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Refrigeration Systems Company

Conversion Chart for Terms Used in the Refrigeration Industry

Multiply	By	To Obtain
Abampers	1×10^1	Amperes
Abcoulombs	2.998×10^{10}	Statcoulombs
Abhenries	1×10^{-9}	Henries
Abhenries	1×10^{-6}	Millihenries
Abhoms	1×10^{-9}	Ohms
Abhoms	1×10^{-15}	Megohms
Abrarads	1×10^9	Farads
Abrarads	1×10^{15}	Microfarads
Abvolts	1×10^{-8}	Volts
Acres	43.56	Square feet
Acres	4047	Square meters
Acres	1.562×10^{-3}	Square miles
Acres	4840	Square yards
Acres	1×10^1	Sq. Chains (gunters)
Acres	1.60×10^2	Rods
Acres	1×10^5	Sq. links
Acres	4.047×10^{-1}	Hectares or sq. hectometers
Ampere-hours	3.6000×10^3	Coulombs
Ampere-hours	3.731×10^{-2}	Faradays
Amperes/sq. cm.	6.452	Amps/sq. in.
Amperes/sq. cm.	1×10^4	Amps/sq. meter
Amperes/sq. in.	1.550×10^{-1}	Amps/sq. cm.
Amperes/sq. in.	1.550×10^3	Amps/sq. meter
Amperes/sq. meter	1×10^{-4}	Amps/sq. cm.
Amperes/sq. meter	6.452×10^{-4}	Amps/sq. in.
Ampere-turns	1.257	Gilberts
Ampere-turns/cm.	2.540	Amp-turns/in.
Ampere-turns/cm.	1×10^2	Amp-turns/meter

Ampere-turns/in.	3.937×10^{-1}	Amp-turns/cm.
Ampere-turns/in.	3.937×10^1	Amp-turns/meter
Ampere-turns/in.	4.950×10^{-1}	Gilberts/cm.
Ampere-turns/meter	1×10^{-2}	Amp-turns/cm.
Ampere-turns/meter	2.54×10^{-2}	Amp-turns/in.
Ampere-turns/meter	1.257×10^{-2}	Gilberts/cm.
Angstrom unit	3.937×10^{-9}	Inches
Angstrom unit	1×10^{-10}	Meters
Angstrom unit	1×10^{-4}	Microns or (μ)
Ares	2.471×10^{-2}	Acres (U.S.)
Ares	1.196×10^2	Sq. yards
Ares	1×10^2	Sq. meters
Astronomical unit	1.495×10^8	Kilometers
Atmospheres	76	Cms of mercury
Atmospheres	29.92	Inches of mercury
Atmospheres	33.9	feet of water
Atmospheres	10.332	Kgs./sq. meter
Atmospheres	14.7	Lbs./sq. inch
Atmospheres	1.058	Tons/sq. ft.
B.T.U.	100409×10^1	Liter-atmospheres
B.T.U.	1.0550×10^{10}	Ergs
B.T.U.	7.7816×10^2	Foot-pounds
B.T.U.	1.055×10^3	Joules
B.T.U.	2.52×10^2	Gram-calories
B.T.U./hr.	2.162×10^{-1}	Ft. pounds/sec.
B.T.U./hr.	7.0×10^{-2}	Gram-cal./sec.
B.T.U./hr.	3.929×10^{-4}	Horsepower
B.T.U./hr.	2.931×10^{-1}	Watts
B.T.U./min.	12.96	Foot - lbs./sec.
B.T.U./min.	0.02356	Horsepower
B.T.U./min.	0.01757	Kilowatts
B.T.U./min.	17.57	Watts
B.T.U./sq. ft./min.	1.22×10^{-1}	Watts/sq. in.
Bags or sacks – cement	94	Pounds-cement
Barrel- cement	376	Pounds-cement
Barrels - oil	42	Gallons - oil
Barrels (U.S. dry)	3.281	Bushels
Barrels (U.S. dry)	7.056×10^3	Cu. Inches
Barrels (U.S. dry)	1.05×10^2	Quarts (dry)
Barrels (U.S. liquid)	3.15×10^1	Gallons
Bars	9.869×10^{-1}	Atmospheres
Bars	1×10^6	Dynes/sq. cm.
Bars	1.020×10^4	Kgs./sq. meter
Bars	2.089×10^3	Pounds/sq. ft.
Bars	1.45×10^1	Pounds/sq. in
Barye	1	Dynes/sq. cm.

