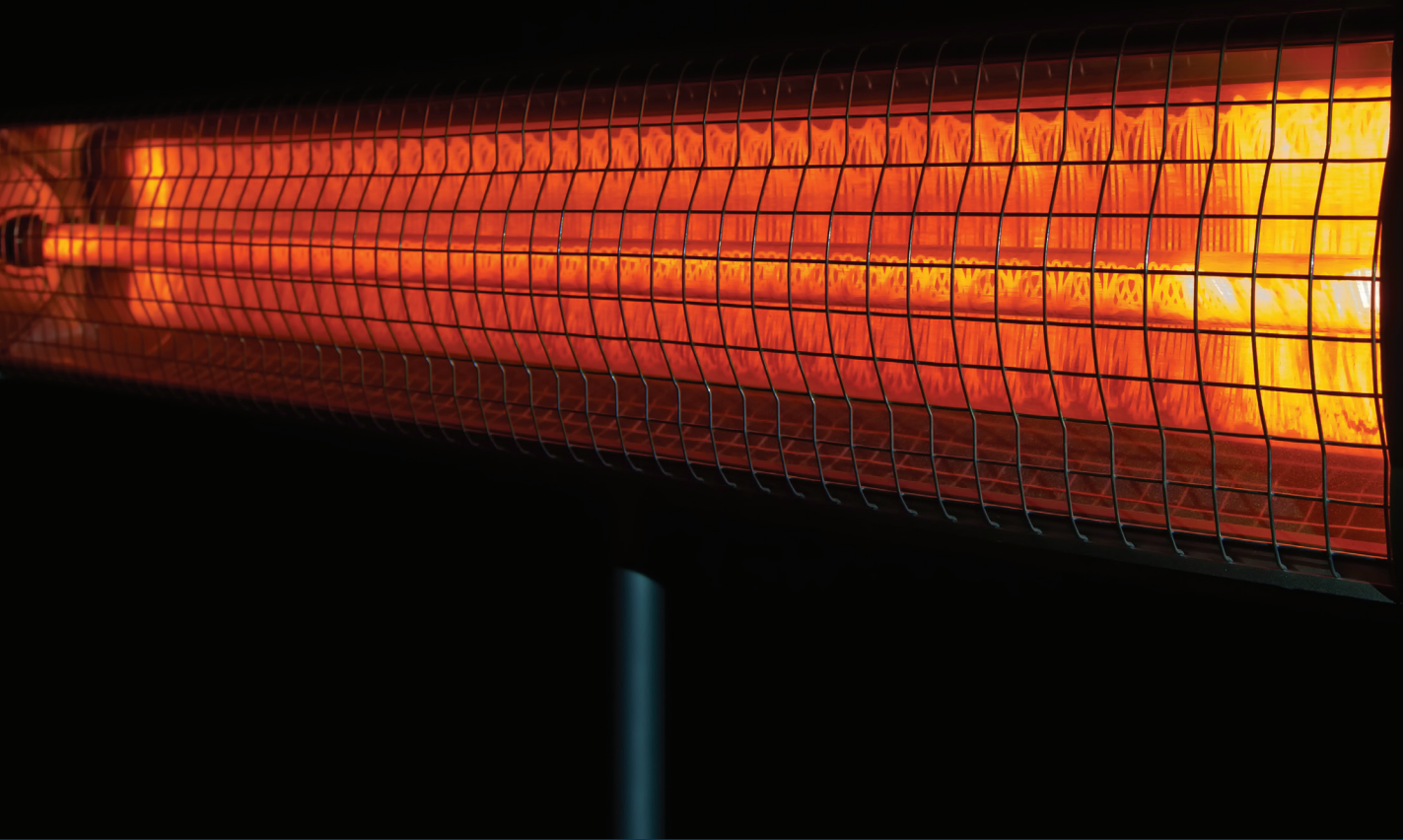


**Blackwoods**

# MOBILE HEATING



## BUYERS GUIDE

**PREPARE | RESPOND | RECOVER**

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# MOBILE HEATING

Can add warmth to specific areas that are unreachable to heat by a fixed HVAC system. It is important to familiarise the heating methods, and power sources to better select the right product for the application.

