kW 4.35 COP 18 dBA***		**4.3kW 3.77 COP 18 dBA***		**5.4kW 3.77 COP 18 dBA***		**5.8kW 3.79 COP 29 dBA***		**6.5kW 3.45 COP 29 dBA***		**5.8kW 3.79 COP 29 dBA***		**6.5kW 3.45 COP 29 dBA***
	ZERL STAR RATINGS	(NZ) Cold Area		**3.5**	**2.5**	**3.5**	**2.0**	**3.0**	**2.0**	**2.5**	**2.0**	**2.5**	**2.0**	**2.5**	**2.0**	**2.5**	**2.0**
		Avge Area‡		3.5	2.5	3.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
		Hot Area‡		4.0	3.0	3.5	3.0	3.0	3.0	3.0	3.0	2.5	3.0	3.0	3.0	2.5	3.0
COOL	Capacity	Rated	[kW]	2.5		3.5		4.2		5.0		6.1		5.0		6.1	
		Min-Max	[kW]	0.7 - 3.4		0.7 - 3.8		0.7 - 5.0		1.0 - 5.7		1.0 - 6.5		1.0 - 5.7		1.0 - 6.5	
	Input	Rated	[kW]	0.57		0.87		1.11		1.32		1.73		1.32		1.73	
	EER/AEER			4.38 / 4.32		4.02 / 3.98		3.78 / 3.75		3.78 / 3.76		3.52 / 3.50		3.78 / 3.76		3.52 / 3.50	
	TCSPF Residential (Cold/Avge‡/Hot)			5.16 / 5.07 / 5.55		5.10 / 4.95 / 5.33		4.53 / 4.42 / 4.71		4.41 / 4.31 / 4.58		4.35 / 4.22 / 4.46		4.41 / 4.31 / 4.58		4.35 / 4.22 / 4.46	
	TCSPF Commercial (Cold/Avge‡/Hot)			6.28 / 5.94 / 5.93		6.15 / 5.77 / 5.70		5.32 / 5.02 / 5.00		5.11 / 4.84 / 4.83		5.07 / 4.77 / 4.72		5.11 / 4.84 / 4.83		5.07 / 4.77 / 4.72	
	Indoor Sound Level	Quiet	[dBA]	20		20		20		27		27		27		27	
		Low-SHi[2]	[dBA]	26-32-38-44		26-32-38-44		28-36-43-51		31-35-39-44		35-39-46-53		31-35-39-44		35-39-46-53	
	Running Current (Rated)		[A]	3.0		4.2		5.1		5.8		7.7		5.8		7.7	
	Air Volume In (SHi[1])		[L/s]	172		172		228		177		250		177		250	
HEAT	Capacity	Rated	[kW]	3.4		4.3		5.4		5.8		6.5		5.8		6.5	
		Min-Max	[kW]	0.23 - 4.6		0.23 - 6.0		0.23 - 6.7		1.2 - 8.2		1.2 - 8.8		1.2 - 8.4		1.2 - 9.0	
		@-15°C	[kW]	-		-		-		-		-		5.8		6.5	
	Input	Rated	[kW]	0.78		1.14		1.43		1.53		1.88		1.53		1.88	
	COP / ACOP			4.35 / 4.31		3.77 / 3.74		3.77 / 3.75		3.79 / 3.77		3.45 / 3.44		3.79 / 3.77		3.45 / 3.44	
	HSPF Residential (Cold/Avge‡/Hot)			4.04 / 4.35 / 4.62		3.77 / 4.14 / 4.59		3.70 / 4.17 / 4.67		3.79 / 4.20 / 4.67		3.53 / 4.04 / 4.64		3.79 / 4.20 / 4.67		3.53 / 4.04 / 4.64	
	HSPF Commercial (Cold/Avge‡/Hot)			4.17 / 4.43 / 4.60		3.99 / 4.32 / 4.59		3.96 / 4.38 / 4.68		4.03 / 4.39 / 4.67		3.85 / 4.30 / 4.66		4.03 / 4.39 / 4.67		3.85 / 4.30 / 4.66	
	Indoor Sound Level	Quiet	[dBA]	18		18		18		29		29		29		29	
		Low-SHi[2]	[dBA]	25-31-38-44		25-31-38-44		27-36-44-51		35-40-45-50		35-41-47-51		35-40-45-50		35-41-47-51	
	Running Current (Rated)		[A]	3.8		5.3		6.4		6.8		8.3		6.8		8.3	
	Air Volume In (SHi[1])		[L/s]	173		173		235		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)			230V / Single Phase / 50 Hz												
	Maximum Current		[A]	9.9		9.9		10.1		15.3		15.4		15.3		15.4	
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						
	Weight		[kg]	35						54						
	Sound Level - SPL[3]/Power (Cooling-Heating)		[dBA]	48-46 / 61-59		48-47 / 61-60		48-47 / 62-61		53-56 / 66-69		53-56 / 66-69		53-56 / 66-69		53-56 / 66-69	
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		30 / 15		30 / 15		30 / 15		30 / 15	
	Chargeless Piping Length		[m]	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	
	Heating		[˚C]	-15 /+24		-15 /+24		-15 /+24		-15 /+24		-15 /+24		-25 /+24		-25 /+24	
Indoor Unit Colour				White												

