

Heat Pump Catalogue

Quietly Superior Heat Pumps



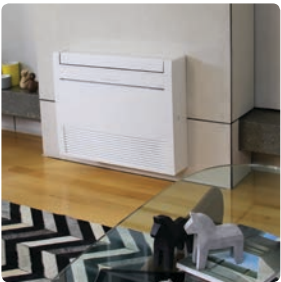


Elegance to match your individual style.

Now there is a choice. Superior comfort and whisper quiet energy efficiency are seamlessly fused in a range of elegant heat pumps that allow you to truly reflect your design personality. Whether you would like to blend in or stand out, we offer heat pumps to suit your individual style and comfort requirements without compromising on aesthetics or performance.



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

The Mitsubishi Electric Advantage..... 5

A heat pump is an investment in your comfort for years to come so it makes sense to invest in the best. Mitsubishi Electric Heat Pumps are specifically designed to heat more efficiently and quietly. They're engineered with heating in mind, not cooling like most other brands. This means they're better equipped to warm your home.

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

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NZ's Most Comprehensive Range of Energy Star® Awarded Heat Pumps

At Mitsubishi Electric we take energy efficiency very seriously. Our commitment to continuous advancements in technology has led to the development of superior energy efficient heat pumps, with an impressive 34 models awarded the Energy Star® mark.

So what do we mean by NZ's most comprehensive range of Energy Star® awarded heat pumps?

24 Energy Star® Awarded High Wall Heat Pumps

From our lineup of 24 Energy Star® awarded High Wall Heat Pumps, 6 are available in a range of colours and 3 are offered with HyperCore® Technology, guaranteeing maximum heat output right down to -15°C .

4 Energy Star® Awarded Floor Console Heat Pumps

We have 4 Energy Star® awarded Floor Console options that are recessable for an even slimmer profile, one of which also features a HyperCore® Technology upgrade.

6 Energy Star® Awarded Ducted Heat Pump Systems

We have 6 total home ducted solutions proudly wearing the Energy Star® mark. Hidden from view with only subtle grilles visible, these Ducted Heat Pump systems are a perfect total home comfort solution.

A Total of 34 Energy Star® Awarded Heat Pump Systems

All in all, there are 34 Energy Star® awarded models in our lineup, ranging from 2.5kW right up to 13.5kW – meaning there is a style and capacity to suit every need.

When we make big claims like this, we ensure they are supported by transparent facts. We clearly identify all of our Energy Star® models in our brochures and on our website – providing consumers the ability to easily distinguish which models have been awarded the Energy Star® mark. This also extends to the recommended heat pumps provided by our heat pump selector tool.

Mitsubishi Electric is able to present such an extensive range of heat pumps that all qualify for the Energy Star® mark due to our commitment to quality.

Quality you can rely on

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



This emblem is your assurance of the very best in technology and quality, representing continuous efforts from Mitsubishi Electric in making our heat pumps the industry standard.

Every Mitsubishi Electric Heat Pump is a product of thorough research, relentless testing and a resolute determination to improve upon vital performance characteristics.

As a result, our heat pumps have set the standard in superior energy efficiency, are more durable, less costly to operate, quieter, easier to install and maintain and better able to distribute air evenly throughout any type of interior.

This commitment to quality enables our products to create remarkably pleasant environments that will ultimately make the life of consumers more comfortable in the most energy efficient way possible.

Energy Star® Mark



Mitsubishi Electric is determined to provide the most energy efficient heat pumps in the market. This is why so many of our heat pumps have achieved the Energy Star® mark, the highest award for energy efficiency in this product category; awarded to only the most efficient models in the market. Additional energy saving features such as Econo Cool and i-Save Mode can further increase energy savings and the overall efficiency of the heat pump.

Why Choose a Heat Pump?

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

Unique Benefits of Heat Pumps



Energy Efficiency

Heat pumps offer the highest levels of energy efficiency with the ability to provide 3-5kW of heat energy for every 1kW used.



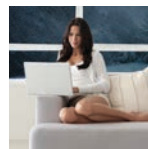
Lowest Running Costs

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



Precise Temperature Control

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



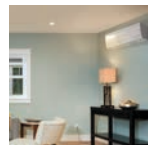
Convenient Comfort

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



Cooling in Summer

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



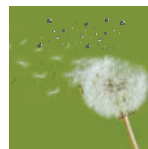
Unobtrusive Heating

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



Safety

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

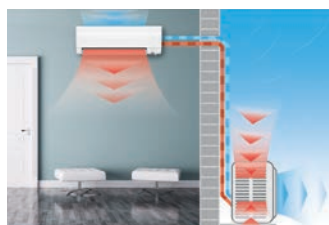


Improved Air Quality

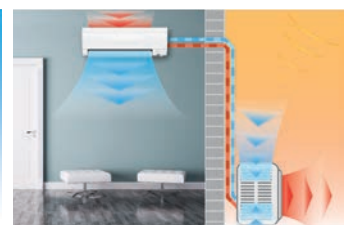
Heat pumps are fitted with filtration and deodorisation systems - perfect for asthma and allergy sufferers.

How do Heat Pumps Work?

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



Winter – Heating



Summer – Cooling

Mitsubishi Electric Advantage - Designed to Heat

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

Choose a Heat Pump That's Designed to Heat

When it gets cold outside, a heat pump that is designed to cool needs to work overtime to produce heat and as such its performance is reduced. A heat pump that is designed for cooling can disappoint when you need it most – when the temperature drops. Mitsubishi Electric Heat Pumps are designed for New Zealand homes and therefore designed predominantly to heat. The result is year-round reliability and performance.



Intelligent Defrost

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

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

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



HyperCore® High Performance Heat Pumps

Whilst all of our heat pumps are engineered for superior heating and designed for high performance in low outside temperatures, only HyperCore® can provide its full heating capacity as the outside temperature drops to -15°C and is guaranteed to operate in heating mode down to -25°C. While other heat pumps lower their heating output as temperatures drop, HyperCore® Heat Pumps continue to provide their full heating capacity even when it is snowing outside; so your room heats up fast and stays warm when you need it most. HyperCore® is also highly recommended for humid and high altitude areas.

To learn more about our HyperCore® Series see pages 16-18.



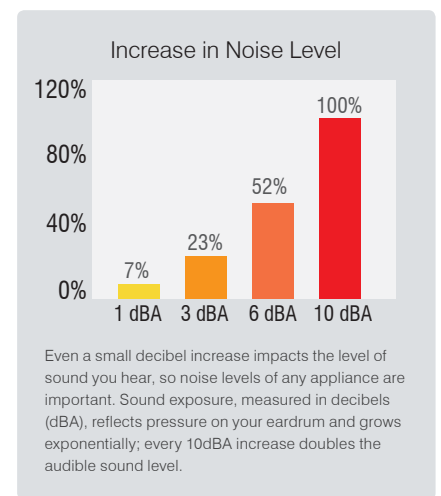
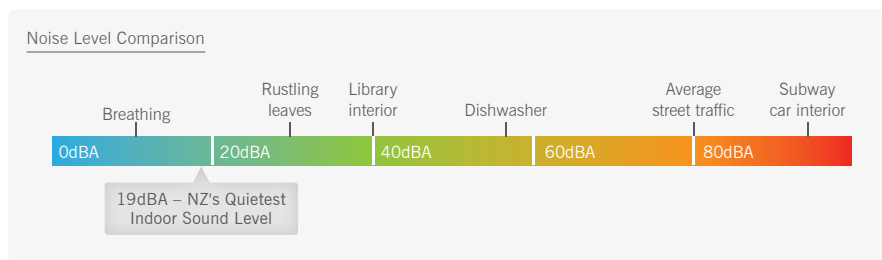
Mitsubishi Electric Advantage - Unbeatable Quietness

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 19dBA, our GE Series High Wall and RapidHeat Floor Console indoor units are unrivalled for quietness*. Because we want you to feel the warmth, not hear it.

*MSZ-GE25/35 and MFZ-KJ25/35 indoor sound level on lowest fan speed in Heating Mode.

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.

Unique Quietness Technology

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

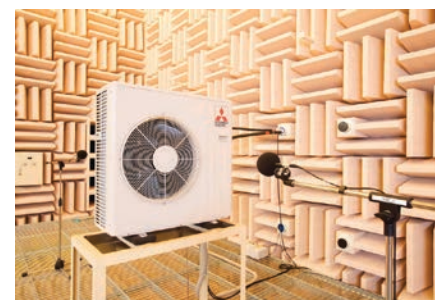
The larger surface area of our coils enables the indoor unit to maintain a higher temperature. As a result, less air needs to be passed across the coil to achieve the same indoor temperature; less air means less noise.

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.



Classic GE Series

High Wall Heat Pumps

The Classic GE Series is our best-selling heat pump range ever! This is a testament to exceptional product quality, reliability and superior heating performance. Unrivalled for quietness, they are ideal where it matters most - in living rooms and bedrooms.



Dimensions (WxDxH): 798x232x295mm



MSZ-GE25VAD2

Heating Capacity: 3.0 kW (min 1.3kW~max 4.1kW)
Heating Efficiency - COP: 4.66 / ACOP: 4.54
Cooling Capacity: 2.5 kW (min 1.1kW~max 3.5kW)
Cooling Efficiency - EER: 4.40 / AEER: 4.28



MSZ-GE42VAD2

Heating Capacity: 5.0 kW (min 1.4kW~max 6.0kW)
Heating Efficiency - COP: 3.86 / ACOP: 3.81
Cooling Capacity: 4.2 kW (min 0.9kW~max 4.8kW)
Cooling Efficiency - EER: 3.38 / AEER: 3.34



MSZ-GE35VAD2

Heating Capacity: 4.0 kW (min 1.6kW~max 5.3kW)
Heating Efficiency - COP: 4.08 / ACOP: 4.02
Cooling Capacity: 3.5 kW (min 1.1kW~max 4.0kW)
Cooling Efficiency - EER: 3.98 / AEER: 3.91

MSZ-GE50VAD2

Heating Capacity: 5.8 kW (min 1.4kW~max 7.2kW)
Heating Efficiency - COP: 3.61 / ACOP: 3.58
Cooling Capacity: 4.8 kW (min 1.4kW~max 5.4kW)
Cooling Efficiency - EER: 3.34 / AEER: 3.30



Dimensions (WxDxH): 1100x238x325mm



MSZ-GE60VAD

Heating Capacity: 6.8 kW (min 2.0kW~max 9.3kW)
Heating Efficiency - COP: 3.84 / ACOP: 3.80
Cooling Capacity: 6.0 kW (min 1.5kW~max 7.5kW)
Cooling Efficiency - EER: 3.55 / AEER: 3.51



MSZ-GE80VAD

Heating Capacity: 9.0 kW (min 2.2kW~max 11.1kW)
Heating Efficiency - COP: 3.54 / ACOP: 3.52
Cooling Capacity: 7.8 kW (min 2.4kW~max 9.2kW)
Cooling Efficiency - EER: 3.31 / AEER: 3.28



MSZ-GE71VAD

Heating Capacity: 8.1 kW (min 2.2kW~max 9.9kW)
Heating Efficiency - COP: 3.82 / ACOP: 3.78
Cooling Capacity: 7.1 kW (min 2.4kW~max 8.7kW)
Cooling Efficiency - EER: 3.49 / AEER: 3.46



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

Control your heat pump from anywhere with the award-winning Mitsubishi Electric Wi-Fi Control! Available with the Classic GE Series, you can find out more about this optional upgrade on page 25.

