



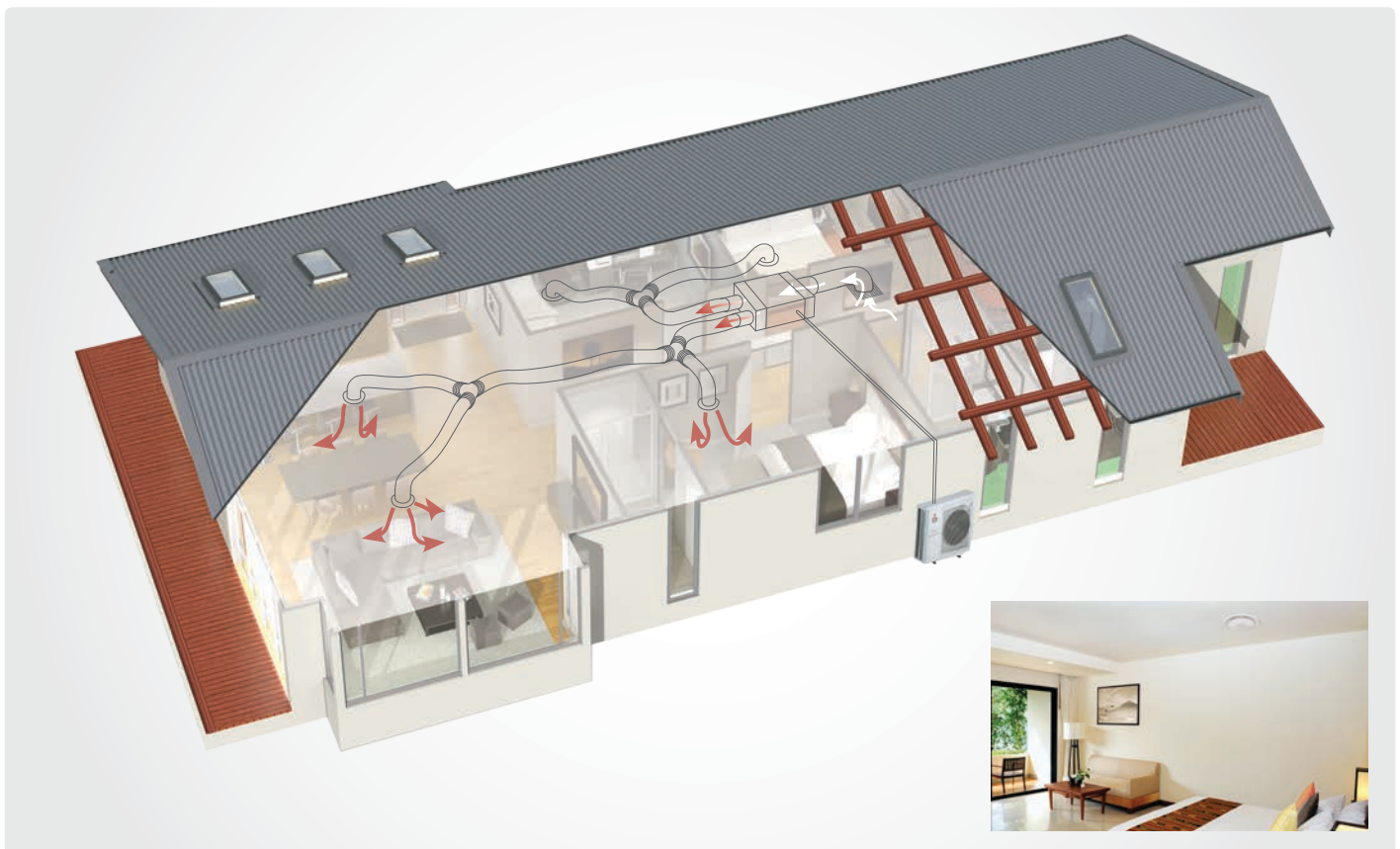
Central Heating and Ventilation





The ultimate in heat pump technology

Ducted Central Heating

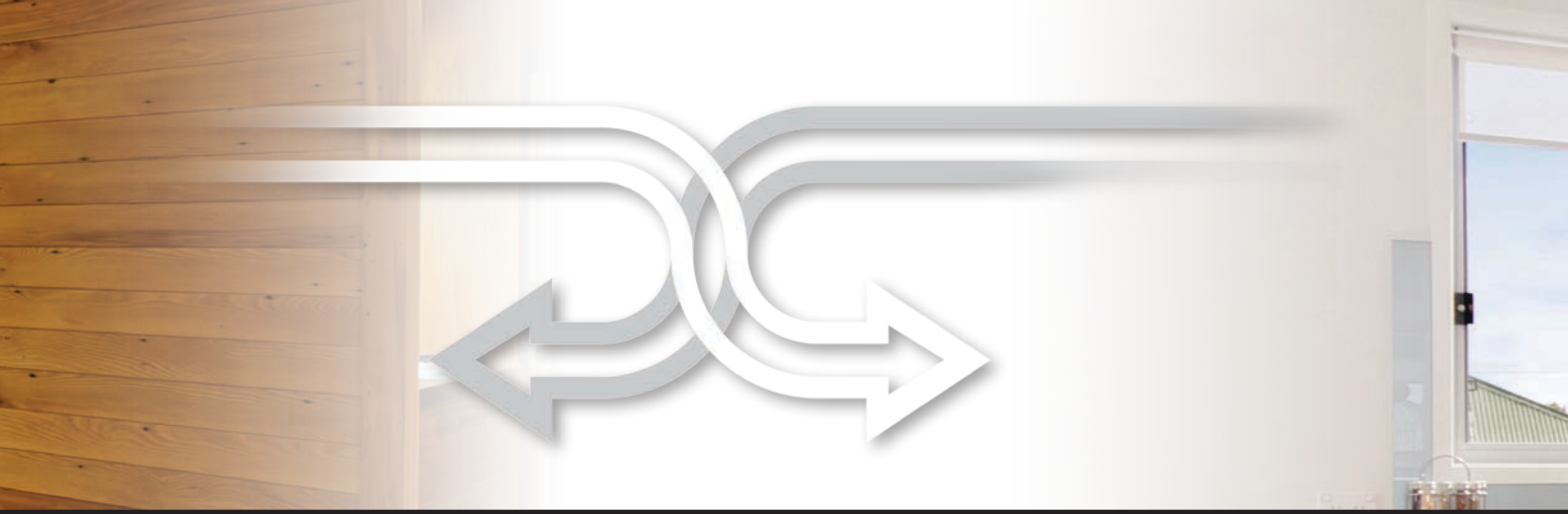


How do ducted heat pumps work?

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 thin 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.



Healthy, fresh air ventilation

Lossnay Fresh Air Ventilation

Energy Recovery Ventilation Solutions

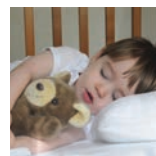
Ventilating your home is vital as it maintains air quality and removes moisture creating a healthier environment. The Mitsubishi Electric Lossnay System is a patented energy recovery ventilation solution that uses fresh air (not attic air) to ventilate your home. The system works by extracting stale 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 commercial applications such as schools also. Here high levels of CO₂ can be found and this can reduce effective learning. A Lossnay System combats this issue by increasing the levels of oxygen and reducing CO₂ by removing stale air.



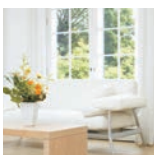
Improved Air Quality

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

The Lossnay Ventilation system allows you to have a well-ventilated home without the need to open windows. This improves the safety of your home and family and means you no longer need to hear outdoor noise.



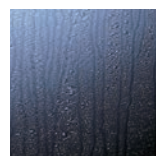
Energy Efficient

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

Where Lossnay gets really clever is with its environmentally friendly 'Energy Recovery' system. Put simply, energy is collected as stale air is taken out of the house and this energy is used to pre-heat or pre-cool fresh air being 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.



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?



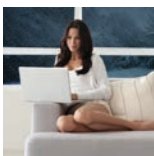
Energy Efficiency

Heat pumps offer the highest levels of energy efficiency with the ability to provide 3-4kW 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.



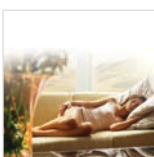
Convenient Comfort

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.



