Heaters Room Sizing Guide

How To Size a Room – Quick Calculation

Moderate Climate (with 8' ceiling and adequate insulation)

- Square Footage x 10 = Watts required
- Example: 100 Sq. Ft. x 10 = 1,000 Watts

Colder Climate (with 8' ceiling and adequate insulation)

- Square Footage x 15 = Watts required
- Example: 100 Sq. Ft. x 15 = 1,500 Watts

How To Figure BTU's

- Wattage x 3.413 (constant) = BTU's (British Thermal Unit)
- Example: 1,000 Watts x 3.413 = 3,413 BTU's
- Example: 4,000 Watts x 3.413 = 13,652 BTU's

One BTU is the quantity of heat needed to raise one pound of water one degree Fahrenheit

How To Figure Amperage

- Watts/Voltage = Amperage
- Example: 1,000 Watts / 120 Volts = 8.33 Amps

How To Figure Voltage

- Watts/Amperage = Voltage
- Example: 1,000 Watts / 8.33 Amps = 120 Volts

How To Figure Wattage

- Voltage x Amperage = Watts
- Example: 120 Volts x 8.33 Amps = 1,000 Watts
- Example: 240 Volts x 4.16 Amps = 1,000 Watts