Board feet	144 sq. in. x 1 in.	Cubic inches
Bolt (U.S. cloth)	3.6576×10^1	Meters
British Thermal Units	0.252	Kilogram-calories
British Thermal Units	778.2	Foot - lbs.
British Thermal Units	3.927×10^{-4}	Horsepower - hrs.
British Thermal Units	107.5	Kilogram - meters
British Thermal Units	2.928×10^{-4}	Kilowatt – hrs.
Bucket (br. Dry)	1.8184×10^4	Cubic cm.
Bushels	1.2445	Cubic ft.
Bushels	2.1504×10^3	Cubic in.
Bushels	3.524×10^{-2}	Cubic meters
Bushels	3.524×10^1	Liters
Bushels	4.0	Pecks
Bushels	6.4×10^1	Pints (dry)
Bushels	3.2×10^1	Quarts (dry)
Calories, gram (mean)	3.9685×10^{-3}	B.T.U. (mean)
Candle/ sq. cm.	3.146	Lamberts
Candle/sq. in.	4.870×10^{-1}	Lamberts
Centares (Centiares)	1	Square meters
Centigrade (degrees)	$(^{\circ}\text{C} \times 9/5) + 32$	Fahrenheit (degrees)
Centigrade (degrees)	$^{\circ}\text{C} + 273.18$	Kelvin (degrees)
Centigrams	0.01	Grams
Centiliters	0.01	Liters
Centiliters	3.382×10^{-1}	Ounce (fluid) U.S.
Centiliters	6.103×10^{-1}	Cubic in.
Centiliters	2.705	Drams
Centiliters	1.0×10^{-2}	Liters
Centimeters	0.3937	Inches
Centimeters	0.01	Meters
Centimeters	10	Millimeters
Centimeters	3.281×10^{-2}	Feet
Centimeters	1×10^{-5}	Kilometers
Centimeters	6.214×10^{-6}	Miles
Centimeters	3.937×10^2	Mils
Centimeters	1.094×10^{-2}	Yards
Centimeters	1×10^4	Microns
Centimeters	1×10^8	Angstrom units
Centimeters of mercury	4.461×10^{-1}	Ft. of water
Centimeters of mercury	1.36×10^2	Kgs./sq. meter
Centimeters of mercury	2.785×10^1	Pounds/sq. ft.
Centimeters of mercury	1.934×10^{-1}	Pounds/sq. in.
Centimeters. of mercury	0.01316	Atmospheres
Centimeters/sec.	1.969	Feet/min.
Centimeters/sec.	3.281×10^{-2}	Feet/sec.
Centimeters/sec.	3.6×10^{-2}	Kilometers/hr.

Centimeters/sec.	1.943×10^{-2}	Knots
Centimeters/sec.	6.0×10^{-1}	Meters/min.
Centimeters/sec.	2.237×10^{-2}	Miles/hr.
Centimeters/sec.	3.728×10^{-4}	Miles/min.
Centimeters/sec./sec.	3.281×10^{-2}	Ft./sec./sec.
Centimeters/sec./sec.	3.6×10^{-2}	Kms./hr./sec.
Centimeters/sec./sec.	1×10^{-2}	Meters/sec./sec.
Centimeters/sec./sec.	2.237×10^{-2}	Miles/hr./sec.
Centimeters-dynes	1.020×10^{-3}	Cn-grams
Centimeters-dynes	1.020×10^{-8}	Meter-kgs.
Centimeters-dynes	7.376×10^{-8}	Pound-ft.
Centimeters-grams	9.807×10^2	Cm.-dynes
Centimeters-grams	1×10^{-5}	Meter-kgs.
Centimeters-grams	7.233×10^{-5}	Pound-ft.
Centipose	1.0×10^{-2}	Gr./cm.-sec.
Centipose	6.72×10^{-4}	Pound/ft.-sec.
Centipose	2.4	Pound/ft.-hr.
Chains (gunters)	7.92×10^2	Inches
Chains (gunters)	2.012×10^1	Meters
Chains (gunters)	2.2×10^1	Yards
Circular mils	5.067×10^{-6}	Sq. cm.
Circular mils	7.854×10^{-1}	Sq. mils
Circular mils	7.845×10^{-7}	Sq. inches
Circumference	6.283	Radians
Cms./sec./sec.	0.03281	Feet/sec./sec.
Cord ft.	1.6×10^1	Cubic ft.
Cords	8.0	Cord ft.
Coulombs	2.998×10^9	Statcoulombs
Coulombs	1.036×10^{-5}	Faradays
Coulombs/sq. cm.	6.452	Coulombs/sq. in.
Coulombs/sq. cm.	1×10^4	Coulombs/sq. meters
Coulombs/sq. in.	1.550×10^{-1}	Coulombs/sq. cm.
Coulombs/sq. in.	1.550×10^3	Coulombs/sq. meters
Coulombs/sq. meters	1×10^{-4}	Coulombs/sq. cm.
Coulombs/sq. meters	6.452×10^{-4}	Coulombs/sq. in.
Cubic centimeters	3.531×10^{-5}	Cubic feet
Cubic centimeters	6.102×10^{-2}	Cubic inches
Cubic centimeters	10^{-6}	Cubic meters
Cubic centimeters	1.308×10^{-6}	Cubic yards
Cubic centimeters	2.642×10^{-4}	Gallons
Cubic centimeters	9.999×10^{-4}	Liters
Cubic centimeters	2.113×10^{-3}	Pints (liq.)
Cubic centimeters	1.057×10^{-3}	Quarts (liq.)
Cubic feet	2.832×10^{-4}	Cubic cms.
Cubic feet	1728	Cubic inches
Cubic feet	0.02832	Cubic meters