## HEATER TYPE

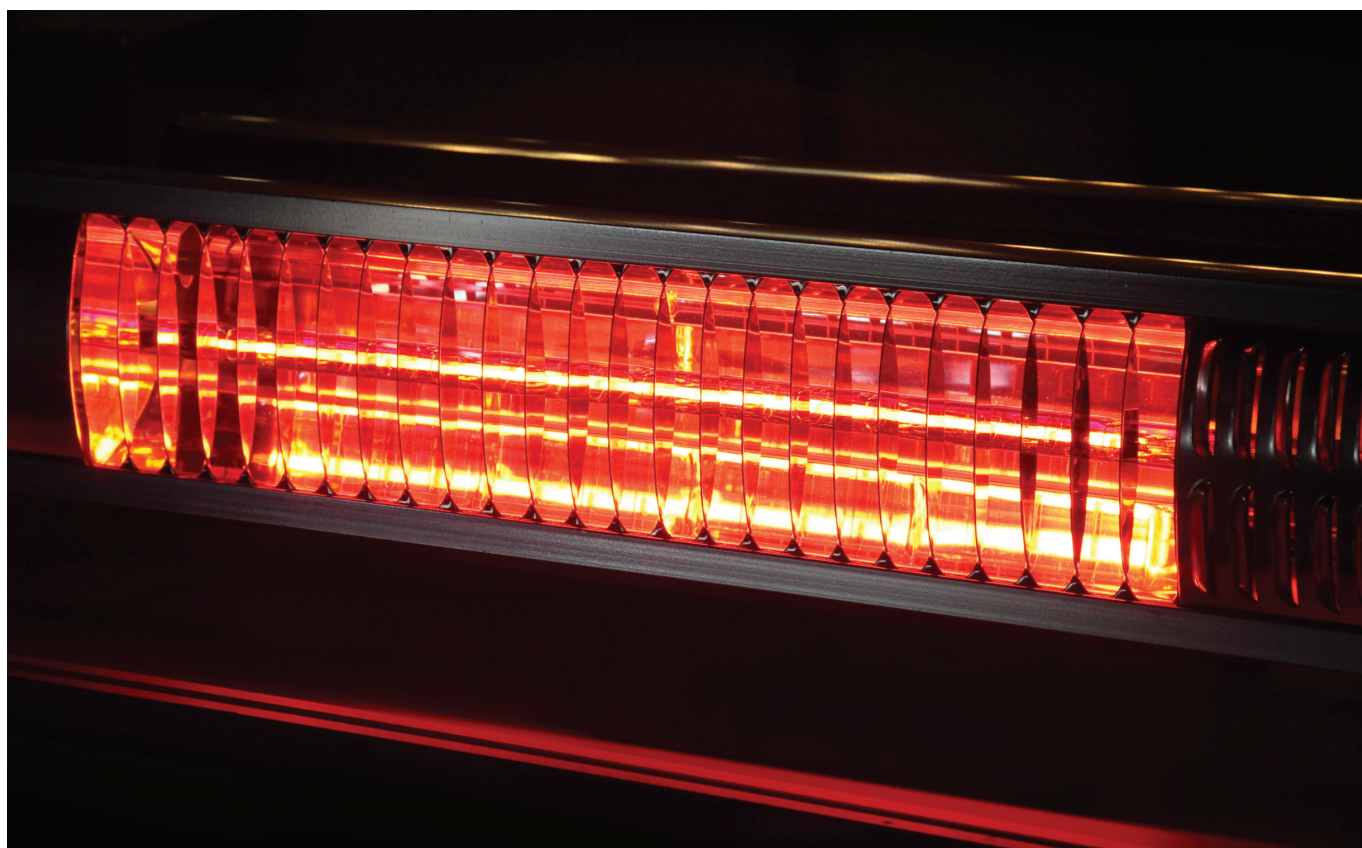
There are two heating methods: convection and radiation.

**Convection** heating warms the air space when the heating element is in contact with a moving air stream, usually requiring a fan. This is why, you hear the word space heaters. The advantage of a convection heater is the ability to raise the temperature of the room much quicker than a radiant heater.

By contrast, **radiant** heaters warm people and objects in an area via thermal radiation (not the air space). Thermal radiation relies on electromagnetic waves, the same as what sunlight does to a metal surface. Radiant heaters are heavily impacted by line of sight and distance away from the source, that is why you hear the word spot heating. However, radiant heaters do not require a noisy fan and can deliver warmth quicker than convectional heaters when pointing at the object. It is more energy efficient as it is not heating the space to heat the required object.

## HEATING CAPACITY

When it comes to heating, capacity in kW is the key. The higher the capacity the quicker it heats up the area. For fan forced, airflow L/s is also important, as it indicates how quick it can spread the warmth.



# MOBILE HEATING

## MOBILE HEATER DECISION

When it comes to deciding the heater of choice, one needs to ask what the target goal is? Ask yourself:

- Do you need to heat an object/person or space?
- Do you need to increase the temperature quickly or slowly?
- Is it for an indoor or outdoor space?
- Do you need the appliance to heat and cool?

## HEATER FUEL

Heaters can be powered by either electricity or combustion (LPG, diesel, kerosene).

Most **electric heaters** are preferred for homes, offices, and warehouses and are single phase power supply. For more demanding heating for job sites and workshops, three phase power is preferred.

