



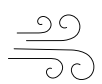
HEATING



COOLING



HOT WATER



VENTILATION



Total Home Solutions Designed for New Zealand Living



Quietly Superior



## A Complete Solution for Every Home

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Mitsubishi Electric is making the lives of New Zealanders more comfortable with solutions to heat, cool and ventilate their homes.

Our solutions are specifically designed for all types of New Zealand living, whether your project is a stand-alone home, townhouse or apartment.

Because of our ability to offer more environmentally friendly products, advanced technologies and sleek designs – it's no wonder that the brand has been trusted by New Zealanders for over 40 years.

With so much to consider when building or renovating, planning your heating, cooling and ventilation solution early on will ensure it is integrated effectively into your project.

Check out our range of total home solutions in this catalogue and talk to a Mitsubishi Electric Specialist about your next project.



# Why Choose Mitsubishi Electric?

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## New Zealand Owned and Operated

In New Zealand, Mitsubishi Electric is exclusively distributed by Black Diamond Technologies (BDT). 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 service and the best support.

## Quality You Can Rely On

Through constant development and use of cutting-edge, innovative technologies, our air conditioning, hot water and ventilation products have become more durable, less costly to operate, quieter and easier to install and maintain.

## Nationwide Trained Specialist Installation Network

Providing further reassurance, Mitsubishi Electric air conditioning, hot water and ventilation products are installed through an extensive network of trained specialist dealers. This ensures you are supported with a superior level of product and installation quality.

## New Zealand Based Product and Technical Support Teams

Mitsubishi Electric products are backed by one of the largest, most knowledgeable technical and customer support teams.

## Robust Warranty to Protect Homeowners

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

## Our Commitment to Sustainability

Mitsubishi Electric 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.

## Creating New Zealand's Sustainable Future

BDT holds New Zealand's environmental challenges close to its heart. As a company, BDT continues to implement initiatives to reduce carbon emissions throughout the supply chain as well as minimise waste (increase recycling) and address energy consumption through use of efficient lighting, heating and transportation. By constantly challenging everyone involved to combat the issues we all face and encouraging constructive dialogue throughout the industry, BDT aim to help everyone address both energy use and carbon emissions, and as a result, work towards a sustainable future for New Zealand.



BLACK DIAMOND  
TECHNOLOGIES – 100%  
LOCALLY OWNED AND  
OPERATED



NATIONWIDE  
TRAINED SPECIALIST  
INSTALLATION  
NETWORK



COMPREHENSIVE  
5 YEAR PARTS  
AND LABOUR  
WARRANTY





# Single Room Heat Pump Solutions

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. Our heat pumps are designed specifically to perform in New Zealand's varied climate with advanced features engineered to suit the lifestyle of New Zealanders.

## 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 18dBA, our EcoCore AP Series High Wall and RapidHeat Floor Console indoor units are New Zealand's quietest\*1; because we want you to feel the warmth, not hear it.

## 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.

## HyperCore Technology

Mitsubishi Electric HyperCore Technology, available as standard\*2 with the Black Diamond LN Series and as an optional upgrade on the RapidHeat KW Floor Console Series is specifically designed to ensure its full rated capacity is produced, even on the coldest days. In fact, we guarantee this right down to -15°C!

## Award-Winning Wi-Fi Control

Developed by New Zealanders for New Zealanders, Wi-Fi Heat Pump Control gives you the freedom to tailor your heat pump system to suit your lifestyle wherever you are – so you'll never return to a cold home again.

Heat Pump  
**Wi-Fi**  
CONTROL



### Standard GS Series

Superior efficiency, quality and value.



### Designer EF Series

Stylish with an award-winning design.



### AP Mini

New Zealand's smallest high wall ever!\*3



### Black Diamond LN Series

Our best heat pump ever!



### EcoCore AP Classic and AP Plus Series

New Zealand's quietest heat pump ... ever!\*1



### RapidHeat KW Series

New Zealand's quietest floor console.\*1

\*1 MSZ-AP25 indoor sound level on lowest fan setting in Heating Mode and MFZ-KW25/35/42 indoor sound level on lowest fan setting in heating mode.