ZERL = Zoned Energy Rating Label
TCSPF = Total Cooling Season Performance Factor
HSPF = Heating Season Performance Factor
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
* Indoor 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.
‡ Avge/Hot are Australia only.
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			R32							
Indoor Unit			SLZ-M25FA		SLZ-M35FA		SLZ-M50FA		SLZ-M60FA	
Function			Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity (min.-max.)		(kW)	2.5 (1.5-3.5)	3.0 (1.3-4.1)	3.5 (1.5-4.0)	4.0 (1.3-5.0)	5.0 (2.3-5.5)	5.0 (1.7-5.5)	5.6 (2.3-6.7)	6.0 (2.5-7.6)
Power Input		(kW)	0.62	0.78	0.93	1.05	1.49	1.58	1.64	1.87
Rated EER/COP			4.03	3.85	3.76	3.80	3.35	3.16	3.41	3.20
Rated AEER/ACOP			3.88	3.73	3.68	3.73	3.31	3.12	3.35	3.16
Power Supply			Single-Phase, 50Hz, 230V							
Airflow (Lo-Hi)		m^3/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-M25VAD	SUZ-M35VAD	SUZ-M50VAD	SUZ-M60VAD
Dimensions	Height	(mm)	550	550	714	880
	Width	(mm)	800	800	800	840
	Depth	(mm)	285	285	285	330
Weight		(kg)	30	35	41	54
Outdoor temp range	Cooling	[˚C]	-10 / +52	-10 / +52	-15 / +52	-15 / +52
	Heating	[˚C]	-10 / +24	-10 / +24	-15 / +24	-15 / +24

PEAD Series (Ducted)

Refrigerant			R32													
Indoor Unit			PEAD-M50JAA		PEAD-M60JAA		PEAD-M71JAA		PEAD-M71JAA		PEAD-M100JAA		PEAD-M125JAA		PEAD-M140JAA	
Function			Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity (min.-max.)		(kW)	5.0 (2.3-6.2)	6.0 (1.7-7.4)	6.0 (2.3-6.5)	7.0 (2.8-8.0)	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)	1.33	1.44	1.72	1.85	1.98	2.00	1.85	1.93	2.67	2.80	3.66	3.52	4.37	4.18
Rated EER/COP			3.75	4.16	3.48	3.78	3.58	4.00	3.83	4.14	3.74	4.00	3.41	3.97	3.20	3.82
Rated AEER/ACOP			3.70	4.09	3.43	3.72	3.53	3.93	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)		m^3/min	12-14.5-17		14.5-18-21		17.5-21-25		17.5-21-25		24-29-34		29.5-35.5-42		32-39-46	
		L/S	200-242-283		242-300-350		292-350-417		292-350-417		400-483-567		492-592-700		533-650-767	
Sound Pressure Level		(dB)	30-35-39		30-32-36		30-33-38		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				250				250	
	Width	(mm)	900		1,100		1,100				1,400				1,600	
	Depth	(mm)	732		732		732				732				732	
Weight		(kg)	26		29		29				38		39		43	

Outdoor Unit			SUZ-M50VAD	SUZ-M60VAD	SUZ-M71VAD	PUZ-ZM71VHA	PUZ-ZM100VKA	PUZ-ZM125VKA	PUZ-ZM140VKA
Dimensions	Height	(mm)	714	880	880	943	1338	1338	1338
	Width	(mm)	800	840	840	950	1050	1050	1050
	Depth	(mm)	285	330	330	330	330	330	330
Weight		(kg)	41	54	55	70	111	111	111
Outdoor temp range	Cooling	[˚C]	-15 / +52			-5(-15* / +52)			
	Heating	[˚C]	-15 / +24			-20 / +21			