For more about COP and EER see page 31

Classic GE Series High Wall Heat Pump Features

See page 28-30 for more information



6 Energy Star® Awarded Models GE25/35/42/60/71/80



Healthy Catechin Filter GE25/35/42/50



Auto Change Over Function



Low Temperature Performance Down to -15°C



Anti-Allergy Enzyme Filter GE25/35/42/50



7-Day Programmable Controller*



Whisper Quiet Operation



Nano Platinum Filter GE60/71/80



Optional Wi-Fi Control



Wide and Long Airflow GE60/71/80



Electrostatic Anti-Allergy Enzyme Filter GE60/71/80



New Zealand's Quietest Heat Pumps

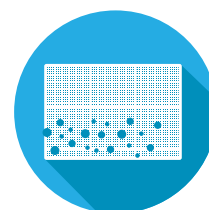
Starting from barely a whisper, our Classic GE Series allows you to feel the warmth, not hear it. The GE25 and GE35 indoor units start from a hushed 19dBA on their lowest fan speed in Heating Mode – no other heat pump is quieter!



Advanced Filtration

The small GE models (25/35/42/50) feature a washable Healthy Catechin Filter; utilising a Catechin compound to trap odour-causing pollutants and airborne bacteria. The Anti-Allergy Enzyme Filter that specifically combats allergens, dust mites and pollen is perfect for those suffering from asthma and other airborne allergies.

The large GE models (60/71/80) come standard with a Nano Platinum Filter and Electrostatic Anti-Allergy Enzyme Filter. This advanced filtration system efficiently absorbs odours, traps dust particles and eliminates bacteria at the molecular level, whilst the synthetic Enzyme Catalyst infused in the filter helps break down harmful microbes such as mould and dust mites; for the highest level of filtration performance. To read more about our filtration go to page 30.



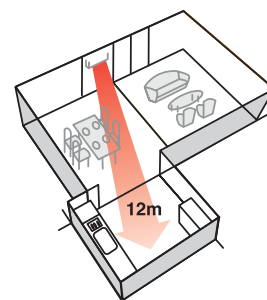
7-Day Programmable Controller

This controller allows you to program up to four time and temperature settings for each day of the week, meaning you can easily program your heat pump to start up before you wake or return home. It's a great way to regulate your energy usage without compromising on comfort! The GE25/35/42/50 come with a standard 7-Day Line-of-Sight Controller and the GE60/71/80 come with an advanced 7-Day Controller. For more details go to page 30.



Wide and Long Airflow (GE60/71/80)

The Wide and Long Airflow Modes 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 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.



Designer Series

High Wall Heat Pumps



reddot design award
winner 2015

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



Dimensions (WxDxH): 885 x 195 x 299mm



MSZ-EF25VE2W/B/S

Heating Capacity: 3.2 kW (min 1.1kW~max 4.2kW)
Heating Efficiency – COP: 4.59 / ACOP: 4.57
Cooling Capacity: 2.5 kW (min 1.2kW~max 3.4kW)
Cooling Efficiency – EER: 4.58 / AEER: 4.55

MSZ-EF42VE2W/B/S

Heating Capacity: 5.4 kW (min 1.4kW~max 6.3kW)
Heating Efficiency – COP: 3.82 / ACOP: 3.81
Cooling Capacity: 4.2 kW (min 0.9kW~max 4.6kW)
Cooling Efficiency – EER: 3.29 / AEER: 3.28



MSZ-EF35VE2W/B/S

Heating Capacity: 4.0 kW (min 1.8kW~max 5.5kW)
Heating Efficiency – COP: 4.31 / ACOP: 4.29
Cooling Capacity: 3.5 kW (min 1.4kW~max 4.0kW)
Cooling Efficiency – EER: 3.91 / AEER: 3.89

MSZ-EF50VE2W/B/S

Heating Capacity: 5.8 kW (min 1.6kW~max 7.5kW)
Heating Efficiency – COP: 3.55 / ACOP: 3.55
Cooling Capacity: 5.0 kW (min 1.4kW~max 5.4kW)
Cooling Efficiency – EER: 3.11 / AEER: 3.11

New Look

Phased introduction from November 2016 onwards. Please speak to your local installer to confirm exterior look.



OPTIONAL UPGRADE

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

Control your heat pump from anywhere with the award-winning Mitsubishi Electric Wi-Fi Control! Available with the Designer Series, you can find out more about this optional upgrade on page 25.

For more about COP and EER see page 31

Designer Series High Wall Heat Pump Features

See page 28-30 for more information



2 Energy Star® Awarded
Models EF25/35



Nano Platinum Filter



Auto Change Over Function



Low Temperature Performance
Down to -15°C



Electrostatic Anti-Allergy
Enzyme Filter Optional



7-Day Programmable
Controller



Whisper Quiet Operation



Stylish Flat Panel Design



Optional Wi-Fi Control



Low Standby Power Usage
1W



Red Dot Design Award
Winner 2015



Energy Star®

The Energy Star® mark is awarded to the most energy efficient heat pumps available in New Zealand, which means better performance all winter long. Our Designer Series models (EF25/35) have been awarded the Energy Star® mark, signalling they meet strict energy efficiency standards.



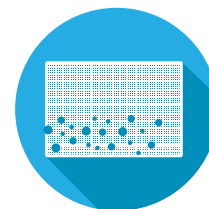
Quiet Operation

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



Advanced Filtration

Designer Series Heat Pumps offer two types of filters. The Nano Platinum Filter not only improves air quality but also reduces airborne bacteria. The optional Electrostatic Anti-Allergy Enzyme Filter effectively combats common allergens.



Red Dot Design Award

The Designer Series, with its contemporary slimline profile, has been awarded the prestigious Red Dot Design Award 2015 in recognition for outstanding design quality. The international jury only confers this sought-after seal of quality to products that set themselves apart significantly from comparable products thanks to their excellent design.



reddot design award
winner 2015

7-Day Programmable Controller

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



RapidHeat[®] Series

Floor Consoles



GOOD DESIGN
AWARD 2014

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



Dimensions (WxDxH): 750 x 215 x 600mm

MFZ-KJ25VE

Heating Capacity: 3.4 kW (min 1.2kW~max 4.6kW)
Heating Efficiency – COP: 4.42 / ACOP: 4.42
Cooling Capacity: 2.5 kW (min 0.5kW~max 3.4kW)
Cooling Efficiency – EER: 4.84 / AEER: 4.84

MFZ-KJ35VE

Heating Capacity: 4.3 kW (min 1.2kW~max 5.8kW)
Heating Efficiency – COP: 3.81 / ACOP: 3.81
Cooling Capacity: 3.5 kW (min 0.5kW~max 3.7kW)
Cooling Efficiency – EER: 3.84 / AEER: 3.84

MFZ-KJ50VE

Heating Capacity: 5.8 kW (min 2.2kW~max 8.2kW)
Heating Efficiency – COP: 3.83 / ACOP: 3.83
Cooling Capacity: 5.0 kW (min 1.6kW~max 5.7kW)
Cooling Efficiency – EER: 3.57 / AEER: 3.57

MFZ-KJ60VE

Heating Capacity: 6.8 kW (min 2.2kW~max 9.1kW)
Heating Efficiency – COP: 3.59 / ACOP: 3.59
Cooling Capacity: 6.0 kW (min 1.6kW~max 6.8kW)
Cooling Efficiency – EER: 3.47 / AEER: 3.47

HYPERCORE[®] Option

Fact – HyperCore[®] is still the only heat pump in New Zealand guaranteed to produce its fully rated heating capacity right down to -15°C. With the best low temperature performance, HyperCore[®] Heat Pumps ensure your room heats up fast and stays warm when you need it most. For more information on HyperCore[®] see pages 16-18.



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

Control your heat pump from anywhere with the award-winning Mitsubishi Electric Wi-Fi Control! Available with the RapidHeat Series, you can find out more about this optional upgrade on page 25.

For more about COP and EER see page 31

RapidHeat Floor Console Features

See page 28-30 for more information



3 Energy Star[®] Awarded
Models KJ25/35/50



RapidHeat Technology



Multi Vane Airflow



NZ's Quietest Floor Console*



Anti-Allergy Enzyme Filter



7-Day Programmable
Controller



HyperCore[®] Option



Nano Platinum Filter



Optional Wi-Fi Control



Low Standby Power Usage
0.6W

*MFZ-KJ25/35 indoor sound level on lowest fan speed.



RapidHeat Technology

INDUSTRY FIRST

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

NZ's Quietest Floor Consoles

INDUSTRY FIRST

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

*MFZ-KJ 25/35 indoor sound level.

Multi Vane Flow – Even Heat Distribution

INDUSTRY FIRST

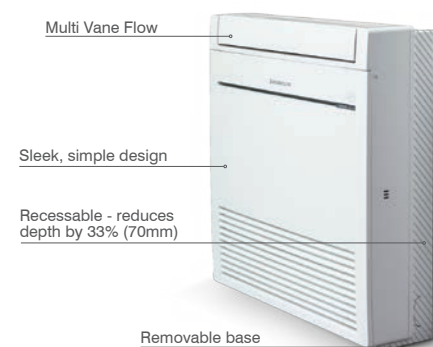
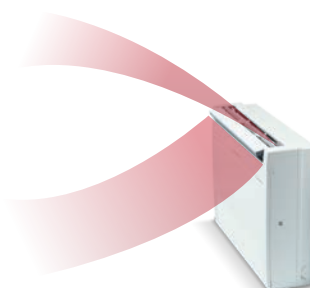
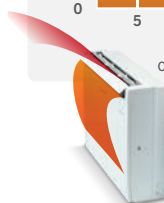
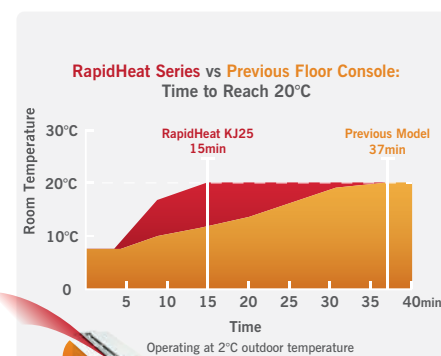
The Multi Vane Flow function blows warm air in both an upward and downward direction providing fast, even and effective heating whilst also reducing draughts. This is achieved via three uniquely shaped vanes that are designed for better airflow control and also provide the freedom to be customised to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

Sleek, Sophisticated Design

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

High Energy Efficiency

The Energy Star® mark is awarded to the most energy efficient heat pumps available in New Zealand. Our RapidHeat Series Floor Consoles (KJ25/35/50) have been awarded the Energy Star® mark, signalling they meet strict energy efficiency standards and have better performance all year round.



Deluxe FH Series

High Wall Heat Pumps

The Deluxe FH Series is truly the flagship amongst heat pumps. New advanced features provide unparalleled comfort and energy efficiency. Plasma Quad Filtration, the unique 3D i-See Sensor, Dual Split Vanes and the Natural Airflow Function have set a new benchmark in customised comfort.



Dimensions (WxDxH): 925x234x305mm (+17mm)



MSZ-FH25VE

Heating Capacity: 3.2 kW (min 1.8kW~max 5.5kW)
Heating Efficiency - COP: 5.49 / ACOP: 5.46
Cooling Capacity: 2.5 kW (min 1.4kW~max 3.5kW)
Cooling Efficiency - EER: 5.06 / AEER: 5.03



MSZ-FH50VE

Heating Capacity: 6.0 kW (min 1.7kW~max 8.7kW)
Heating Efficiency - COP: 4.11 / ACOP: 4.10
Cooling Capacity: 5.0 kW (min 1.9kW~max 6.0kW)
Cooling Efficiency - EER: 3.66 / AEER: 3.65



MSZ-FH35VE

Heating Capacity: 4.0 kW (min 1.0kW~max 6.3kW)
Heating Efficiency - COP: 4.90 / ACOP: 4.88
Cooling Capacity: 3.5 kW (min 0.8kW~max 4.0kW)
Cooling Efficiency - EER: 4.20 / AEER: 4.18

HYPERCORE® Option

Fact – HyperCore® is still the only heat pump in New Zealand guaranteed to produce its fully rated heating capacity right down to -15°C. With the best low temperature performance, HyperCore® Heat Pumps ensure your room heats up fast and stays warm when you need it most. For more information on HyperCore® see pages 16-18.