\*2 The Black Diamond Series LN60 does not feature HyperCore Technology

\*3 Indoor unit total volume size of 0.034m<sup>3</sup>

# Multi Room Heat Pump Solutions

Until recently, a traditional single split-system approach has been used by homeowners wanting to install more heat pumps in other rooms. However, this requires connecting an additional outdoor unit for every extra indoor unit, which can clutter the outdoor exterior.

## Mitsubishi Electric OmniCore Multi Room – The Perfect Heat Pump for Each Room with Just a Single Outdoor Unit

Mitsubishi Electric OmniCore Multi Room Systems have the ability to heat or cool up to eight rooms with just one outdoor unit. With over 100 different combinations available, homeowners are able to choose the perfect heat pump for each and every room in their home – keeping them comfortable without cluttering the exterior. Whether it is a small capacity whisper quiet high wall for the bedroom, a sleek coloured heat pump to make a style statement in the lounge, an unobtrusive cassette in the dining room or a compact recessed floor console for the home office, there is a style for every space.

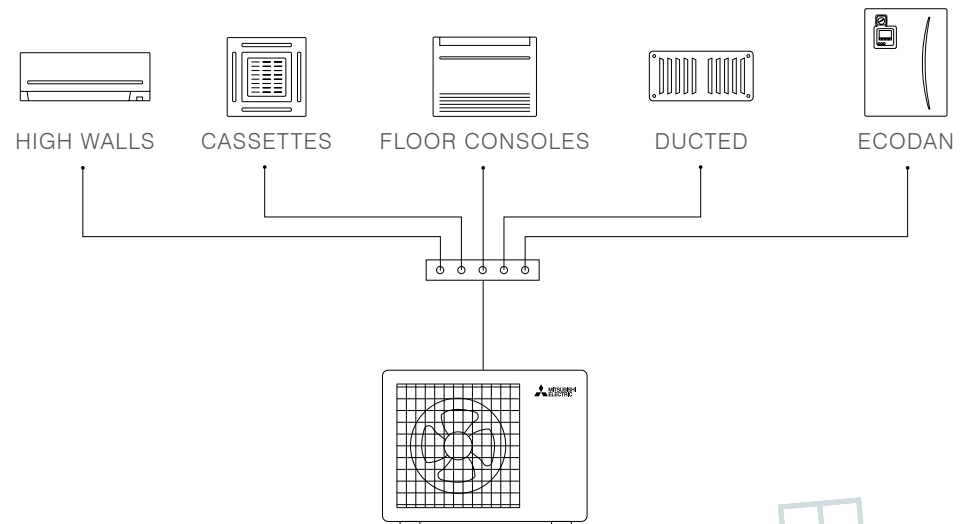
### Why Choose an OmniCore Multi Room System?

- From 2 to 8 room solutions
- Over 100 different combinations available
- Whisper quiet heating and cooling
- Style for each and every room
- Individual temperature control
- Clutter-free exterior with just one outdoor unit
- Future-proof and add units as the family grows

## Combine a Multi Room System with Hot Water Heating

A Mitsubishi Electric Multi Room Air Conditioning System can be combined with an Ecodan Hot Water System for energy efficient cooling in summer and hot water heating all year round. Just like a traditional multi room system, any indoor unit from the Mitsubishi Electric Multi Room Range can be connected with just a single outdoor unit. This includes high walls, floor consoles, ceiling mounted and ducted concealed units.

