

Getting the most from your heat pump.

An easy to follow guide for your Mitsubishi Electric Heat Pump.



What is the easiest way to run a heat pump?

Mitsubishi Electric Heat Pumps have timer options on their remote controls which can be the most efficient way to run the heat pump, but if you want a simpler approach to heating and cooling then we suggest the following:

Winter Heating

If you want to use your heat pump for heating then select the Heat Mode which is represented by the ☀️ (sun) symbol.

Next, set your desired temperature using the ▼ (down) and ▲ (up) buttons.

We would normally recommend 18–22°C for a comfortable environment, but if you prefer your home on

the warmer side then we suggest the 22°C mark. Setting a higher temperature is not recommended as the heat pump will work hard to achieve this temperature potentially increasing power usage.

Heat pumps are sized specifically to heat the room, not the whole house. Ensuring curtains are closed while the heat pump is in heating mode, will ensure that warm air is retained inside the home.

Summer Cooling

If you want to use your heat pump for cooling then select the Cool Mode which is represented by the ❄️ (snowflake) symbol.

Next, set your desired temperature using the ▼ (down) and ▲ (up) buttons.

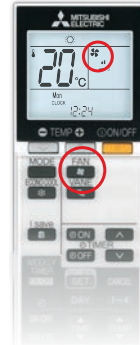
We would recommend 18–20°C for a comfortable environment.

Manual Fan Speed

You can set different fan speeds by pressing the 🌀 'fan' button repeatedly.

A higher fan speed increases the airflow to heat or cool a room more quickly, while a lower fan speed offers a gentler heating or cooling effect.

We recommend using a fan speed of 1 or 2 (low or medium) to keep a consistent environment.



You can read more about selecting fan speeds and Airflow Control on page 7.

Auto Fan Speed

If you select Auto Fan Speed which is represented by the 🌀 symbol, the fan speed required will be automatically selected to get the room to the set temperature and then adjusted to maintain the room temperature.

For example, when the unit is first turned on the fan speed will be automatically set at 3 or 4 (high) to get the room to the set temperature quickly.



Once the set temperature is achieved, the fan speed will drop back to 1 or 2 (low or medium) to maintain that temperature.

Selecting Auto Fan Speed means that you no longer have to worry about which fan speed is best suited to any particular time of the day.

Auto Mode 🔄

In Auto Mode, the unit will automatically adjust itself between Heat and Cool Mode to maintain the set temperature.




Please note that we recommend using either Heat ☀️ or Cool Mode ❄️ based on the season.



How do you set the timer if you would like your heat pump to turn on in the morning before you wake up?



For the simplest way to set your heat pump to turn on only once, you can use the following instructions.

When you go to bed at night, instead of turning the unit off with the ON/OFF power button, press the  ON button and then enter the time that you would like the unit to turn on in the morning by using the   arrows.

The unit will then shut down

and automatically start again at the time you have preset.

You can do this again during the day if you are going out and would like the unit to turn on before you arrive home.

Using the Daily Timer function will require you to do this each day as it is a 24 hour timer only. You can read more about Timer Control on page 7.

Your remote controller will need to be set with the correct time and day for the Daily Timer function to operate. Please remember that the time shown is in a 24 hour format and does not indicate AM and PM.



The 7-Day Timer

It is likely that your installer would have set the correct time on your controller, but if you have any problems please call our Customer Service Team on 0800 784 382.

The controller also features a 7-Day Timer function which allows you to set up to four start and stop times for each day of the week. For more information on how to set

the 7-Day Timer, please refer to your user manual, visit our website or please call our Customer Service Team on 0800 784 382.

Please note these instructions cover the basic heat pump functions. Your remote controller may look different depending on your chosen model with additional functions that are covered in your user manual.

www.mitsubishi-electric.co.nz/how/7daytimer

How do I know if my room has reached the set temperature?

It's easy! Our Mitsubishi Electric Heat Pumps have two indicator lights on the bottom right corner of the indoor unit. These two indicator lights will tell you the operation status of your heat pump.

Two green lights

If both lights are green this indicates that your heat pump has not yet reached the set temperature and that the system is working to heat or cool your room.