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

Control your heat pump from anywhere with the award-winning Mitsubishi Electric Wi-Fi Control! Available with the Deluxe FH Series, you can find out more about this optional upgrade on page 25.

For more about COP and EER see page 31

Deluxe FH High Wall Heat Pump Features

See page 28-30 for more information



3 Energy Star® Awarded Models FH25/35/50



Advanced Plasma Quad Filtration



3D i-See Sensor



Low Temperature Performance Down to -15°C



Dual Split Vane Technology



7-Day Programmable Controller



HyperCore® Option



Natural Airflow (Cooling & Fan Modes Only)



Optional Wi-Fi Control



Low Standby Power Usage 1W



3D i-See Sensor

Exclusive to the Deluxe FH Series, the 3D i-See Sensor will continuously analyse the temperature profile of a room to detect hot and cold spots. This intelligent 8-element sensor simultaneously scans the entire room and splits it into 752 three-dimensional zones, measuring the temperature in each to detect the exact position of its occupants based on their heat signatures. The perfect amount of heating or cooling can be customised based on preference.

Energy Saving Intelligent Sensor

The 3D i-See Sensor is an intelligent occupancy sensor that, after a set period of absence, will switch to Energy Saving Mode. This raises or lowers the set temperature by 2°C as required, leading to greater energy savings.

Automatic Comfort Control

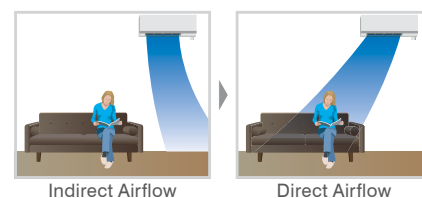
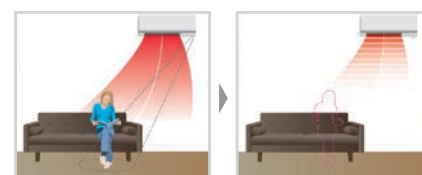
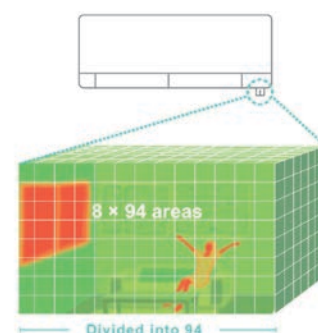
The unit can be set to automatically direct airflow towards the occupant or to avoid the occupant using the i-See Sensor.

Dual Split Vane Technology

The Deluxe FH Series' unique split vane design allows airflow to be customised to suit different areas of the room by independently directing air upwards, downwards or to the side. This flexibility can also prevent air from striking obstacles or direct air to areas that require additional heating or cooling. Split Vane Airflow provides fast, even and effective heating, while also being a feasible solution in multi-level environments. The split vane design also means individual preferences can now be more easily accommodated. You prefer to feel the heat directly but others do not? Simple! A breakthrough in comfort, the split vane design means airflow can be customised to suit both occupants in the room at the same time.

Natural Airflow (Cooling & Fan Modes Only)

If you thought all air conditioners feel draughty in cooling mode – think again! Our unique Natural Airflow Function recreates a light and gentle airflow that feels as natural as possible by automatically modulating fan speed and direction.



Deluxe FH Series

Additional Features



Maximum 6 Star Energy Efficiency ★★★★★★

All models in the Deluxe FH Series have been awarded the Energy Star® mark reflecting that they are some of the most energy efficient heat pumps available in New Zealand. The FH25 model even boasts the maximum 6 star energy rating in heating – which means superior energy efficient performance all winter long.

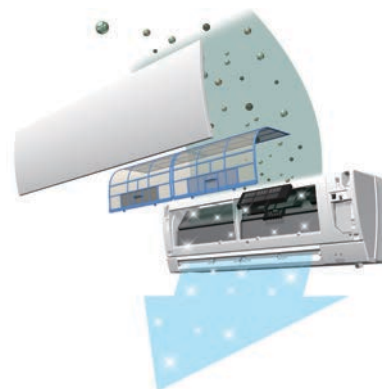


Advanced Plasma Quad Filtration

The Plasma Quad Filter System is an advanced, multi-stage filtration system designed to effectively neutralise contaminants such as allergens, viruses and bacteria; ensuring the circulation of fresh, clean air back into the room.

The Plasma Filter is charged with an electrical field and acts as a micro mesh 'curtain' across the air inlet opening, effectively catching dust particles, allergens, bacteria and viruses with 99% efficiency (independently tested in a 25m³ room).

In addition, two Air Purifying Filters and a Deodorising Filter effectively neutralise odours from the air. This level of advanced filtration is ideal for those suffering from asthma and other airborne allergies.



Low Standby Power

Many electrical appliances still consume power while left in standby, having a real effect on your power bill. The new Deluxe FH Series, incorporating cutting edge power reduction technology, boasts 1W standby power. That's a reduction of around 90% on previous standby power consumption.



7-Day Programmable Controller

All Deluxe FH 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.

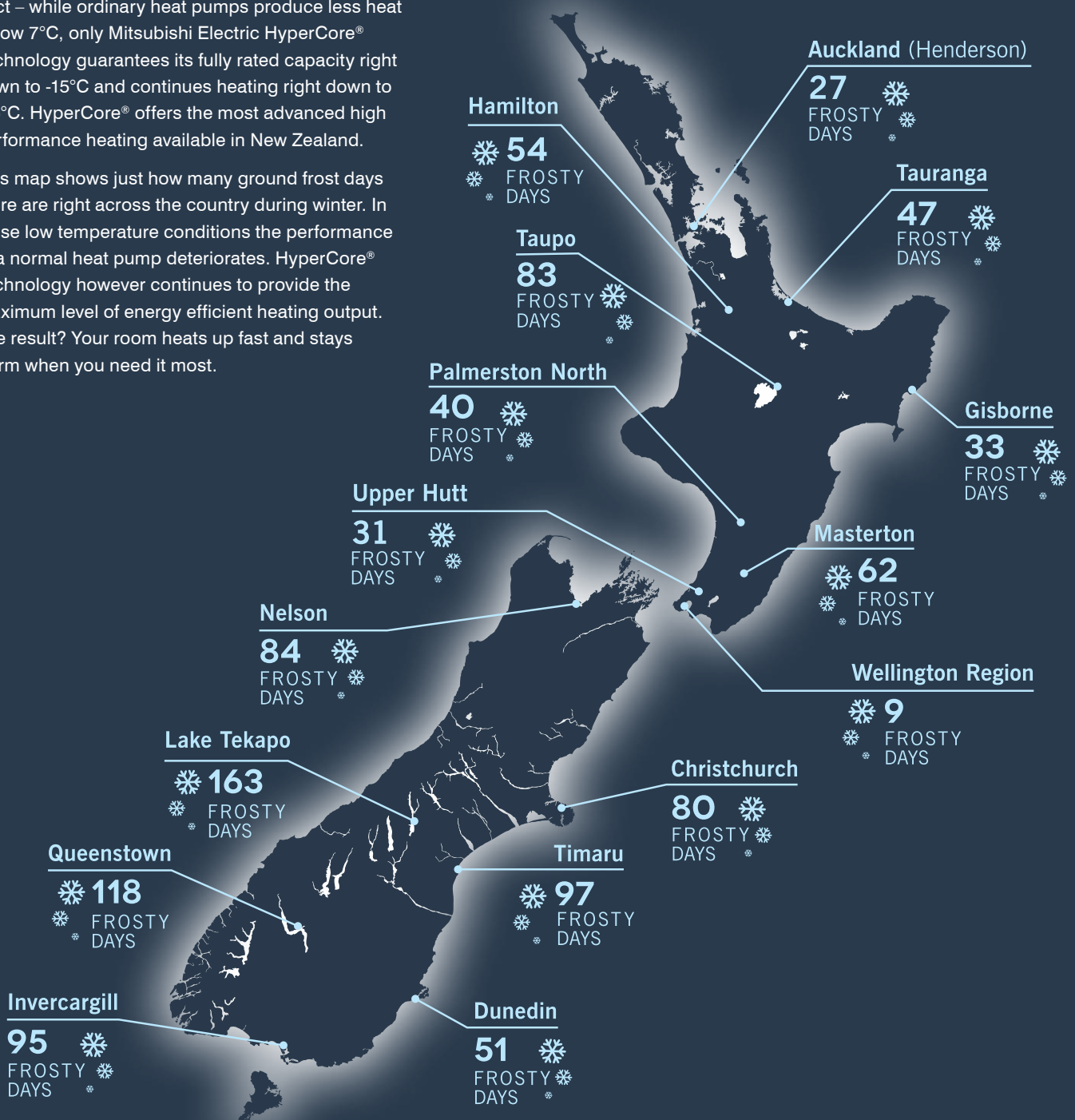


THIS IS **HYPERCORE**[®] COUNTRY

New Zealand's best low temperature heating performance, guaranteed.

Fact – while ordinary heat pumps produce less heat below 7°C, only Mitsubishi Electric HyperCore[®] Technology guarantees its fully rated capacity right down to -15°C and continues heating right down to -25°C. HyperCore[®] offers the most advanced high performance heating available in New Zealand.

This map shows just how many ground frost days there are right across the country during winter. In these low temperature conditions the performance of a normal heat pump deteriorates. HyperCore[®] Technology however continues to provide the maximum level of energy efficient heating output. The result? Your room heats up fast and stays warm when you need it most.



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

HYPERCORE® Series

High Wall Heat Pumps and Floor Consoles

Fact – only HyperCore® Technology by Mitsubishi Electric is specifically designed for New Zealand's winter conditions. While ordinary heat pumps produce less heat below 7°C, only HyperCore® guarantees its fully rated capacity right down to -15°C so your room heats up fast and stays warm when you need it most.



Dimensions (WxDxH): 925x234x305mm (+17mm)



MSZ-FH25VEHZ

Heating Capacity: 3.2 kW (min 1.0kW~max 6.3kW)

Heating Efficiency - COP: 5.49 / ACOP: 5.46

Cooling Capacity: 2.5 kW (min 0.8kW~max 3.5kW)

Cooling Efficiency - EER: 5.06 / AEER: 5.03



MSZ-FH50VEHZ

Heating Capacity: 6.0 kW (min 1.7kW~max 8.7kW)

Heating Efficiency - COP: 4.11 / ACOP: 4.10

Cooling Capacity: 5.0 kW (min 1.9kW~max 6.0kW)

Cooling Efficiency - EER: 3.66 / AEER: 3.65



MSZ-FH35VEHZ

Heating Capacity: 4.0 kW (min 1.0kW~max 6.6kW)

Heating Efficiency - COP: 4.90 / ACOP: 4.88

Cooling Capacity: 3.5 kW (min 0.8kW~max 4.0kW)

Cooling Efficiency - EER: 4.20 / AEER: 4.18



Dimensions (WxDxH): 750 x 215 x 600mm



MFZ-KJ50VEHZ

Heating Capacity: 5.8 kW (min 2.2kW~max 8.4kW)

Heating Efficiency - COP: 3.94 / ACOP: 3.94

Cooling Capacity: 5.0 kW (min 1.6kW~max 5.7kW)

Cooling Efficiency - EER: 3.57 / AEER: 3.57

RapidHeat®

MFZ-KJ60VEHZ

Heating Capacity: 6.8 kW (min 2.2kW~max 9.1kW)

Heating Efficiency - COP: 3.65 / ACOP: 3.65

Cooling Capacity: 6.0 kW (min 1.6kW~max 6.8kW)

Cooling Efficiency - EER: 3.49 / AEER: 3.49

RapidHeat®



OPTIONAL UPGRADE

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

Control your heat pump from anywhere with the award-winning Mitsubishi Electric Wi-Fi Control! Available with all HyperCore® Heat Pumps, you can find out more about this optional upgrade on page 25.

