

Central Heating and Ventilation

Highly Efficient Ducted Heating, Cooling and Ventilation



Quiet, unobtrusive comfort for your whole home



Efficient comfort for your whole home

Ducted Heat Pumps

Heat or cool your whole home with one ducted heat pump system.

Mitsubishi Electric Ducted Heat Pump Systems are the ultimate solution for unobtrusive, whole home comfort. Designed for easy installation in ceiling or bulkhead spaces, ducted heat pumps are hidden from view, with only subtle grilles visible. Using concealed ducting to connect multiple rooms for heating or cooling, these systems are ideal for residential or commercial applications.

Why Choose Heat Pump Technology?



Energy Efficiency

The Energy Star® mark is awarded to the most energy efficient heat pumps available in New Zealand which means better performance all winter long. The PEAD-RP71, PEAD-RP125 and PEAD-RP140 models have been awarded the Energy Star® mark, signalling they meet strict energy efficiency standards.



Wi-Fi Control Upgrade

With the addition of award-winning Mitsubishi Electric Wi-Fi Control, you can control and monitor your heat pump from absolutely anywhere via your smartphone, tablet or online account.



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 allow comfort at the touch of a button – there's no manual tasks such as cutting or stacking firewood.



Grille Options

Mitsubishi Electric Ducted Heat Pump Systems allow for a wide range of grille options to best suit your installation needs. From ceiling and wall installations, to under floor grille options, talk to your installer about what's right for you.



Deluxe Weekly Controller

This attractive full dot liquid crystal display incorporates a large backlit screen and simple menus for easy operation. You can set up to 8 temperature and airflow patterns per day for seven days, allowing you to reduce your energy consumption; saving you both time and money.



Optional Zone Controller Upgrade

Transform your ducted system. With the ability to control up to 8 zones, expanded functionality and interaction, intuitive airflow control, and temperature, occupancy and brightness sensors - the PAC-ZC Zone Controller brings intuitive, yet simple control to a whole new level.



Healthy, fresh air ventilation

Lossnay Fresh Air Ventilation

Energy Recovery Ventilation Solutions

Ventilating your home is vital as it maintains air quality and removes moisture, creating a healthier environment. The Mitsubishi Electric Lossnay System is a patented energy 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.

The Mitsubishi Electric Lossnay System is great not only for your home, but also for commercial applications such as schools. Here, high levels of CO₂ can be found which can reduce effective learning. A Lossnay System combats this issue by increasing the levels of oxygen and reducing CO₂ by removing stale air.



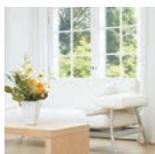
Improved Air Quality

Draws in fresh outdoor air and circulates it continuously. Air quality is improved as high levels of CO₂, odours and other pollutants are removed from your home.



Creates a Healthier Home

Fresh air coming into your home is filtered improving air quality for allergy and asthma sufferers.



Fresh Air Without Windows Open

Lossnay allows you to have a well-ventilated home without the need to open windows. This improves the security of your home and family and means outdoor noise is minimised.



Energy Efficient

As the Lossnay pre-heats or pre-cools the incoming fresh air, your heating system isn't required to work as hard to reach desired temperature. This is highly energy efficient, reducing heating bills.



Retains Heat

Lossnay's unique Heat Recovery Technology collects up to 86% of the heat energy in outgoing air which is then used to pre-warm or cool the fresh air vented in.



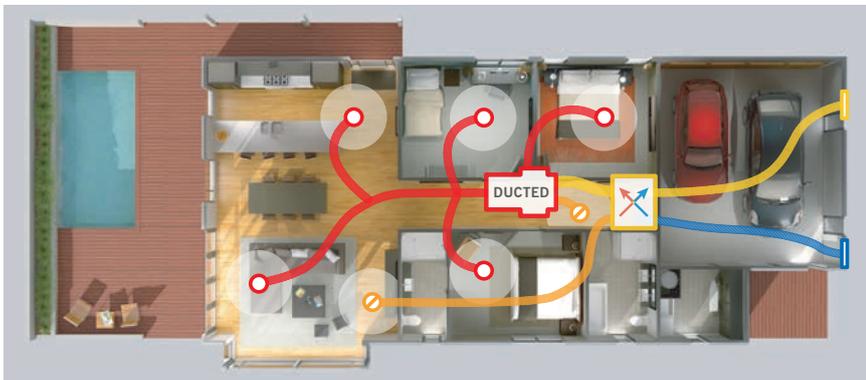
Assists Moisture Control

Lossnay effectively helps to reduce moisture from your home by directly removing stale air that causes condensation via the Lossnay core. This manages both energy recovery and moisture levels.