### Which Units Can Be Connected to a Multi Room System?



OmniCORE

+  
MULTI  
ROOM  
+HOT WATER





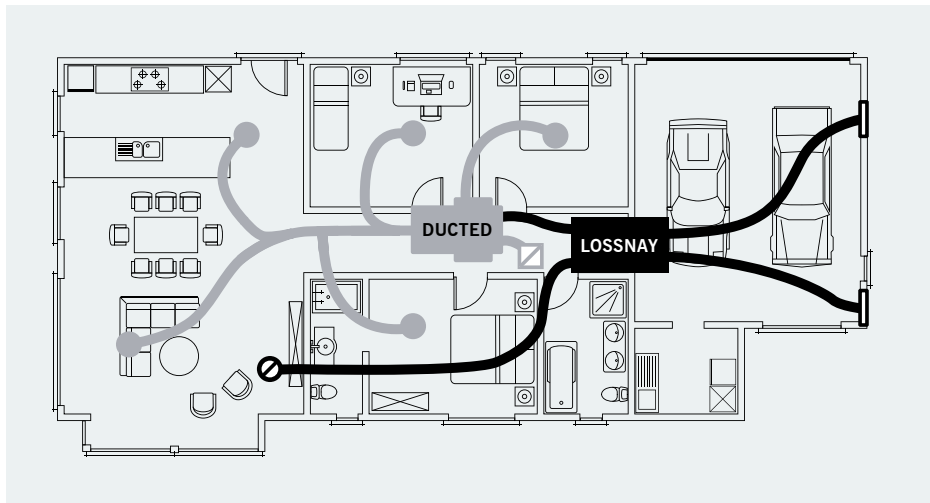


# Central Heating and Ventilation

A central ducted heat pump system is designed to ensure your whole home is a comfortable temperature all year round. 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.

## Mitsubishi Electric Central Ducted Heat Pump Systems

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. There is a large selection of models to suit every home including a 'splittable' model that can be separated into two during transportation and fit through a ceiling hole, ideal for the remodelling of existing homes.



## Combine a Central Ducted Heat Pump System with Fresh Air Heat Recovery Ventilation

Mitsubishi Electric Lossnay Ventilation can be integrated with a ducted heat pump system offering a complete home heating, cooling and ventilation solution. The Mitsubishi Electric Lossnay System is a patented heat recovery ventilation solution that uses fresh air (not attic air) to ventilate your home. The system works by extracting stale air from inside your house and replacing it with allergen-reduced fresh air from outside. At the same time, the system recovers heat energy from the stale air and uses this to pre-warm (or pre-cool) the incoming air. The result? A warmer, drier and healthier home that costs less to heat (or cool).

## Why Choose a Central Ducted Heat Pump System with Fresh Air Heat Recovery Ventilation?

- Designed specifically for your home
- Whole-home temperature control
- Discrete and unobtrusive
- Grilles can be customised to fit your home aesthetic
- Lossnay Fresh Air Ventilation – recover energy to pre-warm (or cool) incoming air
- Optional Wi-Fi and Zone Control

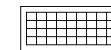
## Common Diffuser Types



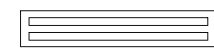
ROUND



SQUARE



GRILLE



LINEAR

# Fresh Air Heat Recovery Ventilation

Creating a healthy living environment is important when renovating or building a new home. In addition to efficient heating and cooling, this should include the optimum amount of fresh air.

Current building regulations now demand homes to be built more airtight as they are subjected to higher insulation standards, but this often means a lack of natural ventilation and can lead to a build-up of moisture-laden stale air within the home. Mould and dampness can compromise both building materials as well as furnishings inside the home, especially window sills, curtains and carpets, let alone also having a harmful impact on the health of the home's occupants.

The option of leaving doors or windows open to allow more fresh air to enter is often not the solution from an outdoor noise, weather or security perspective and can make heating the home less energy efficient. This is where the Mitsubishi Electric Lossnay System can make a real difference.

## The Lossnay Difference

The Mitsubishi Electric Lossnay Fresh Air Heat Recovery Ventilation System allows you to have a well-ventilated home without the need to open windows. The system works by extracting stale air from inside your house and replacing it with allergen-reduced fresh air from outside. Furthermore, Lossnay also recovers heat energy from the outgoing stale air to pre-warm (or pre-cool) the fresh air being drawn into your home.