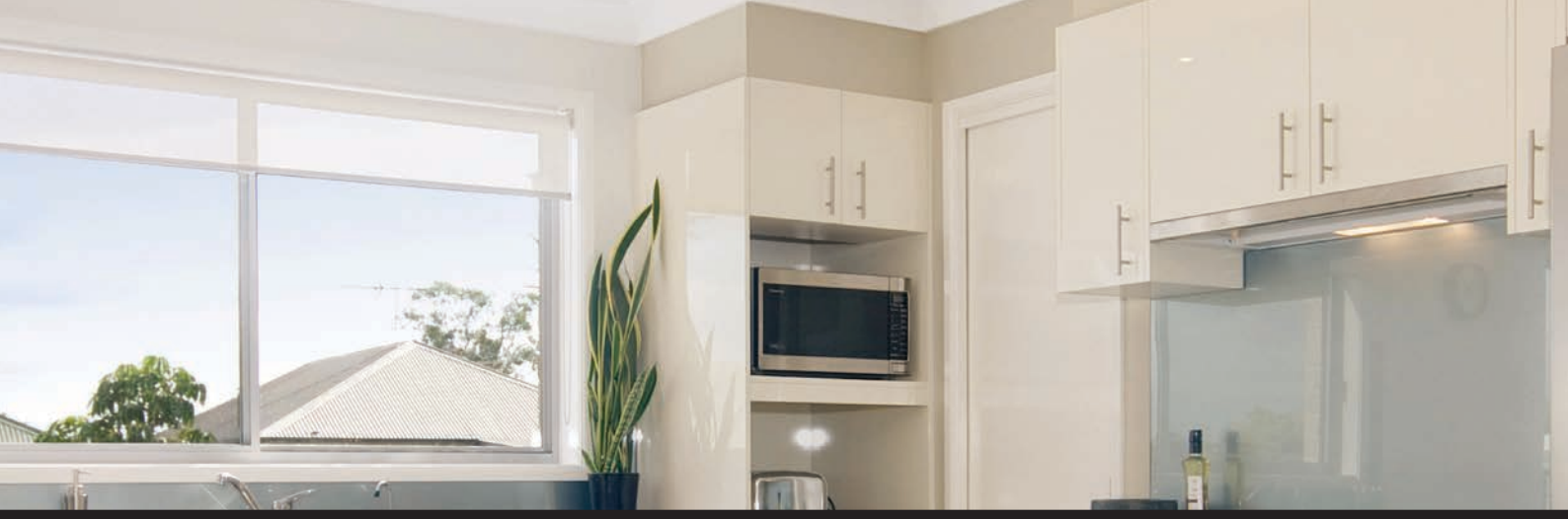
Cooling in Summer

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.



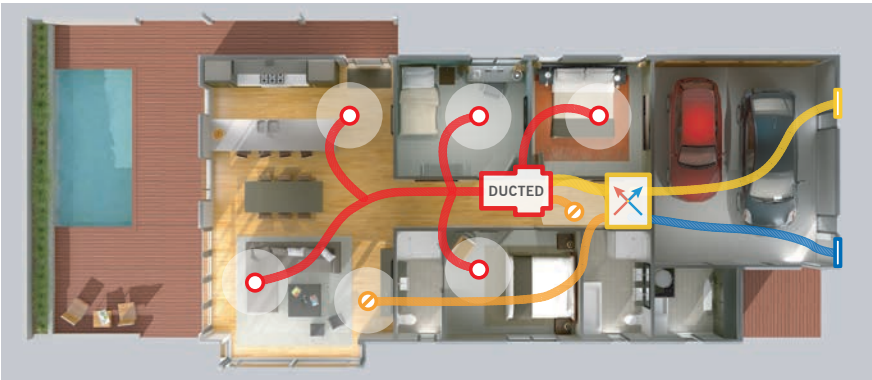
Precise Temperature Control




All Mitsubishi Electric Ducted Heat Pump Systems are controlled by a PAR-31 Deluxe 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. The PAR-31 also offers a large, easy to read LCD display, and mode view for icon and word display.



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.

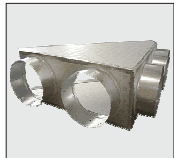
The Lossnay system recovers energy from the stale air it extracts from your home to pre-heat or pre-cool incoming fresh air. This process has many advantages as your heating system is only required to complete a small amount of additional heating or cooling to take your home to a desired temperature. 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 also 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)	✓	✓	✓
Humidity Managed (Excl. 'Dry Mode')		✓	✓
Energy Efficient	✓	✓	✓
Energy Recovery (Heat Exchange)		✓	✓

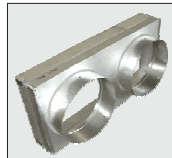
Package Options

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-KA71VA3		PUHZ-RP100V/KA2		PUHZ-RP125V/KA2		PUHZ-RP140V/KA2		
Function		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)	
Input	(kW)	2.10	2.04	2.77	2.72	3.60	3.50	3.91	4.04	
Rated EER/COP *1		3.38	3.92	3.61	4.12	3.33	4.00	3.29	4.08	
Rated AER/ACOP		3.33	3.86	3.34/3.31	3.81/3.78	3.14/3.11	3.76/3.74	3.12	3.86	
Indoor Unit		PEAD-RP71JAA		PEAD-RP100JAA		PEAD-RP125JAA		PEAD-RP140JAA		
Power Supply		V: Single-phase, 50Hz, 230V								
Air Supply		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 (Low-Mid-High)	35Pa	(dBA)	30-33-38		32-38-42		36-40-44		39-43-49	
	50Pa	(dBA)	30-34-39		33-38-42		36-40-44		40-44-49	
	70Pa	(dBA)	31-35-39		34-39-43		36-41-45		40-45-50	
	100Pa	(dBA)	32-37-40		36-40-44		37-43-46		42-46-51	
	125Pa	(dBA)	34-39-43		38-42-45		39-44-47		44-48-52	
Return air spigot size		(mm)	1,100×250		1,400×250		1,400×250		1560×178	
Supply air spigot size		(mm)	1,060×178		1,360×178		1,360×178		1558×210	
Dimensions	Height	(mm)	250							
	Width	(mm)	1,100		1,400		1,600			
	Depth	(mm)	732							
Weight		(kg)	29		38		39		43	

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

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