The indoor unit sensors are intuitive and will identify temperature drops or increases over 2°C from the set temperature of your heat pump. As a result the fan speed will automatically increase to start heating or cooling the room until set temperature is reached.

One green light

If only one light is illuminated then this indicates that the heat pump is within 2°C of your set temperature. As a result the fan speed will intuitively reduce or will continue to just oscillate in order to keep airflow circulating in the room.

My heat pump has reached the set temperature but it looks like it is still running.

Our Mitsubishi Electric Heat Pumps utilise inverter technology, which means they intuitively increase or decrease operation to achieve your desired temperature. Heat pumps with old technology (fixed speed systems) used to turn on and off like an electric heater, which meant that increased amounts of power were required during this action.

When your heat pump has reached the set temperature, it will ramp down but continue to circulate the room air. It is important that it does this as it aids in better heat distribution throughout your whole room; improving air circulation and enabling the system to correctly sense the whole room temperature.

The air being circulated by the heat pump may not feel very warm (when the system is in heating mode) as it is not producing heat. The air will be at room temperature so may feel cooler than the air you feel while the system is in heating opera-

tion. Rest assured, when the heat pump senses a drop or increase in room temperature, it will begin to heat or cool again depending on the mode selected.

If I turn my heat pump up to 28°C will it heat the room faster?

A heat pump should not be operated like a radiant heater. Turning your heat pump up to 28°C will not make the room warm up any faster. In fact, it will use more energy as the heat pump attempts to absorb energy to achieve this unrealistic temperature.

By setting the temperature to what is actually required, say 18–22°C in Heat Mode (a comfortable temperature during winter), the heat pump will respond in the most efficient way and will reach this temperature quickly and continue to maintain it – without any further adjustment.

Should I use my heat pump 24 hours a day?

This really depends on your lifestyle and health requirements. If you are at home for most of the day, then you may choose to run your heat pump at a constant temperature on heating, say about 18–22°C, so that you are always comfortable.

Heat pumps are clever and will sense when the room is naturally warmed by the sun and will stop heating if not required. The heat pump will then start heating again automatically if the room temperature falls.

Should I leave my heat pump on if I leave home during the day?

If you are going to be out for a few hours or most of the day, then it is more economical to turn your heat pump off so you are not heating an unoccupied space.

We suggest that you use the Timer function to have the heat pump turn on around the time you lose the sun or 30 minutes before you are expected to return home.

This means that the unit will be utilising the warmth that is already in the house from the sun, and it will not have to heat the room up from a much lower temperature.

Should I leave my heat pump running overnight?

This is very much a personal preference. If you like your environment to stay nice and warm then you could run the heat pump overnight at a lower temperature than you would run it during the day e.g. 16–18°C.

Reducing the temperature before you go to sleep at night will ensure that you are not using excessive power to maintain a high temperature that you are not awake to enjoy. While sleeping, your body does not have the same sort of temperature requirements as it does during the day.

Alternatively you could use the timer on the heat pump to have it turn on 30 minutes before you normally wake up in the morning so that the room is toasty warm for you when you get out of bed.

Should I pre-cool or not?

Pre-cooling a room is not recommended. With summer cooling we recommend you use the heat pump only when you feel too warm and for shorter periods of time.

This will ensure that you are not experiencing larger than desired power bills whilst maintaining comfort levels.

Does a heat pump prevent condensation?

The simple answer is no.

While a heat pump's primary purpose is to heat or cool your room, our heat pumps offer limited dehumidification in Dry Mode.

It is important to note that when the heat pump is operating in Dry Mode, the unit is not heating, so it is recommended to only use the Dry Mode for shorter periods of time and when heating is not required.

While good airflow does help to prevent moisture build up, specialised moisture control products such as the Mitsubishi Electric Lossnay Home Ventilation System or a Mitsubishi Electric Oasis Dehumidifier may be required to specifically address excess moisture concerns and assist with fresh air ventilation.

What is Defrost Mode?

All heat pumps will from time to time perform a defrost cycle when operating in cold winter conditions.

This is normal to remove ice build up from the outdoor unit. In Defrost Mode the heat pump stops heating for short periods.

Some heat pump brands spend longer in defrost than others. This is part of what makes Mitsubishi Electric Heat Pumps so efficient.