For more about COP and EER see page 31

HyperCore® High Wall Heat Pump Features

See page 28-30 for more information



3 Energy Star® Awarded Models FH25/35/50



Advanced Plasma Quad Filtration



3D i-See Sensor



Low Temperature Performance Down to -25°C



Dual Split Vane Technology



7-Day Programmable Controller



HyperCore® Guarantee – Full Heating Capacity Down to -15°C



Natural Airflow (Cooling & Fan Modes Only)



Optional Wi-Fi Control



Low Standby Power Usage 1W



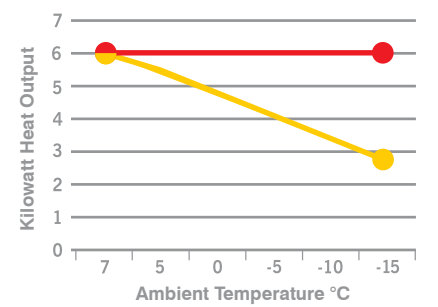
Guaranteed Heating When You Need it Most

As the graph (right) 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® FH50 model continues to deliver the full 6kW you paid for. The result? Your room heats up fast and stays warm when you need it most.

HyperCore® 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.

AMBIENT TEMPERATURE vs HEAT DELIVERY



MSZ-FH50 HyperCore® 6kW Heating High Wall Heat Pump
STANDARD Inverter 6kW Heating High Wall Heat Pump



For more about COP and EER see page 31

HyperCore® Floor Console Features

See page 28-30 for more information



Energy Star® Awarded Model
KJ50



RapidHeat Technology



Multi Vane Airflow



Low Temperature
Performance Down to -25°C



Anti-Allergy Enzyme Filter



7-Day Programmable
Controller



HyperCore® Guarantee – Full
Heating Capacity Down to -15°C



Nano Platinum Filter



Optional Wi-Fi Control



Low Standby Power Usage
0.6W

Classic SLZ Cassettes

Ceiling Mounted

Compact and ultra quiet, our range of Ceiling Cassette Systems are equipped with four-way airflow and cutting edge control. They offer you the flexibility to keep your wall and floor space free without compromising on comfort.



Unit Dimensions (WxDxH): 570x570x235mm
Grille Panel Dimensions (WxDxH): 650x650x20mm

SLZ-KA25VAQ/L

Heating Capacity: 3.1 kW (min 0.9kW ~ max 4.5kW)
Heating Efficiency - COP: 3.94 / ACOP: 3.81
Cooling Capacity: 2.3 kW (min 0.9kW ~ max 3.2kW)
Cooling Efficiency - EER: 3.81 / AEER: 3.64

SLZ-KA50VAQ/L

Heating Capacity: 4.5 kW (min 0.9kW ~ max 6.5kW)
Heating Efficiency - COP: 3.31 / ACOP: 3.25
Cooling Capacity: 4.2 kW (min 1.1kW ~ max 5.2kW)
Cooling Efficiency - EER: 3.35 / AEER: 3.28

Compact Design

Our ceiling cassettes offer complete flexibility without compromising on comfort. With the lightweight unit sitting in your ceiling space, only the grille is visible, providing easy, discreet installation into your home or office.

Long-Life Filter

The built-in filter on all Classic SLZ Cassettes removes dust and other particles, keeping the air clean at all times. Maintenance is as simple as vacuuming. The Long-Life Filters can be used for approximately 2,500 hours before requiring replacement.

Fresh Air Intake

All Classic SLZ Cassettes have an optional Fresh Air Intake on the main body of the indoor unit. This makes it possible to bring fresh air in directly, where it can then be heated to provide clean refreshing comfort.

For more about COP and EER see page 31

Classic Cassette SLZ Series Features

See page 28-30 for more information



Fresh Air Intake



Auto Vane



Whisper Quiet Operation



Long-Life Filter



Auto Change Over Function



4-Way Airflow



24-Hour Controller
SLZ-KA25/50VAL

OR

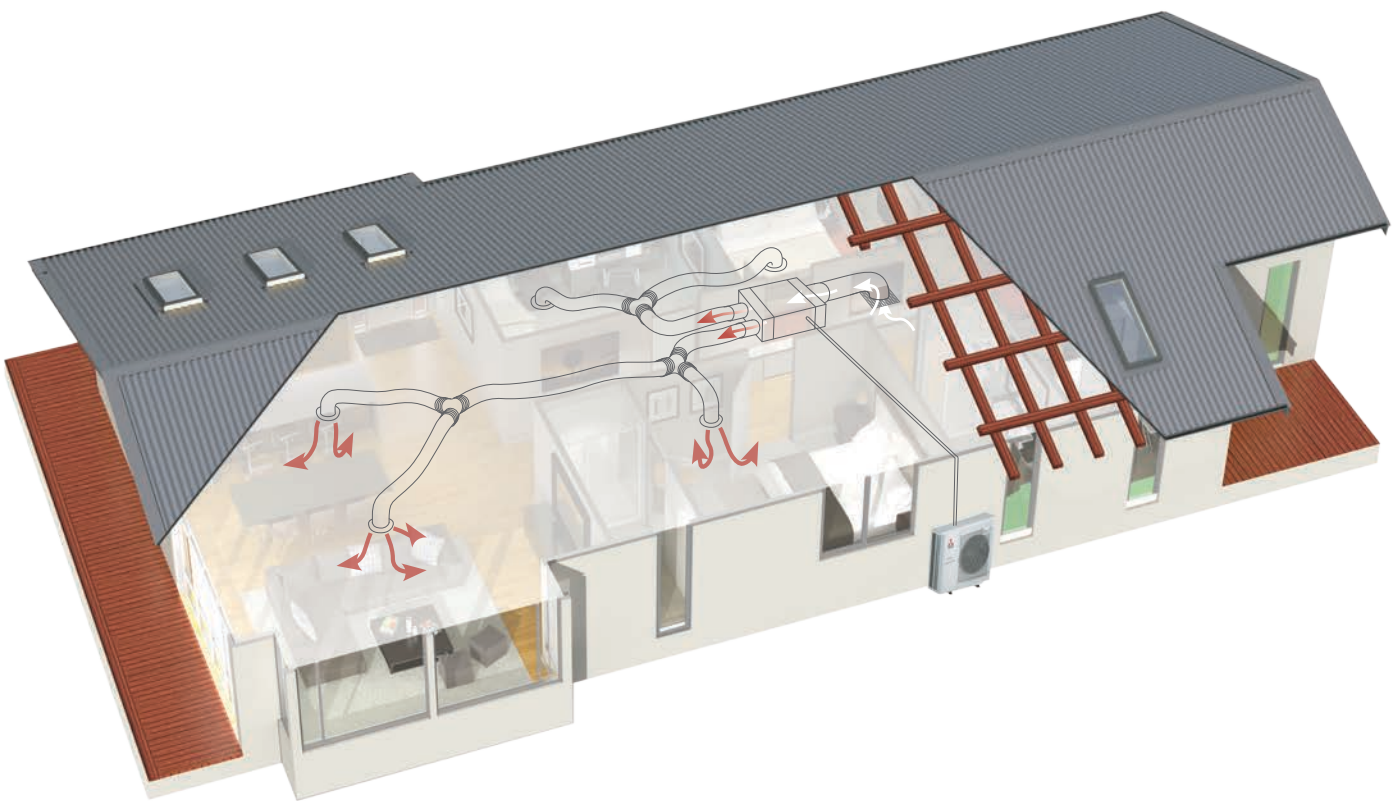


Wall Mounted 7-Day Controller
SLZ-KA25/50VAQ

Ducted Systems

Whole Home Heating

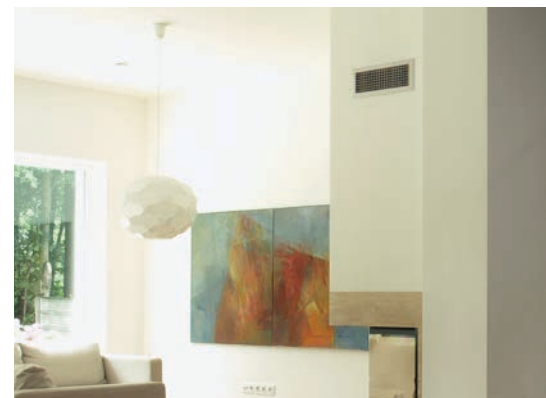
As the most discreet space heating solution available, Ducted Systems offer a stylish, quiet alternative that is largely hidden from view with only subtle air grilles visible. Available for installation in either a bulkhead ceiling space or as a ducted system, they are ideal for both larger residences and offices that value the aesthetics of elegant, unobtrusive heating.



Ducted PEA and PEAD 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 completely 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.



PEAD Series

Ducted Systems

The unobtrusive PEAD Ducted Series is specifically designed for installations where ceiling space is minimal. The system is super energy efficient (PEAD-RP71, PEAD-RP125 and PEAD-RP140 all awarded the Energy Star® mark) 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.



PEAD-RP71JAA

Dimensions (WxDxH): 1100 x 732 x 250mm



PEAD-RP125JAA

Dimensions (WxDxH): 1400 x 732 x 250mm



PEAD-RP140JAA

Dimensions (WxDxH): 1600 x 732 x 250mm

PEAD-RP100JAA

Dimensions (WxDxH): 1400 x 732 x 250mm

Specifications: PEAD Ducted Series (Concealed)

Indoor Unit			PEAD-RP71JAA		PEAD-RP100JAA		PEAD-RP125JAA		PEAD-RP140JAA	
Function	(kW)		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity (min.-max.)	(kW)		7.1 (0.9-8.1)	8.0 (0.9-10.2)	10.0 (4.9-11.4)	11.2 (4.5-14.0)	12.0 (5.5-14.0)	14.0 (5.0-16.0)	13.0 (6.2-15.3)	16.0 (5.7-18.0)
Power Input	(kW)		2.10	2.04	2.77	2.72	3.60	3.50	3.91	4.04
Rated EER/COP			3.38	4.14	3.90	4.53	3.38	4.15	3.29	4.08
Rated AEER/ACOP			3.33	4.08	3.60	4.17	3.18	3.90	3.12	3.86
Power Supply			Single-Phase, 50Hz, 230V							
Airflow (Lo-Hi)	m³/min		17.5-21-25		24-29-34		29.5-35.5-42		32-39-46	
	L/S		292-350-417		400-483-567		492-592-700		533-650-767	
External Static Pressure Pa			35/50/70/100/125							
Sound Pressure Level	(dB)		30-34-39		33-38-42		36-40-44		40-44-49	
Return Air Spigot Size	(mm)		1,058 x 210		1,358 x 210		1,358 x 210		1,558 x 210	
Supply Air Spigot Size	(mm)		1,060 x 178		1,360 x 178		1,360 x 178		1,560 x 178	
Dimensions	Height	(mm)	250							
	Width	(mm)	1,100		1,400		1,600		1,600	
	Depth	(mm)	732							
Weight	(kg)		29		38		39		43	
Outdoor Unit			SUZ-KA71VAD		PUHZ-RP100VKA2		PUHZ-RP125VKA2		PUHZ-RP140VKA2	
Dimensions	Height	(mm)	880				1338			
	Width	(mm)	840				1050			
	Depth	(mm)	330				330 (+30)			
Weight	(kg)		53		118				120	

For more information about the specifications in this table see page 31-32.

PEAD Ducted Heat Pump Features

See page 28-30 for more information



3 Energy Star® Awarded Models PEAD-RP71/125/140



Wide Selection of Fan Speeds



Compact Indoor Units



Optional Zone Controller



Light Weight



Optional Wi-Fi Control



Variable Static Pressure



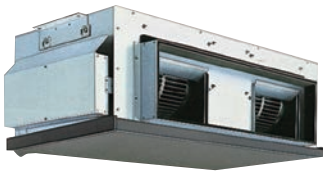
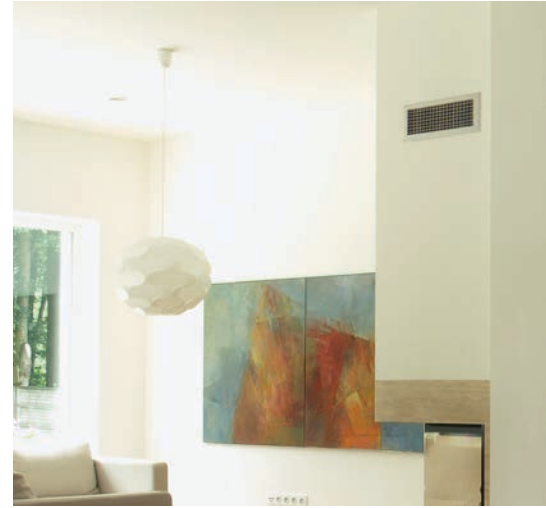
Wi-Fi Control -
Never Return to a
Cold Home Again!