Cubic feet	0.03704	Cubic yards
Cubic feet	7.48052	Gallons
Cubic feet	28.32	Liters
Cubic feet	59.84	Pints (liq.)
Cubic feet	29.92	Quarts (liq.)
Cubic feet	8.036×10^{-1}	Bushels (dry)
Cubic feet/min.	472	Cubic cms./sec
Cubic feet/min.	0.4719	Liters/sec
Cubic feet/min.	62.43	Pounds of water/min.
Cubic feet/sec.	0.646317	Millions gals./day
Cubic feet/sec.	448.831	Gallons/min.
Cubic inches	16.39	Cubic centimeters
Cubic inches	5.787×10^{-4}	Cubic feet
Cubic inches	1.639×10^{-5}	Cubic meters
Cubic inches	2.143×10^{-5}	Cubic yards
Cubic inches	4.329×10^{-3}	Gallons
Cubic inches	1.639×10^{-2}	Liters
Cubic inches	0.03463	Pints (liq.)
Cubic inches	0.01732	Quarts (liq.)
Cubic meters	10^6	Cubic centimeters
Cubic meters	35.31	Cubic feet
Cubic meters	61023	Cubic inches
Cubic meters	1.308	Cubic yards
Cubic meters	264.2	Gallons
Cubic meters	999.97	Liters
Cubic meters	2113	Pints (liq.)
Cubic meters	1057	Quarts (liq.)
Cubic meters	2.838×10^1	Bushels (dry)
Cubic yards	27	Cubic feet
Cubic yards	46,656	Cubic inches
Cubic yards	0.7646	Cubic meters
Cubic yards	202	Gallons
Cubic yards	764.5	Liters
Cubic yards	1616	Pints (liq.)
Cubic yards	807.9	Quarts (liq.)
Cubic yards	7.646×10^5	Cu. Cms.
Cubic yards/min.	0.45	Cubic feet/sec
Cubic yards/min.	3.366	Gallons/sec.
Cubic yards/min.	12.74	Liters/sec
Daltons	1.650×10^{-24}	Grams
Days	8.65×10^4	Seconds
Days	1.44×10^3	Minutes
Days	2.4×10^1	Hours
Decigrams	0.1	Grams
Deciliters	0.1	Liters
Decimeters	0.1	Meters

Degrees (angle)	60	Minutes
Degrees (angle)	0.01745	Radians
Degrees (angle)	3600	Seconds
Degrees (angle)	1.111×10^{-2}	Quadrants
Degrees/sec.	0.01745	Radians/sec.
Degrees/sec.	0.1667	Revolutions/min.
Degrees/sec.	0.002778	Revolutions/sec.
Dekagrams	10	Grams
Dekaliters	10	Liters
Dekameters	10	Meters
Drams	27.34375	Grains
Drams	0.0625	Ounces
Drams	1.771845	Grams
Drams (apoth. Or troy)	1.3714×10^{-1}	Ounces (avdp.)
Drams (apoth. Or troy)	1.25×10^{-1}	Ounces (troy)
Drams (U.S. fluid or apoth.)	3.6967	Cubic cm.
Dynes	1.020×10^{-3}	Grams
Dynes	1×10^{-7}	Joules/cm.
Dynes	1×10^{-5}	Joules/meter(newtons)
Dynes	1.020×10^{-6}	Kilograms
Dynes	7.233×10^{-5}	Poundals
Dynes	2.248×10^{-6}	Pounds
Dynes/sq. cm.	1×10^{-2}	Ergs/sq. millimeter
Dynes/sq. cm.	9.869×10^{-7}	Atmospheres
Dynes/sq. cm.	2.953×10^{-5}	In. of mercury (at 0 °C)
Dynes/sq. cm.	4.015×10^{-4}	In. of water (at 4 °C)
Dynes/sq. cm.	1×10^{-6}	Bars
Eil	1.1430×10^2	Cm.
Eil	4.5×10^1	Inches
Em, pica	1.67×10^{-1}	Inch
Em, pica	4.233×10^{-1}	Cm.
Erg/sec.	1	Dyne-cm./sec.
Ergs	9.486×10^{-11}	B.T.U.
Ergs	1	Dyne-centimeters
Ergs	7.376×10^{-8}	Foot-pounds
Ergs	2.389×10^{-8}	Gram-calories
Ergs	1.020×10^{-3}	Gram-cms.
Ergs	3.7250×10^{-14}	Horsepower-hrs.
Ergs	1×10^{-7}	Joules
Ergs	2.389×10^{-11}	Kg-calories
Ergs	1.020×10^{-8}	Kg.-meters
Ergs	2.773×10^{-14}	Kilowatt-hrs.
Ergs	2.773×10^{-11}	Watt-hrs.
Ergs/sec.	5.668×10^{-9}	B.T.U./min.
Ergs/sec.	4.426×10^{-6}	Ft.-lbs./min.
Ergs/sec.	7.3756×10^{-8}	Ft.-lbs./sec.