*With optional air protection guide

PEA Series (Ducted)

Refrigerant			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)		m^3/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
Outdoor temp range	Cooling	[˚C]	-5(-15*3) / +52		
	Heating	[˚C]	-20 / +21		

PEA Series (Ducted)

Refrigerant			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)		m^3/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
Outdoor temp range	Cooling	[˚C]	-5(-15*3) / +52		-5 / +46
	Heating	[˚C]	-20 / +21		-20 / +15.5

*1 Rated EER/COP for PEA-RP170WJA are measured at ESP 75Pa *2 Sound pressure level are measured in anechoic chamber at ESP 150Pa *3 With optional air protection guide

Plasma Quad Connect

Optional Advanced Air Filtration System

We spend up to 80% of our time inside. As such, good indoor air quality is paramount to our well-being. So how can home owners have the peace of mind they can breathe cleaner, healthier air all year round?

With Plasma Quad Connect, occupants can now add advanced filtration to most Mitsubishi Electric M-Series high wall indoor models.

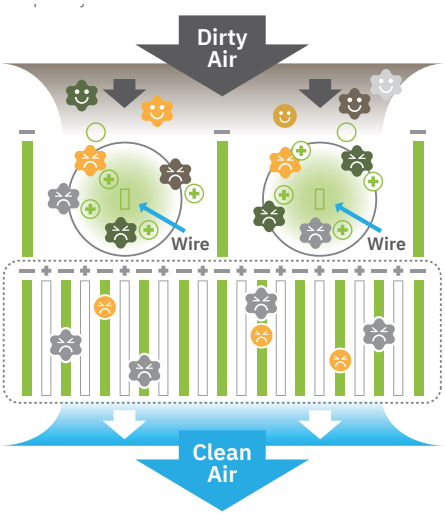
Plasma Quad Connect

Introducing the Plasma Quad Connect Air Filtration System – a new optional high wall accessory, featuring high-performance two stage plasma technology. This advanced filtration system works to clean away smells, dust, mould and other common household allergens, making it an ideal addition for asthma and allergy sufferers.

How Polluted is the Air Inside Your Home?

You may be surprised how contaminated indoor air actually can be. You might not be able to see it – but it is there! Every time you open your doors or windows, external pollutants such as pollen, dust and other allergens enter the home. But did you know oil and fat particles from cooking all release microscopic particles into the air too?

Dust and pet dander (dead skin flakes), mould build-up and mildew spores triggered by dampness can further increase concentrations of pollutants. There is substantial evidence to support the claim that breathing Particulate Matter (PM) is harmful to human health, particularly smaller fractions such as PM10 and PM2.5.



Cleaner, Healthier Air with Two Stage Plasma Filter

The Plasma Quad Connect is designed to work like an electrical curtain, using an advanced two-stage process which first makes plasma that breaks down air pollutants and then creates an electrical discharge that neutralises even microscopic particles in the air.

In fact, it can even capture particles as small as PM2.5, which are up to 30 times smaller than the width of a human hair! Unseen to the human eye, these microscopic particles can easily penetrate deep into our lungs and even our bloodstream.

The result? A more healthy and cleaner living environment that can be enjoyed year-round.

Highly Effective Filtration

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

Micro Particles

PM2.5 particles 99% neutralised in 300 mins.

25m³ test space.
Life Science Research Laboratory, No. LSRL-21010E-E091

Allergens

98% cat fur and pollen neutralised.

Mid Airflow Setting (1.0m/s).
ITEA Report No. T1606028

Viruses

99% neutralised in 175 mins.

25m³ test space.
Test No. vrc.center, SMC No.R2-003

Bacteria

99% neutralised in 335 mins.

30m³ test space.
CHEARI (Beijing) Certification & Testing Co., Ltd. WK-21-50161

Dust & Ticks

99.7% neutralised.

Mid Airflow Setting (1.0m/s).
ITEA Report No. T1606028

Moulds

99% neutralised in 160 mins.

