

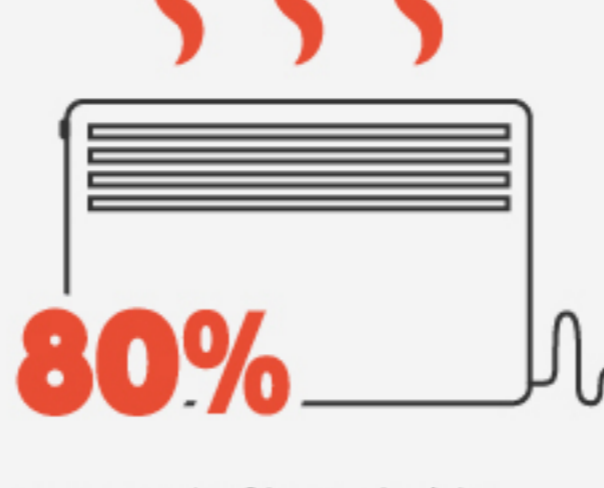


A GUIDE TO HEATING YOUR HOME & SAVING ON YOUR POWER BILL



\$800

In Victoria, householders spend around \$800 a year or approximately one third of the average home's energy bill on heating.



80%

Over 80% of households overheat their homes.



10%

Every degree above 21 degrees Celsius adds about 10 per cent to your heating costs.

WHY INVEST IN AN ENERGY EFFICIENT HEATER?

REDUCE

your energy consumption

SAVE

on your power bill

MINIMISE

your environmental impact

WHAT TO CONSIDER WHEN PURCHASING A HEATER?



ENERGY RATING

Compare the energy efficiency of similar models to make an informed purchase decision. More stars = more savings!



SIZE

Choose an appropriate size heater for the area. A heater that is too large will incur excessive and unnecessary running costs.



ENERGY CONSUMPTION

If the energy rating label is not available, consider the energy consumption of the appliance.

- Check the label for the input power in watts or kilowatts. If necessary, convert watts to kW. If the label shows 1200W, divide 1200 by 1000 = 1.2kW
- Find out your energy tariff rate (the amount you pay per unit of electricity).
- Multiply the input power by the energy tariff to calculate the hourly running cost.



AREA

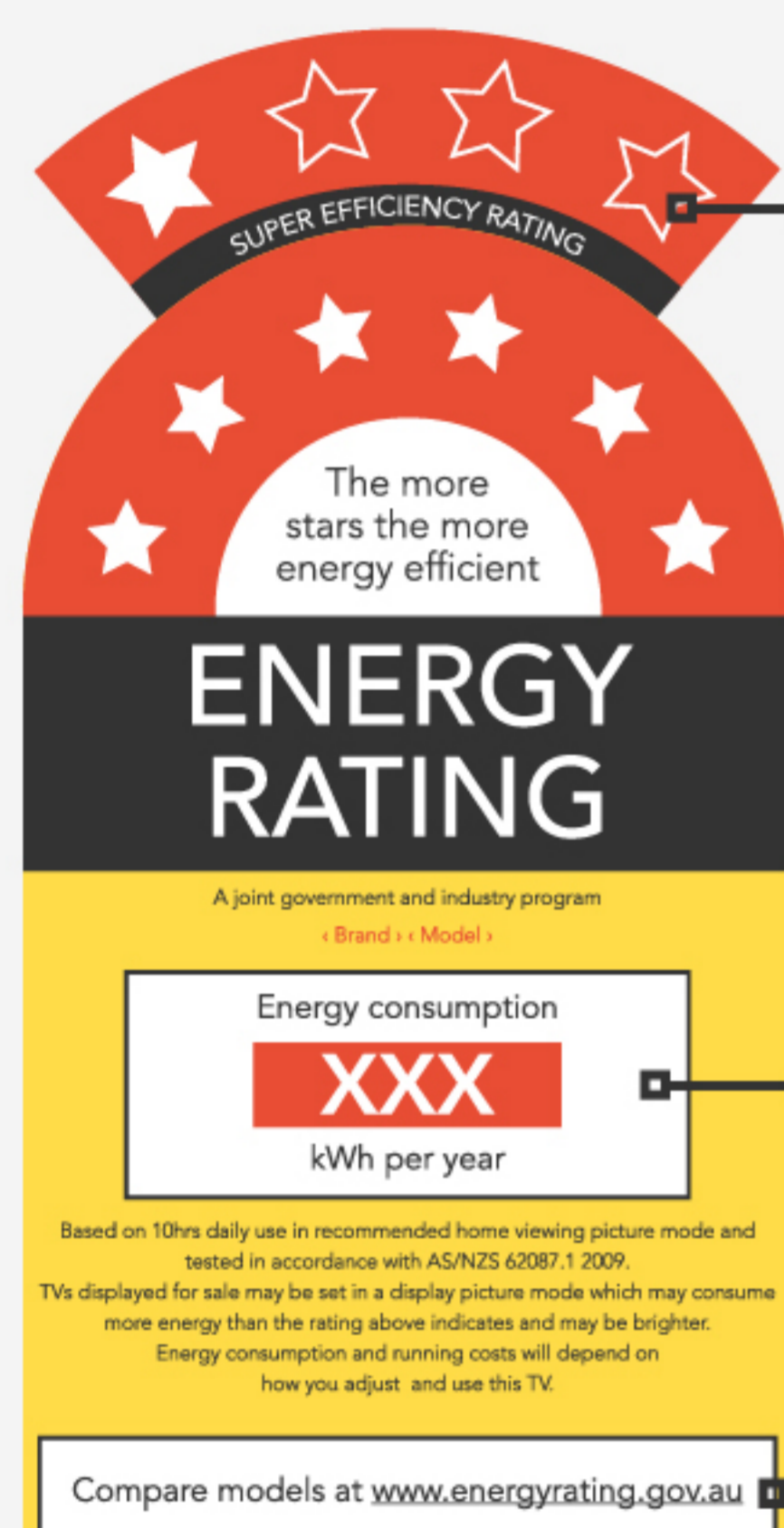
Consider the degree of insulation and ceiling height. Space heaters are generally used for bedrooms or living areas. Radiant heating works best for large, draughty rooms and bathrooms. A combination of radiant and convective heating works best for large spaces with high ceilings.