Ergs/sec.	1.341×10^{-10}	Horsepower
Ergs/sec.	1.433×10^{-9}	Kg-calories/min.
Ergs/sec.	1×10^{-10}	Kilowatts
Faraday/sec.	9.65×10^4	Ampere (absolute)
Faradays	2.68×10^1	Ampere-hours
Faradays	9.649×10^4	Coulombs
Farads	1×10^6	Microfarads
Fathoms	6	Feet
Fathoms	1.8288	Meters
Feet	30.48	Centimeters
Feet	12	Inches
Feet	0.3048	Meters
Feet	1/3	Yards
Feet	3.048×10^{-4}	Kilometers
Feet	1.645×10^{-4}	Miles (naut.)
Feet	1.894×10^{-4}	Miles (stat.)
Feet	30048×10^2	Millimeters
Feet	1.2×10^4	Mils
Feet of water	0.0295	Atmospheres
Feet of water	0.8826	Inches of mercury
Feet of water	304.8	Kgs./sq. meter
Feet of water	62.43	Lbs./sq.ft.
Feet of water	0.4335	Lbs./sq. inch
Feet of water	3.048×10^{-2}	Kgs./sq. cm.
Feet/100 feet	1	Per cent grade
Feet/min.	0.508	Centimeters/sec.
Feet/min.	0.01667	Feet/sec.
Feet/min.	0.01829	Kilometers/hr.
Feet/min.	0.3048	Meters/min.
Feet/min.	0.01136	Miles/hr
Feet/sec.	1.097	Kms./hr.
Feet/sec.	5.921×10^{-1}	Knots
Feet/sec.	1.826×10^1	Meters/min.
Feet/sec.	6.818×10^{-1}	Miles/hr.
Feet/sec.	1.136×10^{-2}	Miles/min.
Feet/sec.	1.097	Kms./hr./sec.
Feet/sec.	6.818×10^{-1}	Miles/hr./sec.
Feet/sec./sec	30.48	Cms./sec./sec.
Feet/sec./sec	0.3048	Meters/sec./sec.
Foot candle	1.0764×10^1	Lumen/sq. meter
Foot candle	1.0764×10^1	Lux
Foot-pounds	1.286×10^{-3}	British Thermal Units
Foot-pounds	5.050×10^{-7}	Horsepower - hrs.
Foot-pounds	3.240×10^{-4}	Kilogram-calories
Foot-pounds	0.1383	Kilogram-meters
Foot-pounds	1.356×10^7	Ergs

Foot-pounds	3.241×10^{-1}	Gram-calories
Foot-pounds	1.356	Joules
Foot-pounds min.	3.0030×10^{-51}	Horsepower
Foot-pounds min.	5.393×10^{-3}	GM - calories/sec
Foot-pounds min.	2.260×10^{-5}	Kilowatts
Foot-pounds min.	3.766×10^{-7}	Kilowatt-hours
Foot-pounds min.	2.140×10^{-5}	B.T.U. sec.
Foot-pounds min.	0.01667	Foot-pounds/sec
Foot-pounds/min.	1.283×10^{-2}	Foot-pounds/sec.
Foot-pounds/min.	3.030×10^{-5}	Horsepower
Foot-pounds/min.	3.241×10^{-4}	Kg.-calories/min.
Foot-pounds/min.	2.260×10^{-5}	Kilowatts
Foot-pounds/sec.	4.6263	B.T.U./hr.
Foot-pounds/sec.	7.717×10^{-2}	B.T.U./min.
Foot-pounds/sec.	1.818×10^{-3}	Horsepower
Foot-pounds/sec.	1.945×10^{-2}	Kg.-calories/min.
Foot-pounds/sec.	1.356×10^{-3}	Kilowatts
Furlongs	1.25×10^{-1}	Miles (U.S.)
Furlongs	4.0×10^1	Rods
Furlongs	6.6×10^2	Feet
Furlongs	2.0117×10^2	Meters
Gallons	3785	Cubic centimeters
Gallons	0.1337	Cubic feet
Gallons	231	Cubic inches
Gallons	3.785×10^{-3}	Cubic meters
Gallons	4.921×10^{-3}	Cubic yards
Gallons	3.785	Liters
Gallons	8	Pints (liq.)
Gallons	4	Quarts (liq.)
Gallons – Imperial	1.20095	U.S. Gallons
Gallons- U.S.	0.83267	Imperial gallons
Gallons water	8.345	Pounds of water
Gallons/min	2.228×10^{-3}	Cubic feet/sec
Gallons/min	0.06308	Liters/sec
Gallons/min	8.0208	Cu. Ft./hr.
Gausses	6.452	Lines/sq. in.
Gausses	1.0×10^{-8}	Webers/sq. cm.
Gausses	6.452×10^{-8}	Webers/sq. in.
Gausses	1.0×10^{-4}	Webers/sq. meter
Gausses	7.958×10^{-1}	Amp. -turn/cm.
Gausses	1.0	Gilbert/cm.
Gilberts	7.958×10^{-1}	Ampere-turns
Gilberts/cm.	7.958×10^{-1}	Ampere-turns/cm.
Gilberts/cm.	2.021	Ampere-turns/in.
Gilberts/cm.	7.958×10^1	Ampere-turns/meters
Gills (British)	1.4207×10^2	Cubic cm.

