



Premium Infrared Heaters FAQ

- **What is the Voltage required and the AMPS for the Bull Powerwarm Heater?** - 240V 20.8 AMPS
- **What is the unit weight?** 13 lbs.
- **What is the Certification?** – UL/CUL
- **Can I connect the heater via Bluetooth or Wi-Fi Switch?** – Yes. You would need the single or dual contactor panel and any 120V Wi-Fi or Bluetooth capable switch of the customer's choosing.
- **When we say it is outdoor rated is there a specific rating level for the unit?** The units undergo UL spray testing, and they are IPX4 rated. A lot of our competitors do not have that rating.
- **Can your units be mounted vertically?** No, the units must be level horizontally.
- **Who installs the units?** Any licensed electrician should be capable of installing the heaters. We can provide wiring diagrams and specific instructions.
- **Can the heaters be installed on a thermostat?** No, because infrared heats object, not the air, the thermostat will not function correctly.
- **What is the operating cost per hour?** Based on the national average of kWh of 16 cents. The Bull heater will cost 80 cents per hour to operate.
- **What is the minimum mounting height?** The minimum mounting height is 6 ft in the US and 8 ft in Canada.
- **How much heat should I expect?**

At their Food Services Testing Center, Pacific Gas & Electric has determined that a good patio heat installation (gas or electric) will provide between 3-7° of perceived heat at 60° F ambient conditions. Test results determined that more than 7° is too warm to sit in for extended periods. Colder or draftier areas may require more heat; protected or warmer areas may require less. Every installation will vary, along with our customers' expectations.
- **Can I run my heaters on only 120 volts of power?**

Using a 110/120-volt heater (1,500 watts maximum) is fine for enclosed areas like garages, work areas or outdoor spaces no larger than 5' x 5'. When heating larger areas, running a dedicated 110/120-volt circuit is not practical or economical. A 240-volt circuit will require the same amount of wiring, will heat substantially larger areas with greater comfort, and will simply require two spaces in the breaker panel, rather than one.
- **What's the difference between 208-volt and 240-volt power?**

Many new homes and businesses are supplied with 208-volt power, as opposed to the more familiar 240-volt option. It is very important to determine your power voltage before ordering and installing a heater. A 240-volt heater on 208 volts of power will only produce about 60% of the desired infrared energy. Consult a licensed electrician to determine the actual voltage at your property's location. Infratech heaters are available in single and dual element 120, 208, 240, 277 and 480-volt models.