

# Useful Conversions

TO CONVERT .....	MULTIPLY BY.....	TO OBTAIN
Acres.....	43,400.....	sq. ft.
acres.....	4,047.....	sq. meters
atmospheres.....	1.0333.....	kgs./sq. cm.
atmospheres.....	14.7.....	pounds/sq.in.
<b>Bars.....</b>	<b>0.9869.....</b>	<b>atmospheres</b>
bars.....	14.5.....	pounds/sq.in.
btu.....	778.16.....	foot-pounds
btu.....	1,055.....	joules
btu.....	0.252.....	kilogram-calories
btu/hr.....	0.0003929.....	horsepower
btu/hr.....	0.2931.....	watts
btu/min.....	0.02356.....	horsepower
btu/min.....	0.01757.....	kilowatts
<b>Centimeters.....</b>	<b>0.0321.....</b>	<b>feet</b>
centimeters.....	0.3937.....	inches
cubic centimeters.....	0.06102.....	cubic in.
cubic feet.....	0.02832.....	cu. meters
cubic feet.....	7.48052.....	gallons (u.s. liquid)
cubic feet.....	28.32.....	liters
cubic feet/min.....	0.4719.....	liters/sec.
cubic feet/sec.....	448.831.....	gallons/min.
cubic inches.....	0.0005787.....	cu. ft.
cubic inches.....	0.00001639.....	cu. meters
cubic inches.....	0.004329.....	gallons
cubic inches.....	0.01693.....	liters
cubic meters.....	35.31.....	cu. ft.
cubic meters.....	61,024.....	cu. inches
cubic meters.....	264.2.....	gallons (u.s. liquid)
cubic meters.....	1,000.....	liters
<b>Fathoms.....</b>	<b>1.8288.....</b>	<b>meters</b>
feet.....	0.3048.....	meters
feet.....	304.8.....	millimeters
feet/min.....	0.3048.....	meters/min.
feet/sec.....	18.288.....	meters/min.
foot-candle.....	10.764.....	lumen/sq. meter
foot-candle.....	10.764.....	lux
foot-pounds.....	0.1383.....	kg.-meter
<b>Gallons.....</b>	<b>0.1337.....</b>	<b>cu. Feet</b>
gallons.....	0.003785.....	cu. Meters
gallons.....	3.785.....	liters
grams.....	0.03215.....	ounces (troy)
grams.....	0.002205.....	pounds
grams/liter.....	0.062427.....	pounds/cu.ft.
<b>Horsepower (metric).....</b>	<b>0.9863.....</b>	<b>horsepower</b>
horsepower.....	0.7457.....	kilowatts
<b>Inches.....</b>	<b>25.4.....</b>	<b>millimeters</b>
inches of mercury.....	1.133.....	feet of water
in. of water (at 40C.).....	0.07355.....	inches of mercury
in. of water (at 40C.).....	0.00254.....	kgs./sq. cm.
in of water (at 40C.).....	5.204.....	pounds/sq. ft.
<b>Joules.....</b>	<b>0.7376.....</b>	<b>foot-ounds</b>
joules.....	0.1020.....	kg.-meters
<b>Kilograms.....</b>	<b>2.2046.....</b>	<b>pounds</b>
kilograms/cu. meter.....	0.06243.....	pounds/cu. ft.
kilograms/sq. cm.....	0.9678.....	atmospheres

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TO CONVERT.....	MULTIPLY BY.....	TO OBTAIN
kilograms/sq. cm.....	32.81.....	feet of water
kilograms/sq. cm.....	28.96.....	inches of mercury
kilograms/sq. cm.....	14.22.....	pounds/sq. in.
kilogram-meters.....	7.233.....	foot-pounds
kilometers.....	3,281.....	feet
kilometers.....	0.6214.....	miles (statute)
kilometers/hr.....	0.6214.....	miles/hr.
kilowatts.....	1.341.....	horsepower
<b>Liters</b> .....	0.03531.....	cu. ft.
liters.....	0.001.....	cu. meters
liters.....	0.2642.....	gallons (u.s. liquid)
<b>Meters</b> .....	3.281.....	feet
meters.....	39.37.....	inches
meters.....	1.094.....	yards
meters/min.....	1.667.....	cms./sec.
meters/min.....	3.281.....	feet/min.
meters/min.....	0.05468.....	feet/sec.
meters/sec.....	3.281.....	feet/sec.
meters/sec./sec.....	3.281.....	ft./sec./sec.
meter-kilograms.....	7.233.....	pound-feet
miles (statute).....	1.6093.....	kilometers
miles/hr.....	1.6093.....	kms./hr.
millimeters.....	0.003281.....	feet
millimeters.....	0.03937.....	inches
<b>Ohms</b> .....	0.000001.....	megohms
ohms.....	1,000,000.....	microhms
ounces.....	0.0625.....	pounds
<b>Pints (liquid)</b> .....	0.125.....	gallons
pints (liquid).....	0.4732.....	liters
pounds.....	453.59.....	grams
pounds-feet.....	0.1383.....	meter-kgs.
pounds/sq. in.....	27.684.....	in. of water
pounds/sq. in.....	0.06894.....	bar
<b>Radians</b> .....	57.296.....	degrees
radians.....	3,438.....	minutes
reams.....	500.....	sheets
revolutions/min.....	0.1047.....	radians/sec.
<b>Square centimeters</b> .....	0.0001.....	sq. meters
square feet.....	144.....	sq. inches
square feet.....	0.0929.....	sq. meters
square feet.....	0.0000003587.....	sq. miles
square inches.....	0.006944.....	sq. ft.
square inches.....	645.2.....	sq. millimeters
square meters.....	10,000.....	q. cms.
square meters.....	10.76.....	sq. ft.
square meters.....	1.196.....	sq. yards
square yards.....	0.0002066.....	acres
<b>Temperature °F</b> .....	5/9 after subtracting 32.....	temp. °C
temperature °C.....	1.8 then add 32.....	temp. °F
tons (metric).....	1,000.....	kilograms
tons (metric).....	2,205.....	pounds
<b>Watts</b> .....	3.4129.....	btu/hr.
watts.....	0.001341.....	horsepower
watts.....	0.00136.....	horsepower (metric)
<b>Yards</b> .....	0.9144.....	meters