Gills (U.S.)	1.18295×10^2	Cubic cm.
Gills (U.S.)	1.183×10^{-1}	Liters
Gills (U.S.)	2.5×10^{-1}	Pints (liq.)
Grade	1.571×10^{-2}	Radian
Grains	3.657×10^{-2}	Drams (avdp.)
Grains (troy)	0.0648	Grams
Grains (troy)	0.04167	Pennyweight (troy)
Grains (troy)	2.0833×10^{-3}	Ounces
Grains (Troy)	1	Grains (avdp.)
Grains/Imp. gal	14.254	Parts/million
Grains/U.S. gal	17.118	Parts/million
Grains/U.S. gal	142.86	Lbs./million gal.
Gram-centimeters	9.297×10^{-8}	B.T.U.
Gram-centimeters	9.807×10^2	Ergs
Gram-centimeters	9.807×10^{-5}	Joules
Gram-centimeters	2.343×10^{-8}	Kg.-calories
Gram-centimeters	1.0×10^{-5}	Kg.-meters
Grams	980.73	Dynes
Grams	15.43	Grains
Grams	0.001	Kilograms
Grams	1000	Milligrams
Grams	0.03527	Ounces
Grams	0.03215	Ounces (troy)
Grams	2.205×10^{-3}	Pounds
Grams	9.807×10^{-5}	Joules/cm.
Grams	9.807×10^{-3}	Joules/meter (newtons)
Grams	7.093×10^{-2}	Poundals
Grams cu. cm.	0.03613	Pounds/cubic inch
Grams/cm.	5.600×10^{-3}	Pounds/inch
Grams/cu. cm.	62.43	Pounds/cubic foot
Grams/cu. cm.	3.405×10^{-7}	Pounds/mil-foot
Grams/liter	58.416	Grains/gal.
Grams/liter	8.345	Pounds/1000 gals.
Grams/liter	0.06242	Pounds/cubic foot
Grams/liter	1000	Parts/million
Grams/sq. cm.	2.0481	Pounds/sq. ft.
Grams-Calories	3.9683	B.T.U.
Grams-Calories	4.184×10^7	Ergs
Grams-Calories	3.086	Foot-pounds
Grams-Calories	1.5596×10^{-6}	Horsepower-hrs.
Grams-Calories	1.162×10^{-6}	Kilowatt-hrs.
Grams-Calories	1.162×10^{-3}	Watt-hrs.
Grams-Calories/sec.	1.4286×10^1	B.T.U./hr.
Hand	1.016×10^1	Cm.
Hectares	2.471	Acres
Hectares	1.076×10^5	Square feet