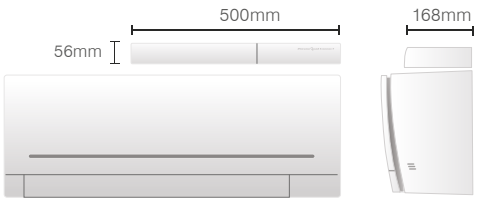
25m³ test space.
Life Science Research Laboratory, No. LSRL-51021E-E091

Dimensions (WxDxH): 500x168x56mm
Weight: 1.6 kg
Power Consumption: 4 W

Available on new installs and as an optional retrofit

Designed to be installed directly above high wall units, the Plasma Quad Connect is an optional Advanced Air Filtration System, compatible with the following Mitsubishi Electric M-Series High Wall Systems:

- EcoCore GL Series
- EcoCore Designer EF Series
- Large Capacity AS90
- EcoCore AP Series, Classic AP Series and AP Mini



Controllers

Handheld Remotes

Deluxe 7-Day Programmable Controller (Optional – SLZ Series)

With the ability to program up to four time and temperature settings for each day of the week, you can return to comfort without having to manually adjust the temperature. With a backlit screen for easy viewing, and advanced feature controls exclusive to the SLZ Series, including the 3D i-See Sensor and individual vane settings, the Deluxe 7-Day Controller offers the ultimate in customised comfort.

7-Day Programmable Controller (Standard)

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. The 7-Day Controller is available on the EcoCore AP, AP Mini, Classic AP, Large Capacity AS90, EcoCore Designer EF, Black Diamond LN and RapidHeat KW Series.

Wall Mounted Controllers

PAR 7-Day Controller

The PAR Controller allows you to program up to eight stop/start patterns per day for up to seven days at a time. Other features include a variety of operation control functions, operation lock and multi-language display. The PAR Controller also offers the following at the touch of a button; LCD backlit screen, large, easy-to-read display and mode view for both icon and word display.

Standard Inclusion: SEZ, PEAD. Optional upgrade for all other multi indoors.

Central Controllers

AT-50B 5” LCD Touch Screen – Optional Upgrade

Able to control up to 50 units and featuring both weekly and daily timer functions, the AT-50 is a cost-effective solution for large domestic or small commercial systems. It also features a 5” backlit, colour touch-screen LCD display. The AT-50 is also able to be integrated for control of additional equipment such as extractor and fresh air fans, ventilation systems and outdoor security lighting.

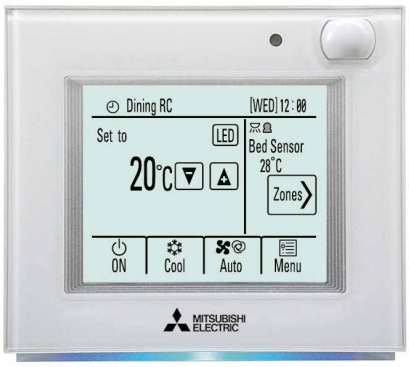
As part of a larger system, domestic or commercial, the Power Multi Series can be connected to M-NET control, benefitting directly from the features of AT50B and AE200 without the need for interface. In particular, the AE200 allows web browser and BMS control.

Zone Controller

(PEAD/PEA Ducted only)

With the ability to control up to eight zones* and equipped with automatic unloading/ramping and three built-in sensor functions (Temperature, Occupancy, Brightness), the PAC-ZC40~80 Zone Controller brings intuitive yet simple control to a whole new level.

* PAC-ZC80 only. PAC-ZC40 only allows control of four zones. Compatible with either 24V or 240V damper options. Optional: 1x additional PAR-ZC01ME-E controller and 2x thermistors (PAC-SE41TS-E) can be installed.



Features

Temperature Sensor

With an inbuilt thermostat (PAR-ZC01ME-E Wall Controller), the Zone Controller allows the actual usable space temperature to be measured, offering a more realistic and timely temperature measurement where it is needed most.

Occupancy Sensor

The Zone Controller (via the PAR-ZC01ME-E wall controller) constantly monitors the usable area to detect vacancy. Once detected, one of four user defined energy-save control options can be implemented to reduce energy consumption: turn the unit on/off, lower the fan speed, temperature offset, or turn user designated zones on/off.

Brightness Sensor

Working in conjunction with the Occupancy Sensor, the Brightness Sensor can be set to maximise energy savings when it detects user defined “Light” or “Dark” conditions (lux values).

