

GENERAL CONVERSION TABLE

- BTU x 777.5 = Foot pounds
- BTU x 1055 = Joules
- BTU x 0.000293 = Kilowatt hours
- BTU per minute x 13.0 = Foot pounds per second
- BTU per minute x 0.0176 = Kilowatts
- BTU per hour x 0.000293 = Kilowatts
- Cubic feet x 0.02832 = Cubic meters
- Cubic feet per minute x 7.48 = US Gallons per minute
- Cubic inches x 16.387 = Cubic centimeters
- Cycles per second = Hertz
- Degrees x 0.01745 = Radians
- Degrees Celsius x 1.8 + 32 = Degrees Fahrenheit
- Degrees Celsius = (Degrees Fahrenheit - 32) ÷ 1.8
- Feet x 30.48 = Centimeters
- Feet x 0.3048 = Meters
- Feet of water x 0.883 = Inches of Mercury
- Feet of water X 63.43 = Pounds per square foot
- Feet of water X 0.43135 = Pounds per square inch
- Feet per minute X 0.0114 = Miles per hour
- Feet per second x 0.682 = Miles per hour
- Feet per second x 0.3048 = Meters per second
- Foot-pounds x 0.0229 = BTU
- Foot-pounds x 5.05/10,000,000 = Horsepower hours
- Foot-pounds x 3.77/10,000,000 = Kilowatt hours
- Foot-pounds x 1.356 = Joules
- Foot-pounds x 1.356 = Newton meters
- Foot-pounds per minute x 0.00129 = BTU per minute
- Foot-pounds per minute x 3.03/100,000 = Horsepower
- Foot-pounds per second x 0.00182 = Horsepower
- Foot-pounds per second x 1.356 = Watts
- Gallons (US) x 3.785 = Liters
- Gallons (US) x 0.134 = Cubic feet
- Gallons (Imperial) x 1.2 = US Gallons
- Horsepower x 746 = Watts
- Horsepower x 42.4 = BTU per minute
- Horsepower x 33,000 = Foot-pounds per minute
- Horsepower x 550 = Foot-pounds per second

GENERAL CONVERSION TABLE CONT.

Horsepower Boiler x 33,520 = BTU per hour
 Horsepower Boiler x 9.80 = Kilowatts
 Horsepower hours x 2550 = BTU
 Horsepower hours X 1,980,000 = Foot-pounds
 Inches x 2.54 = Centimeters
 Inches of mercury x 1.133 = feet of water
 Inches of mercury x 70.7 = Pounds per square foot
 Inches of mercury x 0.491 = Pounds per square inch
 Inches of mercury x 3.374 = Kilopascals
 Inches of water x 0.0735 = Inches of Mercury
 Inches of water x 5.2 = Pounds per square foot
 Inches of water x 0.2486 = Kilopascals
 Inch pounds x 0.1130 = Newton meters
 Kilowatts x 56.9 = BTU per minute
 Kilowatts x 3412 = BTU per hour
 Kilowatts x 1.341 = Horsepower
 Kilowatt hours x 3412 = BTU
 Kilowatt hours x 1.34 = Horsepower hours
 Miles per hour x 1.47 = Feet per second
 Miles per hour x 0.447 = Meters per second
 Miles per hour x 1.609 = Kilometers per hour
 Minutes x 0.000291 = Radians
 Pounds mass x 0.4536 = Kilograms
 Pounds force x 4.448 = Newtons
 Pounds per cubic foot x 16.02 = Kilograms per cubic meter
 Pounds per cubic foot x 16.02 = Grams per liter
 Pounds per square foot x 0.016 = Feet of water
 Pounds per square inch x 2.31 = Feet of water
 Pounds per square inch x 144 = pounds per square foot
 Pounds per square inch x 6.895 = Kilopascals
 Radians x 57.3 = Degrees
 Radians x 3438 = Minutes
 Revolutions x 6.28 = Radians
 Revolutions per minute x 0.105 = Radians per second
 Square inches x 1,273,000 Circular Mills
 Square inches x 6.452 = Square centimeters
 Square feet x 0.0929 = Square meters