Hectograms	100	Grams
Hectoliters	100	Liters
Hectometers	100	Meters
Hectowatts	100	Watts
Henries	1.0×10^3	Millihenries
Hogsheads (British)	1.0114×10^1	Cubic ft.
Hogsheads (U.S.)	8.42184	Cubic ft.
Hogsheads (U.S.)	6.3×10^1	Gallons (U.S.)
Horsepower	42.44	B.T.U. min.
Horsepower	33	Foot-pounds/min
Horsepower	550	Foot-pounds/sec
Horsepower	1.014	Horsepower (metric)
Horsepower	10.547	Kg. - calories/min
Horsepower	0.7457	Kilowatts
Horsepower	745.7	Watts
Horsepower - hours	2546	B.T.U.
Horsepower - hours	1.98×10^6	Foot - lbs
Horsepower - hours	641.6	Kilogram-calories
Horsepower - hours	2.737×10^5	Kilogram-meters
Horsepower - hours	0.7457	Kilogram-hours
Horsepower (boiler)	33,793	B.T.U./hr.
Horsepower (boiler)	9.809	Kilowatts
Horsepower (metric)	9.863×10^{-1}	Horsepower
Horsepower-hours	2.6845×10^{13}	Ergs
Horsepower-hours	2.684×10^6	Joules
Hours	4.167×10^{-2}	Days
Hours	5.952×10^{-3}	Weeks
Hours	3.6×10^3	Seconds
Hundredwghts (long)	1.12×10^2	Pounds
Hundredwghts (long)	5.0×10^{-2}	Tons (long)
Hundredwghts (long)	5.08023×10^1	Kilograms
Hundredwghts (short)	4.53592×10^{-2}	Tons (metric)
Hundredwghts (short)	4.46429×10^{-2}	Tons (long)
Hundredwghts (short)	4.53592×10^1	Kilograms
In n	4.343×10^{-1}	Log ₁₀ n
Inches	2.54	Centimeters
Inches	2.540×10^{-2}	Meters
Inches	1.578×10^{-5}	Miles
Inches	2.54×10^1	Millimeters
Inches	1.0×10^3	Mils
Inches	2.778×10^{-2}	Yards
Inches	2.54×10^8	Angstrom units
Inches	5.0505×10^{-3}	Rods
Inches of mercury	0.03342	Atmospheres
Inches of mercury	1.133	Feet of water
Inches of mercury	345.3	Kgs./sq. meter

Inches of mercury	70.73	Lbs./sq. ft.
Inches of mercury	3.453×10^{-2}	Kgs./sq. cm.
Inches of mercury (32° F)	0.491	Lbs./sq. inch
Inches of water	0.03613	Lbs./sq. inch
Inches of water (at 4 °C)	2.458×10^{-3}	Atmospheres
Inches of water (at 4 °C)	7.355×10^{-2}	Inches of mercury
Inches of water (at 4 °C)	2.54×10^{-3}	Kgs./sq. cm.
Inches of water (at 4 °C)	5.781×10^{-1}	Ounces/sq. in.
Inches of water (at 4 °C)	5.204	Pounds/sq. ft.
Inches of water (at 4 °C)	3.613×10^{-2}	Pounds/sq. in.
Internat'l coulomb	9.99835×10^{-1}	Absolute coulomb
Internat'l ampere	9.998×10^{-1}	Absolute amp. (U.S.)
Internat'l volt	1.00033	Absolute volt (U.S.)
Joules	9.486×10^{-4}	B.T.U.
Joules	1.0×10^7	Ergs
Joules	7.736×10^{-1}	Foot-pounds
Joules	2.389×10^{-4}	Kg.-calories
Joules	1.020×10^{-1}	Kg.-meters
Joules	2.778×10^{-4}	Watt-hrs.
Joules/cm.	1.020×10^4	Grams
Joules/cm.	1.0×10^7	Dynes
Joules/cm.	1.0×10^2	Joules/meter (newtons)
Kgs./meter	0.672	Lbs/foot
Kgs./sq. meter	9.678×10^{-5}	Atmospheres
Kgs./sq. meter	3.281×10^{-3}	Feet of water
Kgs./sq. meter	2.896×10^{-3}	Inches of mercury
Kgs./sq. meter	0.2048	Lbs./sq. foot
Kgs./sq. meter	1.422×10^{-3}	Lbs./sq. inch
Kgs./sq. millimeter	10^6	Kgs./sq. meter
Kilogram-calories	4.183×10^3	Joules
Kilogram-calories	1.558 x	Horsepower-hrs.
	Kilogram-calories	
Kilogram-calories	4.269×10^2	Kg.-meters
Kilogram-calories	4.186	Kilojoules
Kilogram-calories	1.163×10^{-3}	Kilowatt-hrs.
Kilogram-calories/min.	5.143×10^1	Ft.-lbs./sec.
Kilogram-calories/min.	6.972×10^{-2}	Kilowatts
Kilogram-meters	9.296×10^{-3}	B.T.U.
Kilogram-meters	9.807×10^7	Ergs
Kilogram-meters	7.233	Foot-pounds
Kilogram-meters	9.807	Joules
Kilogram-meters	2.342×10^{-3}	Kg.-calories
Kilogram-meters	2.723×10^{-4}	Kilowatt-hrs.
Kilograms	980,665	Dynes
Kilograms	2.205	Lbs.