With a Mitsubishi Electric Heat Pump you get more heat and less defrost cycles, which means less overall power usage and higher energy efficiency.

Heat Pump Maintenance

Cleaning your heat pump regularly ensures optimum operation by reducing unnecessary power consumption; increasing energy efficiency and limiting exposure to condensation.

Indoor Unit

We recommend cleaning your heat pump filters with every seasonal change. You can do this yourself by using a domestic vacuum cleaner with a small brush attachment. If you prefer you can organise a service company to regularly clean and service your heat pump for you.




Outdoor Unit

We recommend cleaning your outdoor unit every 6 months. You can do this yourself by clearing any rubbish, plant matter or debris from around the unit. Wash the outdoor unit and coil with a detergent (car wash liquid is ideal, do not use other detergent i.e. dish washing liquid) and hose down afterwards.








It is also important that you do not place any outdoor furniture, plants or ornaments on or around your outdoor unit. Anything that compromises the airflow around the outdoor unit will compromise its performance.

Quick Guide for 7-Day Programmable Hand Held Controller


POWER AND TEMPERATURE CONTROLS

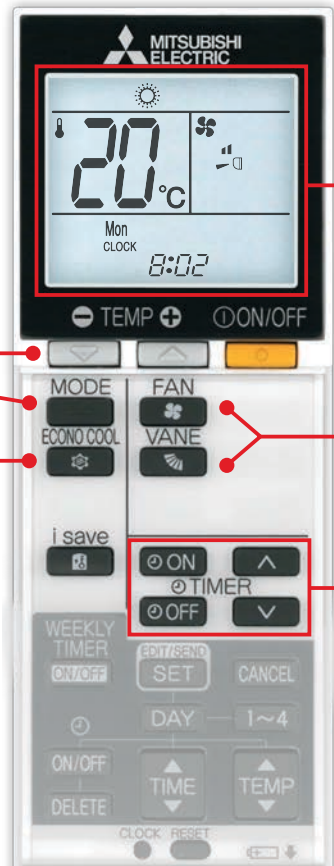
	ON/OFF – press to turn your heat pump on and press again to turn it off
	Reduce Temperature – press to move the target room temperature down by 1°C
	Increase Temperature – press to move the target room temperature up by 1°C

MODE SELECTION






	Press to select from the following operating modes:
	AUTO – unit automatically adjusts itself to heat or cool to maintain the set temperature <i>NOTE: We recommend using either Heat  or Cool  based on the season.</i>
	COOL – Cooling Mode. Your heat pump will be supplying cool air
	DRY – Dehumidifying Mode. In this mode your heat pump is not trying to reach the set temperature
	HEAT – Heating Mode. Your heat pump will be supplying warm air

ECONO COOL





	Press to start Econo Cool. This changes the unit to ‘swing’ airflow to create a breeze effect. Press again to turn Econo Cool off.
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DIGITAL DISPLAY ICONS

	Operating Mode
	Fan Speed
	Airflow Direction
	Target Room Temperature
	Clock and Day

AIRFLOW CONTROL

	<p>FAN SPEED – press to select a fan speed from the following options:</p> 
	<p>AIRFLOW DIRECTION – press to select a vane position from the following options:</p>  <p>Airflow is best angled down, but avoid directing air where people sit or sleep.</p>

TIMER CONTROL

	Press to SET START TIME
	Press to INCREASE start time by 10 minutes
	Press to DECREASE start time by 10 minutes
	Press to SET STOP TIME
	Press to INCREASE stop time by 10 minutes
	Press to DECREASE stop time by 10 minutes

NOTE: The clock and day need to be set correctly for the timer control settings to work.

Installed by: _____



ECOCORE®

Should you encounter an issue with your heat pump, please contact us by calling

0800 784 382

Press 1 for Customer Service

MITSUBISHI ELECTRIC QUALITY
5
years
Parts | Labour
FIVE YEAR WARRANTY
FOR PEACE OF MIND

Peace of mind is assured with your choice of Mitsubishi Electric Heat Pumps.

We support our product with a unique and comprehensive 5 year parts and labour warranty.



Black Diamond Technologies

Exclusive distributor of Mitsubishi Electric products in NZ

www.mitsubishi-electric.co.nz

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. Printed October 2019.