## Why Choose Lossnay Fresh Air Heat Recovery Ventilation?

- **Draws in fresh air from the outside not the attic**
- **Removes stale air**
- **Reduces moisture build-up**
- **Improves air quality for better health and wellbeing**
- **Efficient energy recovery that pre-warms or pre-cools incoming air**

## Ventilation Solutions to Suit Most New Zealand Homes

Mitsubishi Electric offers a full Lossnay Fresh Air Heat Recovery Ventilation Range from in-ceiling whole home heat recovery solutions, to ducted and wall-mounted single room models. The latest addition to the range is the Vertical Lossnay that features a small, upright footprint allowing it to be placed in the garage or a utility cupboard and therefore isn't limited to an in-roof installation.

## Lossnay Heat Recovery Ventilation Solutions







# Hot Water Heat Pumps

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Increasing energy bills, coupled with the need to heat our homes and hot water efficiently, is driving the demand for alternative forms of domestic heating. Mitsubishi Electric has utilised their expertise and industry-leading technology to develop next generation Ecodan Air-to-Water Heat Pumps – a super energy efficient solution that combines both domestic hot water heating and space heating / cooling in one system.

## Ecodan Hot Water Heat Pumps

With an Ecodan Hot Water Heat Pump, homeowners can enjoy reliable hot water as well as whole home heating through radiators, fan coils, and/or underfloor heating, for a comfortable home all year round.

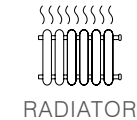
Because Ecodan uses super-efficient heat pump technology and has a smart controller to efficiently manage hot water consumption, a homeowner can save up to 70%\* on hot water and heating costs when compared to traditional hot water heating systems.

An Ecodan Hot Water Heat Pump is an investment that not only will pay off fast with lower electricity bills each month, but will future-proof the home for years to come.

## Why choose an Ecodan Hot Water Heat Pump?

- **Highly efficient central heating and hot water**
- **Whole home central heating through radiators, fan coils, and/or underfloor heating**
- **Save up to 70% on hot water and heating costs\***
- **Reliable performance in outdoor temperatures as low as -15°C**
- **Ideal for new build, renovations or retro-fit applications**
- **Manage hot water consumption with smart energy monitoring**
- **Quiet outdoor operation – ideal for high density housing**
- **Low carbon footprint**

## Ecodan Hot Water Heat Pump Solutions



\* Estimated using COP data based on BSEN14511 standard rating conditions. 7°C outdoor temp, 35°C outlet water temp. The BSEN14511 testing relates to the heat pump performance only and not the entire heating system, when compared to traditional hot water heating systems.

# Ventilation Fans

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With homes becoming more and more airtight, good ventilation is a crucial factor to consider in order to ensure indoor air quality is of an acceptable standard. Good ventilation, in bathrooms and around the home, is a crucial element in minimising odour, condensation and mould issues that can build up – if not managed correctly.

## Low Noise, High-Performance Air and Moisture Extraction Fans

Mitsubishi Electric Ducted Exhaust Fans are specifically designed to quickly and efficiently remove moisture and odours in the quietest way possible. They are ideal for areas that are typically exposed to higher levels of moisture such as laundries, bathrooms and toilets.

## Complement Your Lossnay Ventilation System With a Separate Exhaust Fan for Wet Areas Such as Bathrooms and Laundries

While many systems – including Lossnay – can draw from moisture-laden air, to get the most energy efficiency out of your heat recovery system, a separate Mitsubishi Electric Ducted Exhaust Ventilation Fan System can be beneficial in wet areas such as bathrooms. While a bathroom can be warm during showers, when not in use they are often the coldest rooms in the home – so why combine that cold air to the air you are hoping to recover heat from and reduce the overall temperature you can recover? Exhaust fans do an excellent job at removing steam and moisture quickly and are turned off when not needed, saving energy use.

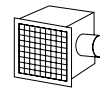
## Why Choose a Ducted Exhaust Fan?