Kilograms	1.102×10^{-3}	Tons (short)
Kilograms	10^3	Grams
Kilograms	3.5274×10^1	Ounces (avdp.)
Kilograms	9.807×10^{-2}	Joules/cm.
Kilograms	9.807	Joules/meter (newtons)
Kilograms	7.093×10^1	Poundals
Kilograms	9.842×10^{-4}	Tons (long)
Kilograms/cu. meter	1.0×10^{-3}	Grams/cu. cm.
Kilograms/cu. meter	6.243×10^{-2}	Pounds/cu. ft.
Kilograms/cu. meter	3.613×10^{-5}	Pounds/cu. in.
Kilograms/cu. meter	3.405×10^{-10}	Pounds/mil-foot
Kilograms/meter	6.72×10^{-1}	Pounds/ft.
Kilograms/sq. cm.	9.80665×10^5	Dynes/sq. cm.
Kilograms/sq. cm.	9.678×10^{-1}	Atmospheres
Kilograms/sq. cm.	3.281×10^1	Feet of water
Kilograms/sq. cm.	2.896×10^1	Inches of mercury
Kilograms/sq. cm.	2.048×10^3	Pounds/sq. ft.
Kilograms/sq. cm.	1.422×10^1	Pounds/sq. in.
Kilograms/sq. meter	9.678×10^{-5}	Atmospheres
Kilograms/sq. meter	9.807×10^{-5}	Bars
Kilograms/sq. meter	3.281×10^{-3}	Feet of water
Kilograms/sq. meter	2.896×10^{-3}	Inches of mercury
Kilograms/sq. meter	2.048×10^{-1}	Pounds/sq. ft.
Kilograms/sq. meter	1.422×10^{-3}	Pounds/sq. in.
Kilograms/sq. meter	9.80665×10^1	Dynes/sq. cm.
Kilograms/sq. mm.	1.0×10^6	Kgs./sq. meter
Kilograms-cal./min.	3085.9	Foot-lbs/min
Kilograms-cal./min.	0.09351	Horsepower
Kilograms-cal./min.	69.733	Watts
Kilograms-cal./sec	3.968	B.T.U./sec
Kilograms-cal./sec	3086	Foot-lbs/sec
Kilograms-cal./sec	5.6145	Horsepower
Kilograms-cal./sec	4186.7	Watts
Kilolines	1.0×10^3	Maxwells
Kiloliters	10^3	Liters
Kiloliters	1.308	Cubic yards
Kiloliters	3.5316×10^1	Cubic feet
Kiloliters	2.6418×10^2	Gallons (U.S. liquid)
Kilometers	3281	Feet
Kilometers	10^3	Meters
Kilometers	0.6241	Miles
Kilometers	1094	Yards
Kilometers	1.0×10^5	Centimeters
Kilometers	3.937×10^4	Inches
Kilometers	6.214×10^{-1}	Miles (statute)
Kilometers	5.396×10^{-1}	Miles (nautical)

Kilometers	1.0×10^6	Millimeters
Kilometers/hr.	27.78	Centimeters/sec.
Kilometers/hr.	54.68	Feet/min.
Kilometers/hr.	0.9113	Feet/sec.
Kilometers/hr.	0.5399	Knots
Kilometers/hr.	16.67	Meters/min.
Kilometers/hr.	0.6214	Miles/hr
Kilometers/hr./sec.	6.214×10^{-1}	Miles/hr./sec.
Kilowatt - hours	3414.4	B.T.U.
Kilowatt - hours	2.655×10^6	Foot - lbs
Kilowatt - hours	1.341	Horsepower - hrs.
Kilowatt - hours	860.4	Kilogram - calories
Kilowatt - hours	3.671×10^5	Kilogram - meters
Kilowatt-hrs.	3.6×10^{13}	Ergs
Kilowatt-hrs.	8.5985×10^5	Gram calories
Kilowatt-hrs.	1.341	Horsepower-hours
Kilowatt-hrs.	3.6×10^6	Joules
Kilowatt-hrs.	8.605×10^2	Kg. calories
Kilowatt-hrs.	3.53	Pounds of water evaporated from and at 212 °F
Kilowatt-hrs.	2.275×10^1	Pounds of water raised from 62 ° to 212 °F
Kilowatts	56.907	B.T.U./MIN.
Kilowatts	4.425×10^4	Foot - lbs./min.
Kilowatts	737.6	Foot - lbs./sec.
Kilowatts	1.341	Horsepower
Kilowatts	14.34	Kg - Calories/min.
Kilowatts	10^3	Watts
Kms./hr./sec.	27.78	Cms./sec./sec.
Kms./hr./sec.	0.9113	Ft./sec./sec.
Kms./hr./sec.	0.2778	Meters/sec./sec
Knots	6.076×10^3	Feet/hr.
Knots	1.852	Kilometers/hr.
Knots	1.0	Nautical miles/hr.
Knots	1.151	Stature miles/hr.
Knots	2.027×10^3	Yards/hr.
Knots	1.688	Feet/sec.
Knots	5.144×10^1	Cm./sec.
Lambert	3.183×10^{-1}	Candle/sq. cm.
Lambert	2.054	Candle/sq. in.
League	3.0	Miles (approx.)
Light Year	5.9×10^{12}	Miles
Light Year	9.46091×10^{12}	Kilometers
Lines/sq. cm.	1.0	Gausses
Lines/sq. in.	1.55×10^{-1}	Gausses

