

USEFUL TABLES

Conversion Table

TO CONVERT	INTO	MULTIPLY BY
Atmospheres	Centimetres of mercury	76.0
Bar	Pounds/square inch	14.5
Btu	Joules	1,054.8
Btu/hour	Watts	0.2931
Btu/minute	Kilowatts	0.01757
Btu/minute	Watts	17.57
Centigrade	Fahrenheit	$(^{\circ}\text{C} \times 1.8) + 32^{\circ}$
Centimetre	Inches	0.39
Circumference	Radians	6.283
Cubic centimetres	Cubic inches	0.06102
Cubic feet	Cubic metres	0.02832
Cubic feet	Litres	28.32
Cubic feet/minute	Cubic centimetres/second	472.0
Cubic inches	Cubic centimetres	16.39
Cubic inches	Litres	0.01639
Cubic metres	Gallons (U.S. liquid)	264.2
Feet	Centimetres	30.48
Feet	Metres	0.3048
Feet	Millimetres	304.8
Feet of water	Kilogram/square centimetres	0.03048
Foot-pounds	Joules	1.356
Foot-pounds/minute	Kilowatts	2.260×10^{-5}
Foot-pounds/second	Kilowatts	1.356×10^{-3}
Gallons	Litres	3.785
Horsepower	Watts	745.7
Horsepower-hours	Joules	2.684×10^6
Horsepower-hours	Kilowatt-hours	0.7457
Joules	Btu	9.480×10^{-4}
Joules	Foot-pounds	0.7376
Joules	Watt-hours	2.778×10^{-4}
Kilograms	Pounds	2.2
Kilograms	Tons (short)	1.102×10^{-3}
Kilometres	Miles	0.6214
Kilometres/hour	Miles/hour	0.6214
Kilowatts	Horsepower	1.341
Kilowatt-hours	Btu	3,413
Kilowatt-hours	Foot-pounds	2.655×10^6
Kilowatt-hours	Joules	3.6×10^6
Kilopascal	Pounds/square inch	0.145
Litres	Cubic feet	0.03531