The best of both worlds

Heating and Ventilation in Your Home



-  Extracts air
-  Supplies fresh heated air
-  Lossnay energy recovery unit

Reduce your heating bill by combining your heating system with Lossnay Ventilation

The Mitsubishi Electric Lossnay system can be integrated with a PEAD Ducted Heat Pump and controlled from one central wall mounted controller for optimum ease of use. The benefits of these individual systems are further enhanced when used together. Combining Lossnay with a Mitsubishi Electric Ducted Heat Pump system is the ultimate home heating and ventilation solution for superior comfort and health.

The Lossnay system recovers energy from the stale air it extracts from your home to pre-heat or pre-cool incoming fresh air. This process has many advantages as your heating system is only required to complete a small amount of additional heating or cooling to bring your home to a desired temperature. This is highly energy efficient, significantly reducing your heating bill. The ability to pre-heat incoming fresh air also means your home can be brought to the desired temperature faster and your heat pump is not required to work as hard to do so. Additionally, by having a well-ventilated home the air is much drier, speeding up the heating process. These two systems will ultimately create a healthier environment for you and your family.

	Heat Pump	Ventilation	Ducted Heat Pump + Ventilation
Heating/Cooling	✓		✓
Fresh Outside Air		✓	✓
Filtered Air (Dust etc. removed)	✓	✓	✓
Energy Efficient	✓	✓	✓
Energy Recovery (Heat Exchange)		✓	✓



The ultimate in heat pump technology

Ducted Central Heating



How do ducted heat pumps work?

Ducted heat pumps combine the efficiency and convenience of heat pump technology into a whole home solution. Through installation of a ducted heat pump into a ceiling or bulkhead space, multiple rooms can be connected for heating and cooling, making this the ideal system for residential or commercial applications. Using concealed ducting, this product is hidden from view with only subtle grilles visible.

Mitsubishi Electric provides the ultimate ducted heat pump solutions for unobtrusive, whole home comfort. By incorporating Mitsubishi Electric High Wall Heat Pump technology, the PEAD ducted range includes superior technology that provides quietness and efficiency.

Installation is simple with Mitsubishi Electric indoor units. A slim design means low ceilings and minimal clearance space is no issue and the possibilities are endless. This makes Mitsubishi Electric PEAD Ducted Systems perfect for a wide range of variations in airflow settings and cost effective heating and cooling of your home. They are also the answer to commercial building airflow requirements.

Package Options (PEAD-RP71 only)

Mitsubishi Electric have customised ducting packages specifically designed for PEAD-RP71 installations. Catering for up to four rooms and 8kW of heating, the PEAD-RP71 central heating package offers an alternative to gas central heating systems. Ask about our packages for more details.

Included in Mitsubishi Electric ducting packages (PEAD-RP71 only):



PEAD Series Indoor Supply Air Plenum



PEAD Series Indoor Return Air Plenum



ECO Round Diffusers

ECO Round Diffusers

This remarkable series of diffusers greatly assists with the efficiency of heating systems to achieve optimum room conditions by utilising a bi-metallic element to change the air flow characteristics.

Specifications: Ceiling-concealed (PEAD)									
Indoor Unit		PEAD-RP71JAA		PEAD-RP100JAA		PEAD-RP125JAA		PEAD-RP140JAA	
Outdoor Unit		SUZ-KA71VAD		PUHZ-RP100VKA2		PUHZ-RP125VKA2		PUHZ-RP140VKA2	
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 AEEER/ACOP		3.33	4.08	3.60	4.17	3.18	3.90	3.12	3.86
Indoor Unit		PEAD-RP71JAA		PEAD-RP100JAA		PEAD-RP125JAA		PEAD-RP140JAA	
Power Supply Outdoor Unit		230V, Single-phase, 50Hz							
Airflow	CMM	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)	1,058×210		1,358×210		1,358×210		1,558×210	
Supply Air Spigot Size	(mm)	1,060×178		1,360×178		1,360×178		1,560×178	
Dimensions	Height	(mm)		250					
	Width	(mm)		1,100		1,400		1,600	
	Depth	(mm)		732					
Weight	(kg)	29		38		39		43	
Energy Star®									

Any questions? Please call our customer service team on **0800 784 382**

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