

GAS RATE / HEAT INPUT CALCULATION TEMPLATE (NG ONLY)

Manufacturer's instructions (MI) or data badge

MI Gas rate or Heat input _____
 Unit of measurement kW net kW gross m³ / h ft³ / h

Tolerance (± 5 %)

Minimum (MI value × 0.95) _____
 Maximum (MI value × 1.05) _____

Metric gas meter (E6, G4, G10)

Meter start reading _____ m³
 Meter end reading _____ m³
Volume (End reading – Start reading) _____ m³
Time (between readings) _____ seconds
Gas rate (Volume ÷ Time × 3600) _____ m³ / h
 Net heat input (Gas rate × 9.5) _____ kW net
 Gross heat input (Gas rate × 10.6) _____ kW gross

Remember to include the decimal point.

Imperial gas meter (U6, U16)

Volume (of 1 revolution of dial) _____ ft³
Time (for 1 revolution of dial) _____ seconds
Gas rate (Volume ÷ Time × 3600) _____ ft³ / h
 Net heat input (Gas rate × 0.27) _____ kW net
 Gross heat input (Gas rate × 0.30) _____ kW gross

usually printed at the 12 o'clock position on the dial

Interpretation

Assuming burner pressure is correct, if Gas rate or Heat input is higher than the maximum tolerance, the burner injector may be corroded or enlarged and will need to be replaced. If Gas rate or Heat input is lower than the minimum tolerance, the burner injector may be partially blocked and will need to be carefully cleaned. In either case, class the appliance as Immediately Dangerous until rectified.

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