Control your heat pump from anywhere with the award-winning Mitsubishi Electric Wi-Fi Control! Available with the PEAD Series, you can find out more about this optional upgrade on page 25.

PEA Series

Ducted Systems

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 all models achieving the Energy Star® mark, you can rest assured you will experience whisper quiet, whole home ducted heating at its most energy efficient.



PEA-RP100GAA

Dimensions (WxDxH): 1400 x 634 x 400



PEA-RP125GAA

Dimensions (WxDxH): 1400 x 634 x 400



PEA-RP140GAA

Dimensions (WxDxH): 1400 x 634 x 400

Zone Controller

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



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

For more information about the Zone Controller see page 24.

Specifications: PEA Ducted Series (Concealed)

Indoor Unit			PEA-RP100GAA		PEA-RP125GAA		PEA-RP140GAA	
Function	(kW)		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)	13.5 (6.2-15.3)	16.0 (5.7-18.0)
Power Input	(kW)		3.05	3.16	3.97	3.27	4.19	3.90
Rated EER/COP			3.96	4.47	3.27	4.30	3.23	4.14
Rated AEER/ACOP			3.65	4.12	3.10	4.04	3.07	3.93
Power Supply			Single-Phase, 50Hz, 230V					
Airflow (Lo-Hi)	m³/min		34-42		48-60			
	L/S		560-700		800-1000			
External Static Pressure Pa					50/100/150			
Sound Pressure Level	(dB)		39-48		42-49			
Return Air Spigot Size	(mm)				1,102 x 330			
Supply Air Spigot Size	(mm)				921 x 250			
Dimensions	Height	(mm)			400			
	Width	(mm)			1,400			
	Depth	(mm)			634			
Weight	(kg)				63			
Outdoor Unit			PUHZ-RP100VKA2		PUHZ-RP125VKA2		PUHZ-RP140VKA2	
Dimensions	Height	(mm)			1338			
	Width	(mm)			1050			
	Depth	(mm)			330 (+30)			
Weight	(kg)		118				120	

For more information about the specifications in this table see page 31-32.

PEA Ducted Heat Pump Features

See page 28-30 for more information



3 Energy Star® Awarded
Models PEA-RP100/125/140



Optional Zone Controller



Versatile Installation



Optional Wi-Fi Control



High Static Pressure



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

Control your heat pump from anywhere with the award-winning Mitsubishi Electric Wi-Fi Control! Available with the PEA Series, you can find out more about this optional upgrade on page 25.

Multi Room Systems

Whole Home Heating

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

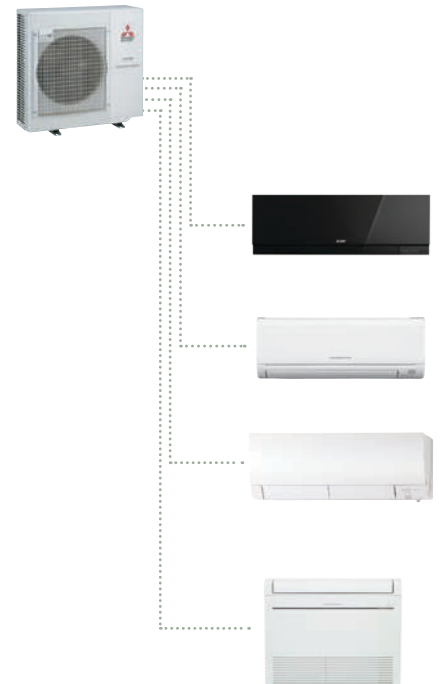
Benefits of a Multi Room System

If more than one room requires heating or cooling, a Multi Room System may be right for you. This system allows the indoor units to be chosen to reflect the specific needs of each room. For example, a whisper quiet high wall could be selected for a bedroom, while a floor console could be used to replace a fireplace in the living room. The indoor units selected will be powered by just one outdoor unit, however Multi Room outdoor units offer the ability to connect the minimum number of indoor units initially, with the option of adding further indoor units later as required.



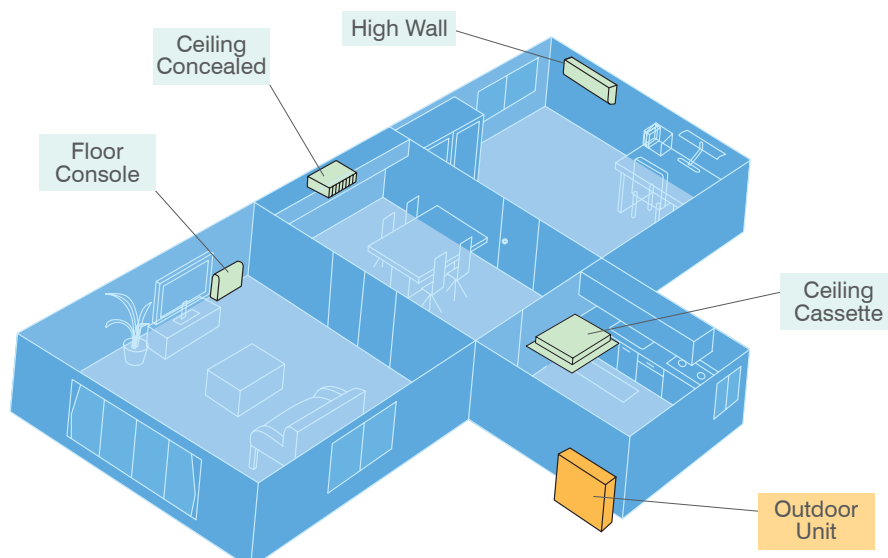
Quiet Operation (Silent Mode)

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



Selecting the Right System

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



Controllers

Handheld Remotes (Standard Inclusions)

24 Hour Controller

Featuring a 24 hour timer, this simple handheld remote features an easy-to-read display and a variety of operating modes at the touch of a button. The timer feature allows users to set a stop/start operation on a daily basis. This remote controller is included as standard on all Classic SLZ Cassettes.



7-Day Programmable Controller

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. This 7-Day Controller is available on the GE Series*, Designer Series, Deluxe FH Series and RapidHeat Series models only.

*GE25/35/42/50 is a Line-of-Sight version, for more details go to page 30.



Wall Mounted Controllers (Optional Upgrade – Interface Required)

PAR-31 7-Day Controller

The PAR-31 Controller allows you to program up to 8 stop/start patterns per day for up to 7 days at a time. Other features include a variety of operation control functions, operation lock and multi-language display. The PAR-31 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.



Central Controllers (Optional Upgrade)

AT-50B 5" LCD Touch Screen

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.



Zone Controller (Ducted Only)

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

The PAC-ZC40~80 Zone Controller brings expanded functionality and interaction, to realise even greater energy savings. With the ability to control up to 8 zones* and equipped with automatic unloading/ramping and three built-in sensor functions (temperature, occupancy, brightness), the Zone Controller brings intuitive, yet simple control to a whole new level.



Temperature
Sensor



Occupancy
Sensor



Brightness
Sensor



Backlit LCD
Touch Screen



Optional
Wi-Fi Control

*PAC-ZC80 only. PAC-ZC40 only allows control of 4 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.

Wi-Fi Control



Customised control and monitoring,
so you never return to a cold home again.

Mitsubishi Electric Optional 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 preheat or precool 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 preheat or precool your bedroom remotely for a perfect night's sleep.



A Warm Wake-Up on Frosty Mornings

Wi-Fi Control is also great for preheating 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 for Multiple Rooms

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 adaptors, multiple indoor units can now be seamlessly monitored and controlled. Simple yet effective centralised control at your fingertips.



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.





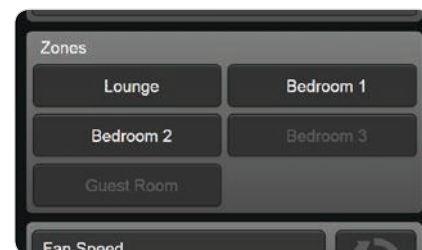
Multiple Locations, One App

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 own 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.



Energy Saving, Optimised

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.



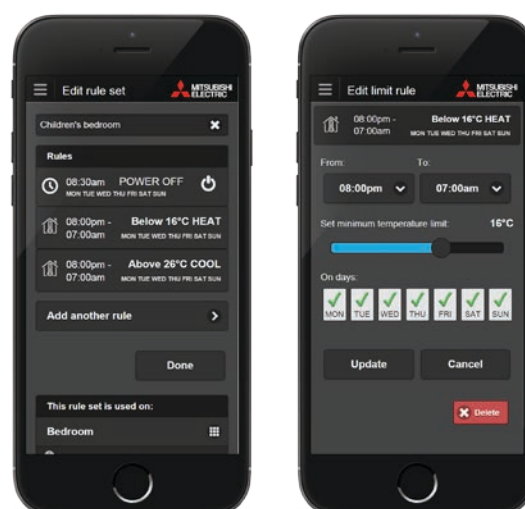
Much More than a 7-Day Controller

Advanced Temperature Management

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.



1 Either choose to edit an existing rule or create a new one.

2 Customise to make your heat pump work as you want it to.

Heat Pump Selection Guide

Ensuring your heat pump is the right size for your home is just as important as choosing the right style.

Each home is as individual as its owner, which is why Mitsubishi Electric offer a wide variety of heat pump options to choose from. Aside from design, the key to selecting the right heat pump to create a comfortable environment is to choose the correct unit size. Choosing an over-sized unit could cost you more in energy usage, while an under-sized heat pump may not provide the heating or cooling the room requires. This guide can be used to give you an approximate idea of heating unit size, but the correct calculation must be carried out by a qualified installer before a unit is purchased.

