

# Summary Table of Units of Energy Measurement

Name and abbreviation	Definition
Barrel (bbl or b)	Specific to petroleum products. 1 barrel = 158.99 liters
Barrel of oil equivalent (boe)	1 barrel of oil equivalent corresponds to the energy produced when a barrel of oil is burned.
British Thermal Unit (BTU)	Imperial unit of measurement for energy. 1 BTU $\approx$ 1055 joules (J)
Calorie (cal)	Energy measurement units. 1 cal = 4.184 J. In food, the kilocalorie is generally used (1 kcal = 1,000 cal).
Cubic foot (CF)	Imperial unit of measurement for volume. 1 cubic foot = 28.32 liters (l)
Degree Celsius ( $^{\circ}\text{C}$ )	For temperature, derived from the International System of Units.
Gallon (gal)	For volume. 1 U.K. gal = 4.546 liters (l); 1 U.S. gallon = 3.785 liters (l)
Horsepower (hp)	Unit of measurement for power. 1 horsepower = 735.5 watts (W)
Joule (J)	Measurement for energy. We often use kilojoules (kJ) up to exajoules (EJ), i.e. 10 <sup>18</sup> joules.
Kilowatt-hour (kWh)	Unit of measurement for energy. kilowatt-hour = 3.6 $\times$ 10 <sup>6</sup> joules (J)
Stere (st)	Unit of measurement for a volume of wood. 1 stere = 1 cubic meter of stacked logs, including the empty spaces between them
Ton (t)	Unit of measurement for weight.
Ton of coal equivalent (tce)	1 ton of coal equivalent equals the energy produced when a ton of coal is burned. 1 ton of coal equivalent = 0.66 toe on average.
Ton of oil equivalent (toe)	1 ton of oil equivalent equals the energy produced when a ton of oil is burned.
Watt (W)	Official unit of measurement for power.