**Combustion heaters** are most suitable for higher heating demand and is more suitable for well ventilated environments. They can be typically fueled by LPG, Diesel, or Kerosene. There are two types of combustion fuel heaters: direct or indirect (no chimney).

**Direct combustion heaters** are generally cheaper and more efficient than indirect combustion heaters due to the design. It is ideally used in unoccupied spaces or large and open space with good ventilation, due to the emission it generates. Due to the presence of direct flame, it is not ideal to have these heaters in or within an area containing flammable or combustible materials.

**Indirect combustion heaters** can be used in indoor and outdoor spaces but still requires space for ventilation. Due to the design, a chimney is built in or required and maintenance cost is relatively higher than direct combustion heaters.



## MORE INFORMATION



**CLICK OR SCAN**

the QR code for more information about Blackwoods Electrical Solutions.



**CLICK OR SCAN**

the QR code to contact specialists or contact your Blackwoods Account Manager

## Home & Office

0069 1139



0220 8716



0226 2551



Power Source	Heating Method	Capacity (kW)	Part Number
Electric	Convection	1.5	0069 1139
Electric	Convection	2.0	0220 8716
Electric	Convection	3.2	0226 2551
Electric	Convection	3.3	0226 2534

## Small Job Site/Workshop

0366 2382



0090 9657



0090 9589



Power Source	Heating Method	Capacity (kW)	Phase	Part Number
Electric	Radiant	2.0	1	0655 1688
Electric	Radiant	2.2	1	0228 9615
Electric	Radiant	2.0	1	0366 2382
Electric	Convection	2.0	1	0730 6760
Electric	Convection	2.4	1	0090 9657
Electric	Convection	3.0	1	0655 1722
Electric	Convection	4.3	1	0090 9589

## Outdoor

0318 3733



0228 9326



Power Source	Heating Method	Capacity (kW)	Part Number
LPG	Radiant	4.4	0318 3733
LPG	Radiant	7.0	0318 3716
LPG	Radiant	9.0	0228 9326

## Big Job Site/Warehouse

0217 6994



0300 8600



0090 9691

0206 6817



0655 1722




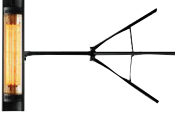
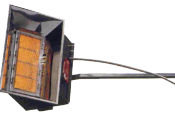




0090 9623



Power Source	Heating Method	Capacity (kW)	Phase	Combustion	Part Number
Electric	Convection	5.0	3	—	0655 1739
Electric	Convection	9.0	3	—	0318 3563*
Electric	Convection	15.0	3	—	0525 9926*
Electric	Convection	15.0	3	—	0730 6777
Electric	Convection	9.0	1	—	0300 8583
Electric	Convection	15.0	1	—	0300 8600
Electric	Convection	30.0	1	—	0300 8617
Diesel	Radiant	15.0	1	—	0217 6994
Diesel	Radiant	20.0	1	—	0090 9674
Diesel	Radiant	32.5	1	—	0217 7028
Diesel	Radiant	40.0	1	—	0090 9691
Diesel	Radiant	40.7	1	—	0217 7011
Diesel	Convection	20.0	1	Indirect	0090 9623
Diesel	Convection	50.0	1	Indirect	0090 9640
LPG	Convection	20.0	1	Direct	0206 6817
Diesel	Convection	20.0	1	Direct	0301 6637
Diesel	Convection	30.0	1	Direct	0730 6828
Diesel	Convection	50.0	1	Direct	0301 6671

\*Made in Australia

# BUYERS GUIDE CHECKLIST

Power Source	Heating Method	Typical Capacity	Home & Office	Outdoor	Small Job Site/ Workshop	Big Job Site/ Warehouse	Notes
	Electrical Convection	Up to 5kW	✓				
	Electrical Radiant	Up to 5kW			✓		
	LPG Radiant	Up to 10kW		✓			
	Electrical Convection	Up to 10kW			✓		
	Electrical Convection	5 - 40kW				✓	
	Diesel/Kerosene Radiant	10 - 40kW				✓	
	Diesel/Kerosene Convection	20 - 80kW				✓	



**OUR PROMISE  
TO YOU**

**Blackwoods**

# Blackwoods

We are truly committed to being the chosen partner for the supply of industrial and safety products and solutions to support Australian industries.

In living this commitment, we will demonstrate our:

## Proven experience and expertise

Our history of over 140 years in successfully delivering solutions for industry.

## True competitive drive

With a strong heritage in Industrial supply we want to ensure this is protected by ensuring we remain genuinely competitive across products, solutions, service and innovation.

## Partnership commitment

We partner with selected suppliers so you can be confident we will deliver the best solutions for both your business and your industry applications.