CONTROL SETTINGS

Purchase a unit with a thermostat or timer. A thermostat and/or timer will allow you to create and maintain an optimal temperature for home comfort and achieve maximum energy savings.

WHAT DOES THE ENERGY RATING STANDARD MEAN?



The energy rating label includes two key pieces of information: the energy consumption figure and the star rating.

The number of stars provides an indication of how energy efficient the appliance is. This means that less electricity will be used to achieve the same level of performance of similar models with the same size and capacity.

Each star will save you approximately 10% on the running costs of the heater.

The energy consumption score is an estimate of how much energy (kWh) the appliance will use over a year. This figure is based on the average usage. The lower the score, the less energy it uses and the cheaper it is to run.

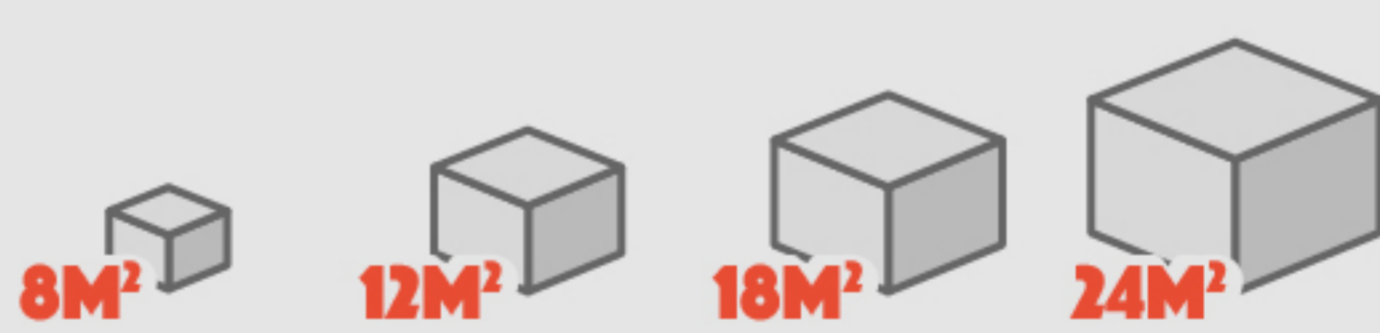
The products you are comparing must be of similar size and have similar features.

$$\text{ANNUAL COST TO RUN} = \text{ENERGY CONSUMPTION (KWH)} \times \text{ELECTRICITY TARIFF (CENTS/KWH)}$$