Backlit LCD Touch Screen

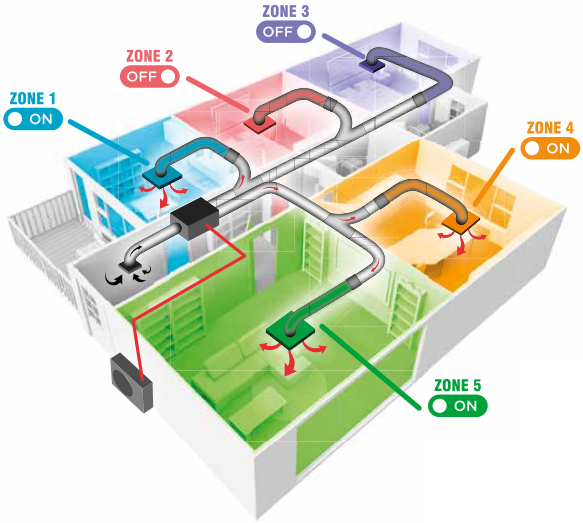
Featuring a liquid-crystal display (LCD), back lit for operation in dark conditions. For ease of use, the user defined coloured LED indicator (at the bottom of the controller) lights up to indicate the current operation mode i.e. red for Heating, blue for Cooling, green for Night Setback.

Intuitive Airflow Control

Where traditional ducted systems require manual adjustment of the indoor fan speed, the PAC-ZC40L-E, equipped with the exclusive Mitsubishi Electric Intuitive Airflow Control, intuitively detects which zones you have open/closed and adjusts the fan speed accordingly. When zones are not in use the fan speed is lowered automatically, leading to increased overall energy savings.

Optional Wi-Fi Control

Advanced temperature monitoring and management. Now you can control, monitor and schedule which zones your ducted heat pump is controlling in real time from anywhere via your smart phone, tablet or online account.



OPTIONAL Wi-Fi CONTROL

amazon alexa ENABLED

works with the Google Assistant

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 oversized unit could cost you more in energy usage, while an undersized 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 AP Series	Classic AP Series	Large Capacity AS90	Designer EF Series	Black Diamond LN Series	RapidHeat KW Series	RapidHeat KW Series HyperCore
4m x 3m	x	2.4m	=	28.8m³	x	55 watts per m³	=	1.6 kW	AP20VGKD	AP20VGD		EF25VGK†	LN25VGHZ†	KW25VG†*	
4m x 4m	x	2.4m	=	38.4m³	x	55 watts per m³	=	2.1 kW	AP20VGKD	AP20VGD		EF25VGK†	LN25VGHZ†	KW25VG†	
4m x 5m	x	2.4m	=	48.0m³	x	55 watts per m³	=	2.6 kW	AP20VGKD	AP20VGD		EF25VGK†	LN25VGHZ†	KW25VG†	
5m x 5m	x	2.4m	=	60.0m³	x	55 watts per m³	=	3.3 kW	AP25VGKD	AP25VGD		EF25VGK	LN25VGHZ	KW25VG	
6m x 5m	x	2.4m	=	72.0m³	x	55 watts per m³	=	4.0 kW	AP35VGKD	AP35VGD		EF35VGK	LN35VGHZ	KW35VG	KW50VGHZ†
6m x 6m	x	2.4m	=	86.4m³	x	55 watts per m³	=	4.7 kW	AP42VGKD	AP42VGD		EF42VGK	LN50VGHZ†	KW42VG	KW50VGHZ†
6m x 7m	x	2.4m	=	100.8m³	x	55 watts per m³	=	5.5 kW	AP50VGKD	AP50VGD		EF50VGK	LN50VGHZ	KW50VG	KW50VGHZ
7m x 7m	x	2.4m	=	117.6m³	x	55 watts per m³	=	6.5 kW	AP60VGKD	AP60VGD			LN60VG	KW60VG	KW60VGHZ
7m x 8m	x	2.4m	=	134.4m³	x	55 watts per m³	=	7.4 kW	AP71VGKD	AP71VGD					
8m x 8m	x	2.4m	=	153.6m³	x	55 watts per m³	=	8.4 kW	AP80VGKD	AP80VGD					
8mx9m	x	2.4m	=	172.8m³	x	55 watts per m³	=	9.5kW			AS90VGD				

At outdoor ambient 7°C. † Higher rated unit for application, but can be used. *KW25 piping run cannot exceed 15m into a room of 28.8m³ volume.