Room Dimensions in a New or Well-Insulated House

Room Size Calculation						Heat Pump Models						
Room Size	Ceiling Height		Room Volume	Room Size Factor	kW Heat-ing	High Wall Heat Pumps				Floor Consoles		Ceiling
						Classic GE Series	Designer Series	Deluxe FH Series	HyperCore® FH Series	RapidHeat Series	HyperCore® Series	Cassette SLZ Series
4m x 3m	x 2.4m	=	28.8m³	x 55 watts per m³	= 1.6 kW	GE25VAD2†	EF25VE2†	FH25VE†	FH25VEHZ†	KJ25VE†		SLZ-KA25†
4m x 4m	x 2.4m	=	38.4m³	x 55 watts per m³	= 2.1 kW	GE25VAD2†	EF25VE2†	FH25VE†	FH25VEHZ†	KJ25VE†		SLZ-KA25†
4m x 5m	x 2.4m	=	48.0m³	x 55 watts per m³	= 2.6 kW	GE25VAD2†	EF25VE2†	FH25VE†	FH25VEHZ†	KJ25VE†		SLZ-KA25
5m x 5m	x 2.4m	=	60.0m³	x 55 watts per m³	= 3.3 kW	GE25VAD2	EF25VE2	FH25VE	FH25VEHZ	KJ25VE		
6m x 5m	x 2.4m	=	72.0m³	x 55 watts per m³	= 4.0 kW	GE35VAD2	EF35VE2	FH35VE	FH35VEHZ	KJ35VE	KJ50VEHZ†	SLZ-KA50†
6m x 6m	x 2.4m	=	86.4m³	x 55 watts per m³	= 4.7 kW	GE42VAD2	EF42VE2	FH50VE	FH50VEHZ	KJ50VE	KJ50VEHZ	SLZ-KA50
6m x 7m	x 2.4m	=	100.8m³	x 55 watts per m³	= 5.5 kW	GE50VAD2	EF50VE2	FH50VE	FH50VEHZ	KJ50VE	KJ50VEHZ	
7m x 7m	x 2.4m	=	117.6m³	x 55 watts per m³	= 6.5 kW	GE60VAD				KJ60VE	KJ60VEHZ	
7m x 8m	x 2.4m	=	134.4m³	x 55 watts per m³	= 7.4 kW	GE71VAD						
8m x 8m	x 2.4m	=	153.6m³	x 55 watts per m³	= 8.4 kW	GE80VAD						

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

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

Room Size Calculation						Heat Pump Models						
Room Size	Ceiling Height		Room Volume	Room Size Factor	kW Heat-ing	High Wall Heat Pumps				Floor Consoles		Ceiling
						Classic GE Series	Designer Series	Deluxe FH Series	HyperCore® FH Series	RapidHeat Series	HyperCore® Series	Cassette SLZ Series
4m x 3m	x 2.4m	=	28.8m³	x 65 watts per m³	= 1.9 kW	GE25VAD2†	EF25VE2†	FH25VE†	FH25VEHZ†	KJ25VE†		SLZ-KA25†
4m x 4m	x 2.4m	=	38.4m³	x 65 watts per m³	= 2.5 kW	GE25VAD2†	EF25VE2†	FH25VE†	FH25VEHZ†	KJ25VE†		SLZ-KA25
4m x 5m	x 2.4m	=	48.0m³	x 65 watts per m³	= 3.1 kW	GE25VAD2	EF25VE2	FH25VE	FH25VEHZ	KJ25VE		SLZ-KA25
5m x 5m	x 2.4m	=	60.0m³	x 65 watts per m³	= 3.9 kW	GE35VAD2	EF35VE2	FH35VE	FH35VEHZ	KJ35VE	KJ50VEHZ†	SLZ-KA50†
6m x 5m	x 2.4m	=	72.0m³	x 65 watts per m³	= 4.7 kW	GE42VAD2	EF42VE2	FH50VE	FH50VEHZ	KJ50VE	KJ50VEHZ	SLZ-KA50
6m x 6m	x 2.4m	=	86.4m³	x 65 watts per m³	= 5.6 kW	GE50VAD2	EF50VE2	FH50VE	FH50VEHZ	KJ50VE	KJ50VEHZ	
6m x 7m	x 2.4m	=	100.8m³	x 65 watts per m³	= 6.5 kW	GE60VAD				KJ60VE	KJ60VEHZ	
7m x 7m	x 2.4m	=	117.6m³	x 65 watts per m³	= 7.6 kW	GE71VAD						
7m x 8m	x 2.4m	=	134.4m³	x 65 watts per m³	= 8.7 kW	GE80VAD						

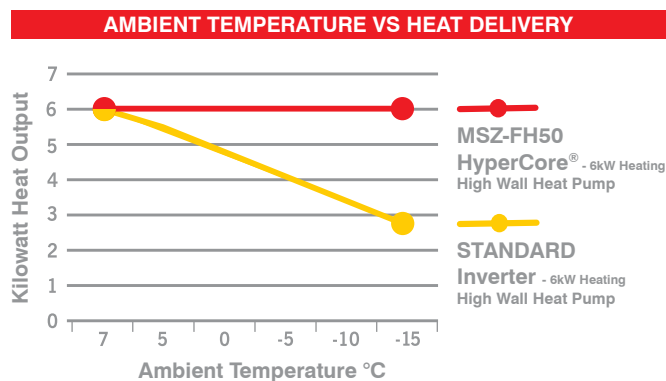
At outdoor ambient 7°C. † Higher rated unit for application, but can be used.

*These are guides only – a heat pump should not be purchased without first obtaining an in-home quote by a qualified Mitsubishi Electric Authorised Installer.

Guaranteed Heating When You Need it Most

As the graph (right) 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® FH50 model continues to deliver the full 6kW you paid for.

HYPERCORE® The only heat pump to guarantee full heating output right down to -15°C.



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

Features Checklist

Model	High Wall Heat Pumps					Floor Consoles		Ceiling Mounted
	GE Series <i>Sml – Med</i>	GE Series <i>Large</i>	Deluxe FH Series	Deluxe FH HyperCore®	Designer Series	RapidHeat	RapidHeat HyperCore®	Classic SLZ Cassettes
Designed To Heat								
Low Temperature Performance	✓	✓	✓	✓	✓	✓	✓	✓
HyperCore® Guarantee				✓			✓	
Superior Comfort								
Whisper Quiet Operation	✓	✓	✓	✓	✓	✓	✓	✓
Quiet Fan Speed	✓	✓	✓	✓	✓	✓	✓	
Auto Vane	✓	✓	✓	✓	✓	✓	✓	✓
Split Vane			✓	✓				
Swing Vertical Vane			✓	✓				
Swing Horizontal Vane	✓	✓	✓	✓	✓	✓	✓	✓
Vertical Airflow						✓	✓	
Wide Airflow		✓						
Long Airflow		✓						
Energy Saving								
DC Inverter + PAM Control	✓	✓	✓	✓	✓	✓	✓	✓
3D i-See Sensor			✓	✓				
i-Save	✓	✓	✓	✓	✓	✓	✓	
Econo Cool	✓	✓	✓	✓	✓	✓	✓	
Rapid Heating						✓	✓	
Fresh Air								
Nano Platinum Filter		✓			✓	✓	✓	
Healthy Catechin Filter	✓							
Anti-Allergy Enzyme Filter	✓					✓	✓	
Electrostatic Anti-Allergy Enzyme Filter		✓	✓	✓	✓*			
Advanced Plasma Quad Filtration			✓	✓				
Long-Life Filter								✓
Sophisticated Design								
Classic White	✓	✓						✓
Glossy White			✓	✓	✓	✓	✓	
Rich Black Diamond					✓			
Matte Silver					✓			
Recessable						✓	✓	
Convenience								
24 Hour Timer on Remote	✓	✓	✓	✓	✓	✓	✓	✓
7-Day Programmable Controller		✓	✓	✓	✓	✓	✓	
7-Day Line-of-Sight Programmable Controller	✓							
Optional Wi-Fi Control	✓*	✓*	✓*	✓*	✓*	✓*	✓*	
Wide Range Cooling Temp	✓	✓	✓	✓	✓	✓	✓	✓
Auto Change Over	✓	✓	✓	✓	✓	✓	✓	✓
Powerful Mode		✓						
Installation & Maintenance								
Failure Recall Function	✓	✓	✓	✓	✓	✓	✓	✓
Simple Flare Connection	✓	✓	✓	✓	✓	✓	✓	✓
Long Length Piping	✓	✓	✓	✓	✓	✓	✓	✓
Connection to Multi Room Systems	✓	✓	✓		✓	✓		✓
Self Diagnosis Function	✓	✓	✓	✓	✓	✓	✓	✓
Quick Clean Body	✓	✓						
Pipe Re-Use Technology	✓	✓	✓	✓	✓	✓	✓	

*Optional Feature

Features Glossary

Designed to Heat

Low Temperature Performance

All Mitsubishi Electric Heat Pumps are designed to deliver energy efficient high performance heating, even when the outside temperature drops below freezing.

HyperCore® Guarantee

Superior heating performance guaranteed, regardless of outdoor temperatures. The only heat pump guaranteed in New Zealand to produce its fully rated heating capacity right down to -15°C and guaranteed to heat down to -25°C. More on page 16-18.



Superior Comfort

Quiet Fan Speed

Mitsubishi Electric Heat Pumps are designed to be very, very quiet. Constant development to reduce sound levels has resulted in our high wall and floor console indoor units starting at an amazingly quiet 19dBA. Mitsubishi Electric Heat Pumps are designed to be quiet on all fan speeds. In addition, the introduction of a quiet fan speed provides truly quiet operation without compromising on comfort levels.

Swing Vanes

In this mode, the vanes will swing automatically, ensuring the heat reaches all areas. In cooling, this also creates a “breeze” effect.

Wide & Long Airflow

The Wide and Long Airflow Modes enable 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 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.

Split Vane

A breakthrough in customised comfort, the split vane design on our Deluxe FH Series allows airflow to be independently directed upwards, downwards or to the side to suit both room design and occupant comfort. Split Vane Airflow provides fast, even and effective heating, while also being a feasible solution in multi-level environments.

Unique Energy Saving Features

RapidHeat Technology

Advanced sensors with Intuitive Control Logic Technology automatically activate RapidHeat Mode at start up in low temperature conditions when two way airflow is selected. The result is unparalleled low temperature heating performance in the shortest amount of time possible whilst maximising energy efficiency.

3D i-See Sensor

The unique 3D i-See Sensor processes thermal heat data to continuously analyse the temperature profile of your room, detecting exactly where occupants are located based on body heat signatures. The technology then directs the perfect amount of heating or cooling where it is needed most. More on page 14.

i-Save Mode

Save your preferred settings including the ability to set a lower set-back temperature of 10°C in heating when the room is unoccupied*. This means that less energy is used returning to the desired temperature when the room is reoccupied.

*Applicable to GE Series, Deluxe FH Series, Designer Series and RapidHeat Series models only.

Econo Cool

The Econo Cool function maximises energy efficient cooling. The target room temperature is automatically increased by 2°C and the airflow is automatically switched to Swing Mode to create a cooling breeze effect. Energy savings are achieved by creating a negligible increase in temperature, saving power.

DC Inverter with PAM Control

Inverter technology matches compressor speed to your indoor heating or cooling requirements. PAM (Pulse Amplitude Modulation) provides higher efficiency within the inverter by controlling the amount of power drawn.

Installation and Maintenance

Pipe Re-Use Technology

Unique to Mitsubishi Electric, our heat pumps are able to replace old R22 systems of any brand with efficient R410A Refrigerant using existing pipe work, reducing wasted materials as well as installation time.

Multi Room Connection

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

Sophisticated Design

Colour Options

We offer a range of colours including Glossy White, Matte Silver and Rich Black Diamond; so your heat pump seamlessly fits in with your home décor.

Recessable

Our heat pumps have been designed to be as compact and slimline as possible. Our RapidHeat Floor Console Series can even be recessed, reducing the overall depth by 33%.

Convenience

24 Hour Timer on Remote

A feature of the infrared remote controllers provided with our heat pumps. Allows one off time and one on time per 24 hour period. This must be reset daily.

7-Day Programmable Controller

Advanced infrared controller allowing the programming of up to four settings (per 24 hour period) including start/stop operation and temperature settings over a 7 day period. This eliminates the need to reset the timer daily. You can program your heat pump to start up before you wake or return home and regulate your energy usage without compromising on comfort. More on page 24.

7-Day Programmable Line-of-Sight Controller

Standard infrared controller allowing the programming of up to four settings (per 24 hour period) including start/stop operation and temperature settings over a 7 day period. This eliminates the need to reset the timer daily. This controller is specific to the GE 25/35/42/50 models only and must be positioned within line-of-sight of the indoor unit for the 7-Day Timer operation to function – see instruction manual for more details.

Optional Wi-Fi Control

This innovative technology connects your Mitsubishi Electric Heat Pump(s) to your smartphone, tablet or online account, allowing you to control each unit on-the-go via an internet connection. Purchase additional adaptors to customise each heat pump to suit your needs. Advanced features not available on standard remotes are now possible with Wi-Fi Control.

Auto Change Over

The system will automatically switch between heating and cooling once the desired temperature is reached, to maintain the room temperature without user intervention.

Powerful Mode

The automatic, one-touch Powerful Mode ensures faster heating or cooling by producing more airflow than even the Super High Fan Speed setting. A room can be heated or cooled to the desired temperature in less than 15 minutes before the unit automatically returns to the regular setting.