HOW TO HEAT BETTER

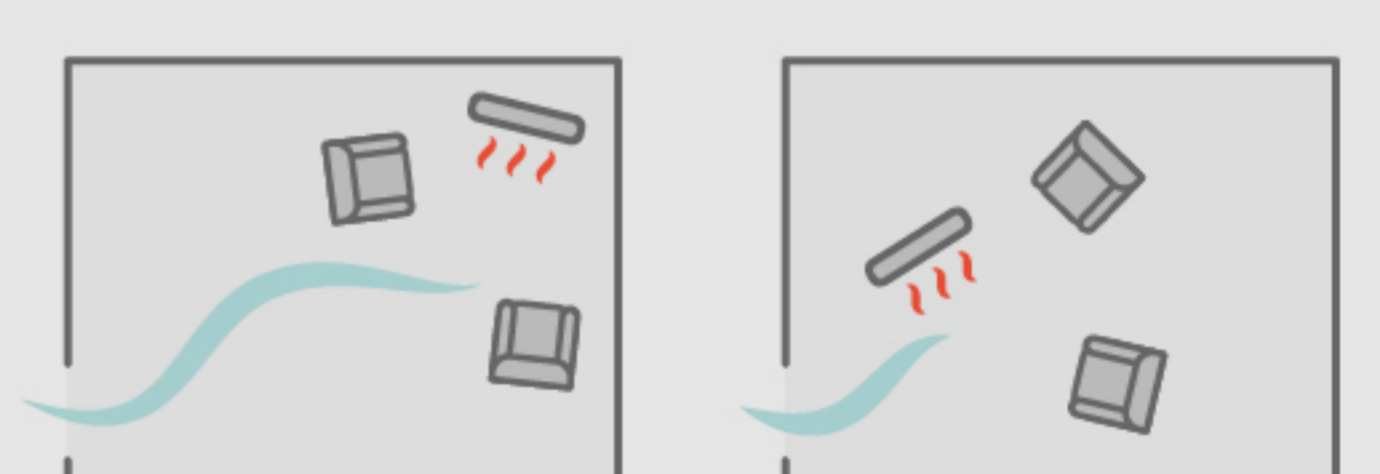
SIZE

Sustainability Victoria recommends 100W of heat per square metre, for a room with an insulated ceiling which is less than 2.7 metres in height.



POSITION

Position your furniture and heater to deflect draught. To minimise fire risk, ensure furniture, curtains, bedding and clothes are at least one metre away from the heater.



RUNNING COST

Heating power input (kW)	Hourly running cost	Annual energy usage	Annual running cost	10 years running cost
0.8	\$0.24	360kWh	\$108.36	\$1083.60
1.2	\$0.36	540kWh	\$162.54	\$1625.40
1.8	\$0.54	810kWh	\$243.81	\$2438.10
2.4	\$0.72	1080kWh	\$325.08	\$3250.80

*Based on 5 hours per day, 3 months usage and \$0.30/kWh. Costs are indicative only. Actual running costs are affected by climate and insulation.

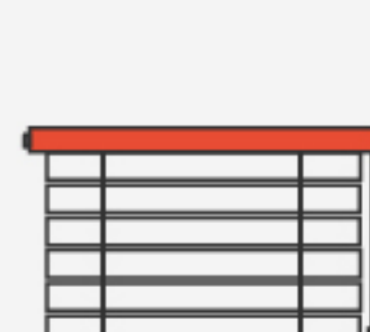
HOW TO MAXIMISE EFFICIENCY



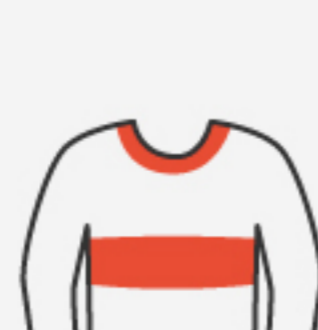
Minimise the areas to be heated by closing doors to areas of the house that are not being used.



Set your thermostat to between 18°C and 20°C in winter. Every degree higher will increase running costs by approximately 10%.



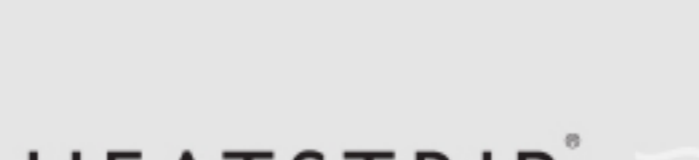
Keep your curtains and blinds closed to ensure the heat stays inside.



Dress appropriately for the weather.



Ensure your home is well insulated.



Resources:
<http://www.sustainability.vic.gov.au/>
<http://energyrating.gov.au/australia>

<https://www.sa.gov.au/>
<http://environment.victoria.org.au/>
<http://www.ausgrid.com.au/>