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 AP Series	Classic AP Series	Large Capacity AS90	Designer EF Series	Black Diamond LN Series	RapidHeat KW Series	RapidHeat KW Series HyperCore
4m x 3m	x	2.4m	=	28.8m³	x	65 watts per m³	=	1.9 kW	AP20VGD	AP20VGD		EF25VGK†	LN25VGHZ†	KW25VG†*	
4m x 4m	x	2.4m	=	38.4m³	x	65 watts per m³	=	2.5 kW	AP20VGD	AP20VGD		EF25VGK†	LN25VGHZ†	KW25VG†	
4m x 5m	x	2.4m	=	48.0m³	x	65 watts per m³	=	3.1 kW	AP25VGD	AP20VGD		EF25VGK	LN25VGHZ	KW25VG	
5m x 5m	x	2.4m	=	60.0m³	x	65 watts per m³	=	3.9 kW	AP35VGD	AP25VGD		EF35VGK	LN35VGHZ	KW35VG	KW50VGHZ†
6m x 5m	x	2.4m	=	72.0m³	x	65 watts per m³	=	4.7 kW	AP42VGD	AP35VGD		EF42VGK	LN50VGHZ†	KW42VG	KW50VGHZ†
6m x 6m	x	2.4m	=	86.4m³	x	65 watts per m³	=	5.6 kW	AP50VGD	AP42VGD		EF50VGK	LN50VGHZ	KW50VG	KW50VGHZ
6m x 7m	x	2.4m	=	100.8m³	x	65 watts per m³	=	6.5 kW	AP60VGD	AP50VGD			LN60VG	KW60VG	KW60VGHZ
7m x 7m	x	2.4m	=	117.6m³	x	65 watts per m³	=	7.6 kW	AP71VGD	AP60VGD					
7m x 8m	x	2.4m	=	134.4m³	x	65 watts per m³	=	8.7 kW	AP80VGD	AP71VGD					
8m x 8m	x	2.4m	=	153.6m³	x	65 watts per m³	=	10kW		AP80VGD	AS90VGD				

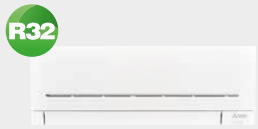
At outdoor ambient 7°C. † Higher rated unit for application, but can be used. *KW25 piping run cannot exceed 15m into a room of 28.8m³ volume.

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

Recommended Heat Pumps

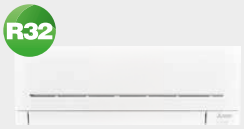
Store Contact Details

Staple business card here



EcoCore AP Series
High Wall System
See pages 10–11

AP Mini
High Wall System
See pages 12–13



Classic AP Series
High Wall System
See pages 14–15

Large Capacity AS90
High Wall System
See pages 16–17

Designer EF Series
High Wall System
See pages 18-19

Black Diamond LN Series
High Wall System
See pages 20–23

RapidHeat KW Series
Floor Console System
See pages 24–25

SLZ Series
Ceiling Cassette System
See pages 26–27

OmniCore Systems
Whole Home Solution
See pages 28–29

Ducted Systems
Whole Home Solution
See pages 30–31

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.

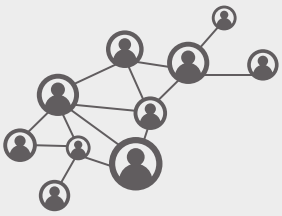
MITSUBISHI ELECTRIC

100% NZ OWNED

Black Diamond Technologies and Mitsubishi Electric – an Exclusive Partnership Since 1981

The Mitsubishi Electric Product Range has been exclusively distributed by 100% locally Owned and Operated Black Diamond Technologies Limited for over 40 years in New Zealand.

The combination of an internationally trusted brand with the comfort of a locally owned and operated company means that you will always get the best products, the best local service and the best local support.



Our Nationwide Trained Specialist Installation Network

Mitsubishi Electric Heat Pumps are installed through an extensive network of trained specialist dealers. This ensures you are supported with a superior level of product and installation quality.

Our Comprehensive 5 Year Warranty

Peace of mind is assured with your choice of Mitsubishi Electric Heat Pumps – supported by a comprehensive 5 year parts and labour warranty.

B D T Black Diamond Technologies Limited

100% NZ OWNED

Exclusive New Zealand Partner Since 1981

MITSUBISHI ELECTRIC

Wellington
Head Office
1 Parliament Street
PO Box 30772
Lower Hutt 5040
Phone 04 560 9147

Auckland
Unit 1 / 4 Walls Road
PO Box 12726
Penrose
Auckland 1642
Phone 09 526 9347

Christchurch
44 Halwyn Drive
PO Box 16904
Hornby
Christchurch 8441
Phone 03 341 2837

PLEASE LOOK AFTER THE ENVIRONMENT AND RECYCLE

For more information on Mitsubishi Electric Heat Pumps please visit our website or call our Customer Service Team.

www.mitsubishi-electric.co.nz | 0800 784 382