A Breath of Fresh Air

Advanced Plasma Quad Filtration

This multi-stage, washable filtration system includes an Advanced Electrostatic Plasma Filter that effectively captures and decomposes dust particles, allergens, mould spores, viruses and bacteria. The additional Air Purifying Filter, in combination with a separate Deodorising Filter, effectively neutralises odours from the air. The result is the circulation of fresh, clean air back into the room. This level of filtration is ideal in capturing a significant portion of common asthma and allergy triggers. For more information please see page 15.

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.

Healthy Catechin Filter

Catechin is a compound found in green tea which is well known for its deodorising, anti-bacterial and anti-virus properties. With our innovative technology, Catechin has been infused deeply into every molecule of the filter to keep the air in your home healthy. In addition to improving air quality, it helps prevent the spreading of bacteria throughout the room. The long-life Catechin Filter is washable and easily removed for cleaning and maintenance.



Anti-Allergy Enzyme Filter

This washable air cleaning filter traps harmful particles such as dust, pollen and other airborne pollutants that can cause allergic reactions. Furthermore, the synthetic Enzyme Catalyst infused in the filter helps break down harmful microbes such as bacteria, mould and dust mites.







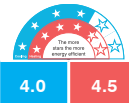

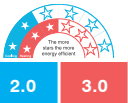
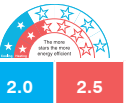
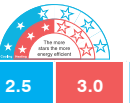


Electrostatic Anti-Allergy Enzyme Filter

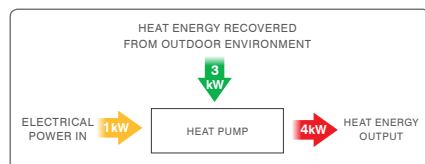
This washable advanced two stage air cleaning filter is charged with static electricity, enabling it to effectively attract and capture dust, pollen and other particles that can cause allergic reactions. The synthetic Enzyme Catalyst infused in the filter helps break down harmful microbes such as bacteria, mould and dust mites.

Long-Life Filter

The built-in filter removes dust and contaminants, keeping air purified and deodorised. Maintenance is as simple as regular vacuuming. The washable Long-Life Filters can be used for approximately 2,500 hours before requiring replacement.

Specifications

QUICK GLANCE	TYPE										
	SERIES			Classic GE Series							
	MODEL			MSZ-GE25	MSZ-GE35	MSZ-GE42	MSZ-GE50	MSZ-GE60	MSZ-GE71	MSZ-GE80	
	INDOOR UNIT			MSZ-GE25VAD2	MSZ-GE35VAD2	MSZ-GE42VAD2	MSZ-GE50VAD2	MSZ-GE60VAD	MSZ-GE71VAD	MSZ-GE80VAD	
	OUTDOOR UNIT			MUZ-GE25VAD2	MUZ-GE35VAD2	MUZ-GE42VAD2	MUZ-GE50VAD2	MUZ-GE60VAD	MUZ-GE71VAD	MUZ-GE80VAD	
	COOL			2.5kW 4.40 EER 19 dBA*	3.5kW 3.98 EER 19 dBA*	4.2kW 3.38 EER 26 dBA*	4.8kW 3.34 EER 28 dBA*	6.0kW 3.55 EER 29 dBA*	7.1kW 3.49 EER 30 dBA*	7.8kW 3.31 EER 30 dBA*	
	HEAT			3.0kW 4.66 COP 19 dBA*	4.0kW 4.08 COP 19 dBA*	5.0kW 3.86 COP 26 dBA*	5.8kW 3.61 COP 28 dBA*	6.8kW 3.84 COP 29 dBA*	8.1kW 3.82 COP 30 dBA*	9.0kW 3.54 COP 30 dBA*	
	ENERGY STAR®										
	ENERGY RATING										
			4.0	4.5	3.0	3.5	2.0	3.0	2.0	2.5	
COOL	Capacity	Rated	[kW]	2.5	3.5	4.2	4.8	6.0	7.1	7.8	
		Min.- Max.	[kW]	1.1-3.5	1.1-4.0	0.9-4.8	1.4-5.4	1.5-7.5	2.4-8.7	2.4-9.2	
	Input	Rated	[kW]	0.57	0.92	1.26	1.48	1.76	2.13	2.46	
	EER			4.40	3.98	3.38	3.34	3.55	3.49	3.31	
	AEER			4.28	3.91	3.34	3.30	3.51	3.46	3.28	
	Star Rating			4	3	2	2	2.5	2	2	
	Indoor Sound Level	(Quiet)	[dBA]	19	19	26	28	29	30	30	
		(Low-SHi¹)	[dBA]	21-29-36-42	22-30-36-43	30-35-40-46	33-38-44-49	37-41-45-49	37-41-45-49	37-41-45-49	
	Running Current (In+Out)			[A]	2.9	4.4	5.8	6.8	7.8	9.4	11.3
Max. Current			[A]	7.4	8.6	10.0	13.0	14.5	16.6	16.6	
Air Volume In (SHi²)			[L/s]	188	212	213	252	305	297	297	
HEAT	Capacity	Rated	[kW]	3.0	4.0	5.0	5.8	6.8	8.1	9.0	
		Min.- Max.	[kW]	1.3-4.1	1.6-5.3	1.4-6.0	1.4-7.2	2.0-9.3	2.2-9.9	2.2-11.1	
		@ -15°C	[kW]	**	**	**	**	**	**	**	
	Input	Rated	[kW]	0.66	0.99	1.29	1.65	1.77	2.11	2.55	
	COP			4.66	4.08	3.86	3.61	3.84	3.82	3.54	
	ACOP			4.54	4.02	3.81	3.58	3.80	3.78	3.52	
	Star Rating			4.5	3.5	3.0	2.5	3	3	2.5	
	Indoor Sound Level	(Quiet)	[dBA]	19	19	26	28	29	30	30	
		(Low-SHi¹)	[dBA]	21-29-36-42	22-30-36-43	30-35-40-46	33-37-43-48	37-41-45-49	37-41-45-49	37-41-45-49	
	Running Current (In+Out)			[A]	3.5	4.6	7.0	7.4	7.8	9.5	11.2
Max. Current			[A]	7.4	8.6	10	13.0	14.5	16.6	16.6	
Air Volume In (SHi²)			[L/s]	192	192	218	242	305	297	297	
Controller	Standard			Infrared Remote with 7-Day Timer				Infrared Remote with 7-Day Timer			
	Optional Wired 7-Day Timer			Optional: PAR-31 (Interface Required)				Optional: PAR-31 (Interface Required)			
Adaptor	Optional Wi-Fi Adaptor			Optional: MAC-559IF-E				Optional: MAC-559IF-E			
Power Supply	(Powered from Outdoor Unit)			230 / Single Phase / 50 Hz				230 / Single Phase / 50 Hz			
Indoor	Dimensions (WxDxH)		[mm]	798 x 232 x 295				1,100 x 238 x 325			
	Weight		[kg]	10				16			
Outdoor	Dimensions (WxDxH)		[mm]	800 x 285 x 550	800 x 285 x 550	800 x 285 x 550	840 x 330 x 850	840 x 330 x 880	840 x 330 x 880	840 x 330 x 880	
	Weight		[kg]	30	33	36	54	50	53	53	
	Sound Level - SPL³ (Cooling-Heating)		[dBA]	46-48	47-48	50-51	54-56	55-55	55-55	55-55	
Piping	Diameter (Liquid/Gas)		[mm]	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	6.35 / 15.88	9.52 / 15.88	9.52 / 15.88	
	Max. Length/Height⁵		[m]	20 / 12	20 / 12	20 / 12	30 / 15	30 / 15	30 / 15	30 / 15	
	Chargeless Piping Length		[m]	7	7	7	7	10	10	10	
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	
Colour				White				White			





















Measure of Energy Efficiency – COP / EER

A calculated measurement of energy efficiency for both heating and cooling using the ratio of kW input to kW output. Known as the Coefficient of Performance (COP) for heating, and Energy Efficiency Ratio (EER) for cooling. The higher the number, the more efficient a heat pump is. In the example pictured, the COP would be 4.0.

Measure of Energy Efficiency – ACOP / AEER

A calculated measurement of annual efficiency. In addition to the ratio of kW input to kW output, this calculation factors in other variables like the non-operating (standby) power of the heat pump. The higher the number, the more efficient a heat pump is.

High Wall Heat Pumps										
	Designer Series				Deluxe FH Series			HyperCore® FH Series		
	MSZ-EF25	MSZ-EF35	MSZ-EF42	MSZ-EF50	MSZ-FH25	MSZ-FH35	MSZ-FH50	MSZ-FH25VEHZ	MSZ-FH35VEHZ	MSZ-FH50VEHZ
	MSZ-EF25VE2W/B/S	MSZ-EF35VE2W/B/S	MSZ-EF42VE2W/B/S	MSZ-EF50VE2W/B/S	MSZ-FH25VE	MSZ-FH35VE	MSZ-FH50VE	MSZ-FH25VE	MSZ-FH35VE	MSZ-FH50VE
	MUZ-EF25VE	MUZ-EF35VE	MUZ-EF42VE	MUZ-EF50VE	MUZ-FH25VE	MUZ-FH35VE	MUZ-FH50VE	MUZ-FH25VEHZ	MUZ-FH35VEHZ	MUZ-FH50VEHZ
	2.5kW 4.58 EER 21 dBA*	3.5kW 3.91 EER 21 dBA*	4.2kW 3.29 EER 28 dBA*	5.0kW 3.11 EER 30 dBA*	2.5kW 5.06 EER 20 dBA*	3.5kW 4.20 EER 21 dBA*	5.0kW 3.66 EER 27 dBA*	2.5kW 5.06 EER 20 dBA*	3.5kW 4.20 EER 21 dBA*	5.0kW 3.66 EER 27 dBA*
	3.2kW 4.59 COP 21 dBA*	4.0kW 4.31 COP 21 dBA*	5.4kW 3.82 COP 28 dBA*	5.8kW 3.55 COP 30 dBA*	3.2kW 5.49 COP 20 dBA*	4.0kW 4.90 COP 21 dBA*	6.0kW 4.11 COP 25 dBA*	3.2kW 5.49 COP 20 dBA*	4.0kW 4.90 COP 21 dBA*	6.0kW 4.11 COP 25 dBA*
										
