

**ENGINEERING CONVERSIONS**

1 atmosphere	=	14.7 pounds/square inch
1 atmosphere	=	29.92 inches of mercury (at 0° C)
1 atmosphere	=	1.0333 kilograms/square centimeter
1 BTU	=	252 calories
1 BTU	=	.0002931 kilowatt-hours
1 BTU	=	.2931 watt-hours
1 centimeter	=	.3937 inches
1 cubic inch	=	16.39 cubic centimeters
1 cubic foot	=	.02832 cubic meters
1 cubic foot	=	1728 cubic inches
1 cubic foot	=	7.48 gallons (U.S.)
1 cubic foot	=	28.32 liters
1 cubic foot	=	62.43 lbs. of water
1 cubic centimeter	=	.061 cubic inches
1 cubic meter	=	35.32 cubic feet
1 foot	=	.3048 meters
1 foot	=	30.48 centimeters
1 foot	=	304.8 millimeters
1 gallon (U.S.)	=	231 cubic inches
1 gallon (U.S.)	=	.1337 cubic feet
1 gallon (U.S.)	=	3.785 liters
1 gallon (U.S.) of water	=	8.3453 pounds
1 gallon (Br. Imp.)	=	1.20095 (U.S)
1 gram	=	.035274 ounces
1 gram	=	.002205 pounds
1 gram/cubic centimeter	=	62.43 pounds/cubic foot
1 gram/cubic centimeter	=	.03613 pounds/cubic inch
1 horsepower	=	.7457 kilowatts
1 inch	=	2.54 centimeters
1 inch	=	25.4 millimeters
1 joule	=	.0002778 watt-hours
1 kilogram	=	2.205 pounds
1 kilogram/cubic meter	=	.06243 pound/cubic foot
1 kilowatt hour	=	3412 BTU
1 liter	=	61.024 cubic inches
1 liter	=	.264 gallons (U.S.)
1 meter	=	39.37 inches
1 meter	=	3.281 feet
1 millimeter	=	.0394 inches
1 ounce	=	0.0625 pounds
1 ounce	=	28.35 grams
1 pound	=	453.6 grams
1 pound/square inch	=	703.1 kilograms/square meter
1 radian	=	57.3 degrees
1 square foot	=	144 square inches
1 square foot	=	.0929 square meters
1 square inch	=	6.452 square centimeters
1 square meter	=	10.76 square feet
1 watt	=	3.412 BTU/Hours
1 watt	=	1.341 x 10 <sup>-3</sup> horsepower
1 watt/square centimeter	=	6.452 watts/square inch
1 watt/square inch	=	.155 watts/square centimeter
1 yard	=	.9144 meters
1 yard	=	3 feet