- Ideal for moisture extraction in laundries, bathrooms and toilets
- Centrifugal fan with long-life ball bearing motor
- Quiet, low vibration operation
- Energy efficient for increased power savings
- Stylish design that blends well with surroundings

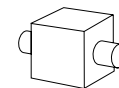
## Low Noise, Energy Efficient High Volume Air Extraction Fan

Mitsubishi Electric In-Line Fans are the ideal ventilation solution for a wide range of applications including living rooms, toilets, changing rooms and offices where energy efficient, high volume air extraction is required. The light weight and compact in-line fan can maintain a high airflow rate while operating down to a low 18.5dBA.\*

## Ventilation Fan Solutions



DUCTED FANS



IN-LINE FANS

\* V-15ZMW-E at Low fan speed.









## Add a Heatpump Cover for the Finishing Touch

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Mitsubishi Electric has teamed up with Heatpump Covers who specialise in building New Zealand made custom covers to hide the outdoor heat pump compressor unit.

Heatpump Covers come in two styles designed to fit all sizes of residential outdoor units.

### Standard Style Heatpump Covers

The Standard Heatpump Cover features a clean and simple design, with a sturdy colour aluminium top to match.

### Premium Style Heatpump Covers

The Premium Heatpump Cover features a hardwood timber top inlaid into an aluminium frame with hand-finished detailed edges and an oiled surface to elevate it to sit alongside the finest outdoor furniture and building features. The timber top also acts as an extra surface to use for food and drink or a favourite pot plant.



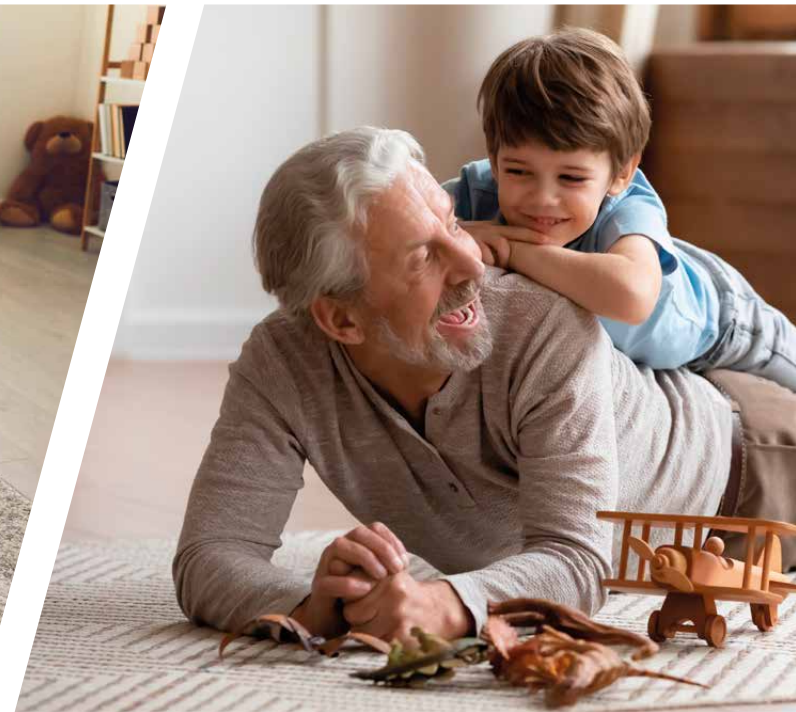
### Colour Options to Seamlessly Integrate with the Architectural Features of Your Home

With a nearly endless choice of powder coating colours from Dulux® and Interpon®, the Heatpump Cover can seamlessly be integrated with the architectural features of the home.

### Quality Approved by Mitsubishi Electric

Only covers made by Heatpump Covers Limited are specifically performance tested and approved by Mitsubishi Electric. The unique design ensures the air is controlled by keeping the inlet and outlet separate. Furthermore, the flow of the louvre and carefully dimensioned covers ensures that the heat pump continues to perform as it should.





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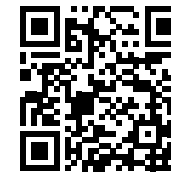
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