										
	4.5	4.5	3.0	4.0	2.0	2.5	1.5	2.5	5.5	6.0
	2.5	3.5	4.2	5.0	2.5	3.5	5.0	2.5	3.5	5.0
	1.2 - 3.4	1.4 - 4.0	0.9 - 4.6	1.4 - 5.4	1.4 - 3.5	0.8 - 4.0	1.9 - 6.0	0.8 - 3.5	0.8 - 4.0	1.9 - 6.0
	0.55	0.91	1.28	1.56	0.51	0.86	1.38	0.51	0.86	1.38
	4.58	3.91	3.29	3.11	5.06	4.20	3.66	5.06	4.20	3.66
	4.55	3.89	3.28	3.11	5.03	4.18	3.65	5.03	4.18	3.65
	4.5	3.0	2.0	1.5	5.5	3.5	2.5	5.5	3.5	2.5
	21	21	28	30	20	21	27	20	21	27
	23-29-36-42	24-29-36-42	31-35-39-42	33-36-40-43	23-29-36-42	24-29-36-42	31-35-39-44	23-29-36-42	24-29-36-42	31-35-39-44
	2.9	4.2	5.7	6.9	2.7	4.0	6.1	2.7	4.0	6.1
	7.3	8.5	9.5	12.4	9.6	10	14	9.6	10	14
	175	175	172	183	193	193	206	193	193	206
	3.2	4.0	5.4	5.8	3.2	4.0	6.0	3.2	4.0	6.0
	1.1 - 4.2	1.8 - 5.5	1.4 - 6.3	1.6 - 7.5	1.8 - 5.5	1.0 - 6.3	1.7 - 8.7	1.0 - 6.3	1.0 - 6.6	1.7 - 8.7
	**	**	**	**	**	**	**	3.2	4.0	6.0
	0.70	0.96	1.46	1.57	0.58	0.8	1.48	0.58	0.8	1.48
	4.59	4.31	3.82	3.55	5.49	4.90	4.11	5.49	4.90	4.11
	4.57	4.29	3.81	3.55	5.46	4.88	4.10	5.46	4.88	4.10
	4.5	4.0	2.5	2.5	6.0	5.0	3.5	6.0	5.0	3.5
	21	21	28	30	20	21	25	20	21	25
	24-29-37-45	24-30-38-46	30-35-41-48	33-37-43-49	24-29-36-44	24-29-36-44	29-34-39-46	24-29-36-44	24-29-36-44	29-34-39-46
	3.5	4.4	6.5	7.0	2.9	3.8	6.5	2.9	3.8	6.5
	7.3	8.5	9.5	12.4	9.6	10	14	9.6	10	14
	198	212	212	220	220	220	243	220	220	243
	Infrared Remote with 7-Day Timer				Infrared Remote with 7-Day Timer					
	Optional: PAR-31 (Interface Required)				Optional: PAR-31 (Interface Required)					
	Optional: MAC-559IF-E				Optional: MAC-559IF-E					
	230 / Single Phase / 50 Hz				230 / Single Phase / 50 Hz					
	885 x 195 x 299				925 x 234 x 305 (+17)					
	11.5				13.5					
	800 x 285 x 550	800 x 285 x 550	800 x 285 x 550	840 x 330 x 880	800 x 285 x 550		840 x 330 x 880	800 x 285 x 550		840 x 330 x 880
	30	35	35	54	37		55	37		55
	47-48	49-50	50-51	52-52	46 - 49	49 - 50	51 - 54	46 - 49	49 - 50	51 - 54
	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7
	20 / 12	20 / 12	20 / 12	30 / 15	20 / 12	20 / 12	30 / 15	20 / 12	20 / 12	30 / 15
	7	7	7	7	7	7	7	7	7	7
	-10 / +46	-10 / +46	-10 / +46	-10 / +46	-10 / +46	-10 / +46	-10 / +46	-10 / +46	-10 / +46	-10 / +46
	-15 / +24	-15 / +24	-15 / +24	-15 / +24	-15 / +24	-15 / +24	-15 / +24	-25 / +24	-25 / +24	-25 / +24
	White, Silver, Black				White					

Note:

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.

Refrigerant piping length (one way): 5m.

Guaranteed operating range: see specifications table.

Dry function will not work when the room temperature is below 13°C.

Sound Level:

- (Low-SHi*) Low/Medium/High/Super High.
- (SHi = Super High).
- SPL: Sound Pressure Level measured under rated operating frequency.
- (Low-Hi*) Low/Medium/High.

*Sound Levels rated at lowest fan speed

** Refer to Technical Manual

5. 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.

EER = Energy Efficiency Ratio













COP = Coefficient of Performance

AEER = Annual Energy Efficiency Ratio

ACOP = Annual Coefficient of Performance

Colour: Heat pump units shown may not be colour accurate, please ensure you view an actual unit for colour matching.

Specifications

QUICK GLANCE	TYPE			Floor Console Heat Pumps						Ceiling Mounted Heat Pumps			
	SERIES			RapidHeat Series				RapidHeat HyperCore® Series		Cassette SLZ Series			
	MODEL			MFZ-KJ25	MFZ-KJ35	MFZ-KJ50	MFZ-KJ60	MFZ-KJ50VEHZ	MFZ-KJ60VEHZ	SLZ-KA25	SLZ-KA50		
	INDOOR UNIT			MFZ-KJ25VE	MFZ-KJ35VE	MFZ-KJ50VE	MFZ-KJ60VE	MFZ-KJ50VE	MFZ-KJ60VE	SLZ-KA25VAL/Q	SLZ-KA50VAL/Q		
	OUTDOOR UNIT			MUFZ-KJ25VE	MUFZ-KJ35VE	MUFZ-KJ50VE	MUFZ-KJ60VE	MUFZ-KJ50VEHZ	MUFZ-KJ60VEHZ	SUZ-KA25VAD	SUZ-KA50VAD		
	COOL			2.5kW 4.84 EER 20 dBA*	3.5kW 3.84 EER 20 dBA*	5.0kW 3.57 EER 27 dBA*	6.0kW 3.47 EER 27 dBA*	5.0kW 3.57 EER 27 dBA*	6.0kW 3.49 EER 27 dBA*	2.3kW 3.81 EER 28 dBA*	4.2kW 3.35 EER 30 dBA*		
	HEAT			3.4kW 4.42 COP 19 dBA*	4.3kW 3.81 COP 19 dBA*	5.8kW 3.83 COP 29 dBA*	6.8kW 3.59 COP 29 dBA	5.8kW 3.94 COP 29 dBA*	6.8kW 3.65 COP 29 dBA*	3.1kW 3.94 COP 28 dBA*	4.5kW 3.31 COP 30 dBA*		
	ENERGY STAR®												
ENERGY RATING													
COOL	Capacity	Rated	[kW]	2.5	3.5	5.0	6.0	5.0	6.0	2.3		4.2	
		Min.- Max.	[kW]	0.5 - 3.4	0.5 - 3.7	1.6 - 5.7	1.6 - 6.8	1.6 - 5.7	1.6 - 6.8	0.9 - 3.2		1.1 - 5.2	
	Input	Rated	[kW]	0.54	0.90	1.4	1.75	1.4	1.75	0.6		1.27	
	EER			4.84	3.84	3.57	3.47	3.57	3.49	3.81		3.35	
	AEER			4.84	3.84	3.57	3.47	3.57	3.49	3.64		3.28	
	Star Rating			5.0	3.0	2.5	2.0	2.5	2.0	2.5		2.0	
	Indoor Sound Level	(Quiet)	[dBA]	20	20	27	27	27	27	-		-	
		(Low-SHI¹)	[dBA]	25-30-35-39	25-30-35-39	31-35-39-44	35-39-46-53	31-35-39-44	35-39-46-53	28-31-37⁴		30-34-39⁴	
	Running Current (In+Out)		[A]	2.7	4.2	6.2	7.8	6.2	7.8	3.7		6.8	
Max. Current		[A]	9.4	9.4	14	16.5	14	16.5	8.2		16.0		
Air Volume In (SHi²)		[L/s]	137	137	177	250	177	250	167		183		
HEAT	Capacity	Rated	[kW]	3.4	4.3	5.8	6.8	5.8	6.8	3.1		4.5	
		Min.- Max.	[kW]	1.2 - 4.6	1.2 - 5.8	2.2 - 8.2	2.2 - 9.1	2.2 - 8.4	2.2-9.1	0.9 - 4.5		0.9 - 6.5	
		@ -15°C	[kW]	**	**	**	**	5.8	6.8	**		**	
	Input	Rated	[kW]	0.77	1.10	1.5	1.89	1.5	1.89	0.82		1.37	
	COP			4.42	3.81	3.83	3.59	3.94	3.65	3.94		3.31	
	ACOP			4.42	3.81	3.83	3.59	3.94	3.65	3.81		3.25	
	Star Rating			4.0	3.0	3.0	2.5	3.0	2.5	3.0		1.5	
	Indoor Sound Level	(Quiet)	[dBA]	19	19	29	29	29	29	-		-	
		(Low-SHI¹)	[dBA]	25-30-35-41	25-30-35-41	35-40-45-50	35-41-47-51	35-40-45-50	35-41-47-51	28-31-37⁴		30-34-39⁴	
Running Current (In+Out)		[A]	3.7	5.0	6.7	8.4	6.7	8.4	4.3		7.1		
Max. Current		[A]	9.4	9.4	14	16.5	14	16.5	8.2		16.0		
Air Volume In (SHi²)		[L/s]	162	162	233	243	233	243	167		183		
Controller	Standard			Infrared Remote with 7-Day Timer						~VAL: Infrared Remote,			
	Optional Wired 7-Day Timer			Optional: PAR-31 (Interface Required)						~VAQ: Wired 7-Day Timer			
Adaptor	Optional Wi-Fi Adaptor			Optional: MAC-559IF-E						-			
Power Supply	(Powered from Outdoor Unit)			230 / Single Phase / 50 Hz						230V / Single Phase / 50 Hz			
Indoor	Dimensions (WxDxH)	[mm]	750 x 215 x 600						570 x 570 x 235 (Panel: 650 x 650 x 20)				
	Weight	[kg]	15						16.5 (Panel: 3)				
Outdoor	Dimensions (WxDxH)	[mm]	800 x 285 x 550		840 x 330 x 880		840 x 330 x 880		800 x 285 x 550		840 x 330 x 850		
	Weight	[kg]	37		55		55		30		53		
	Sound Level - SPL³ (Cooling-Heating)	[dBA]	46-51	47-60	49-63	52-65	49-63	52-65	46-46		53-55		
Piping	Diameter (Liquid/Gas)	[mm]	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	6.35 / 12.7	6.35 / 12.7	6.35 / 12.7	6.35 / 9.52		6.35 / 12.7		
	Max. Length/Height⁵	[m]	20 / 12	20 / 12	30 / 15	30 / 15	30 / 15	30 / 15	20 / 12		30 / 15		
	Chargeless Piping Length	[m]	7	7	7	7	7	7	7		7		
Operation Range Outdoor	Cooling	[°C]	-10 / +46	-10 / +46	-10 / +46	-10 / +46	-10 / +46	-10 / +46	-10 / +46		-15 / +43		
	Heating	[°C]	-15 / +24	-15 / +24	-15 / +24	-15 / +24	-25 / +24	-25 / +24	-10 / +24		-10 / +24		
Colour				White						White			

Please go to page 31 - 32 for reference information.

Your Heat Pump Recommendation

Store Contact Details

Staple business card here

Range Recommended (Circle Below)



Classic GE Series
High Wall Heat Pumps p.7



Designer Series
High Wall Heat Pumps p.9



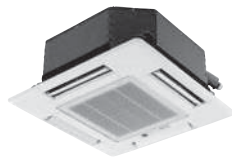
RapidHeat[®] Series
Floor Consoles p.11



Deluxe FH Series
High Wall Heat Pumps p.13



HYPERCORE[®] Series
High Wall Heat Pumps &
Floor Consoles p.16-18



Cassette SLZ Series
Ceiling Mounted p.19



Concealed/Ducted
p.20 - 22



Multi Room
p.23

Model(s) Recommended

Notes

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





Black Diamond Technologies

Exclusive distributor of
Mitsubishi Electric products in NZ

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CHRISTCHURCH BRANCH

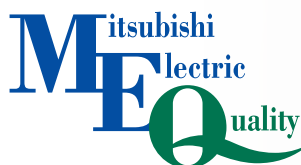
44 Halwyn Drive
PO Box 16904
Hornby, Christchurch 8441

Phone (03) 341 2837
Fax (03) 341 2838

Be sure to ask for Mitsubishi Electric. Other brands share the 3-diamond logo, however they are separate to the Mitsubishi Electric brand and cannot supply the models, features or guarantees outlined in this brochure. | All models, features and specifications are subject to change and amendment at anytime. June 2017

5 Year Warranty

The Mitsubishi Electric Heat Pumps listed in this brochure come with a full 5 year parts, labour and compressor warranty. Warranty conditions apply.



Quality you can rely on

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

Your Guarantee Of Excellence

This emblem is your assurance of the very best in technology and quality as it represents Mitsubishi Electric's continuing efforts in making our heat pumps the industry standard. Every Mitsubishi Electric Heat Pump is a product of thorough research, relentless testing and a resolute determination to improve upon vital performance characteristics. As a result, our heat pumps have become more durable, less costly to operate, quieter, easier to install and maintain and better able to distribute air evenly throughout any type of interior. This kind of commitment to quality enables our products to create remarkably pleasant environments that will ultimately make your life more comfortable.