

USEFUL TABLES

**METRIC SYSTEM  
(INTERNATIONAL SYSTEM OF UNITS – SI)**

<b>TO CONVERT</b>	<b>INTO</b>	<b>MULTIPLY BY</b>
Atmospheres	Cm of mercury	76.0
Btu	Joules	1,054.8
Btu/hour	Watts	0.2931
Btu/minute	Kilowatts	0.01757
Btu/minute	Watts	17.57
Centigrade	Fahrenheit	$(^{\circ}\text{C} \times 9/5) + 32^{\circ}$
Circumference	Radians	6.283
Cubic centimeters	Cubic inches	0.06102
Cubic feet	Cubic meters	0.02832
Cubic feet	Liters	28.32
Cubic feet/minute	Cubic cm/second	472.0
Cubic inches	Cubic cm	16.39
Cubic inches	Liters	0.01639
Cubic meters	Gallons (U.S. liquid)	264.2
Feet	Centimeters	30.48
Feet	Meters	0.3048
Feet	Millimeters	304.8
Feet of water	Kg/square cm	0.03048
Foot-Pounds	Joules	1.356
Foot-pounds/minute	Kilowatts	$2.260 \times 10^{-5}$
Foot-pounds/second	Kilowatts	$1.356 \times 10^{-3}$
Gallons	Liters	3.785
Horsepower	Watts	745.7
Horsepower-hours	Joules	$2.684 \times 10^6$
Horsepower-hours	Kilowatt-hours	0.7457
Joules	Btu	$9.480 \times 10^{-4}$
Joules	Foot-pounds	0.7376
Joules	Watt-hours	$2.778 \times 10^{-4}$
Kilograms	Pounds	2.205
Kilograms	Tons (short)	$1.102 \times 10^{-3}$
Kilometers	Miles	0.6214
Kilometers/hour	Miles/hour	0.6214
Kilowatts	Horsepower	1.341
Kilowatt-hours	Btu	3,413
Kilowatt-hours	Foot-pounds	$2.655 \times 10^6$
Kilowatt-hours	Joules	$3.6 \times 10^6$
Liters	Cubic feet	0.03531