Lines/sq. in.	1.55×10^{-9}	Webers/sq. cm.
Lines/sq. in.	1.0×10^{-8}	Webers/sq. in.
Lines/sq. in.	1.55×10^{-5}	Webers/sq. meter
Links (engineers)	1.2×10^1	Inches
Links (surveyors)	7.92	Inches
Liters	10^3	Cubic centimeters
Liters	0.03531	Cubic feet
Liters	61.02	Cubic inches
Liters	10^{-3}	Cubic meters
Liters	1.308×10^{-3}	Cubic yards
Liters	0.2642	Gallons
Liters	2.113	Pints (liq.)
Liters	1.057	Quarts (liq.)
Liters	2.838×10^{-2}	Bushels (U.S. dry)
Liters/min.	5.886×10^{-4}	Cubic ft./sec.
Liters/min.	4.403×10^{-3}	Gals. /sec.
Log ₁₀ n	2.303	In n
Lumber Width (in.) x Thickness (in.)/12	Length (ft.)	Board feet
Lumen	7.958×10^{-2}	Spherical candle power
Lumen/sq. ft.	1.0	Foot-candles
Lumen/sq. ft.	1.076×10^1	Lumen-sq. meter
Lux	9.29×10^{-2}	Foot-candles
Maxwells	1.0×10^{-3}	Kilolines
Maxwells	1.0×10^{-8}	Webers
Megalines	1.0×10^6	Maxwells
Megmhos/cubic cm.	1.0×10^{-3}	Abmhos/cubic cm.
Megmhos/cubic cm.	2.54	Megmhos/cubic in.
Megmhos/cubic cm.	1.662×10^{-1}	Mhos/mil. ft.
Megmhos/in. cube	3.937×10^{-1}	Megmhos/ cubic cm.
Megohms	1.0×10^{12}	Microhms
Megohms	1.0×10^6	Ohms
Meter-Kilograms	9.807×10^7	Cm.-dynes
Meter-Kilograms	1.0×10^5	Cm.-grams
Meter-Kilograms	7.233	Pound-feet
Meters	100	Centimeters
Meters	3.281	Feet
Meters	39.37	Inches
Meters	10^{-3}	Kilometers
Meters	10^3	Millimeters
Meters	1.094	Yards
Meters	1.0×10^{10}	Angstrom units
Meters	5.4681×10^{-1}	Fathoms
Meters	5.400×10^{-4}	Miles (nautical)
Meters	6.214×10^{-4}	Miles (statute)
Meters/min.	1.667	Centimeters

Meters/min.	3.281	Feet/min.
Meters/min.	0.05468	Feet/sec.
Meters/min.	0.06	Kilometers/hr.
Meters/min.	0.03728	Miles/hr.
Meters/min.	3.240×10^{-2}	Knots
Meters/sec.	1.968×10^2	Feet/min.
Meters/sec.	3.281	Feet/sec.
Meters/sec.	3.6	Kilometers/hr.
Meters/sec.	6.0×10^{-2}	Kilometers/min.
Meters/sec.	2.237	Miles/hr.
Meters/sec.	3.728×10^{-2}	Miles/min.
Meters/sec./sec.	1.0×10^2	Cms./sec./sec.
Meters/sec./sec.	3.281	Ft./sec./sec.
Meters/sec./sec.	3.6	Kms./hr./sec.
Meters/sec./sec.	2.237	Miles/hr./sec.
Micograms	1.0×10^{-6}	Grams
Microfarads	1.0×10^{-15}	Abfarads
Microfarads	1.0×10^{-6}	Farads
Microfarads	9.0×10^5	Statfarads
Microhms	1.0×10^3	Abohms
Microhms	1.0×10^{-12}	Megohms
Microhms	1.0×10^{-6}	Ohms
Microliters	1.0×10^{-6}	Liters
Microminrons	1.0×10^{-12}	Meters
Microns	10^{-6}	Meters
Miles	1.609×10^5	Centimeters
Miles	5280	Feet
Miles	1.609	Kilometers
Miles	1760	Yards
Miles (nautical)	6.076×10^3	Feet
Miles (nautical)	1.852	Kilometers
Miles (nautical)	1.852×10^3	Meters
Miles (nautical)	1.1516	Miles (statute)
Miles (nautical)	2.0254×10^3	Yards
Miles (statute)	1.609×10^5	Centimeters
Miles (statute)	5.280×10^3	Feet
Miles (statute)	6.336×10^4	Inches
Miles (statute)	1.609	Kilometers
Miles (statute)	1.609×10^3	Meters
Miles (statute)	8.684×10^{-1}	Miles (nautical)
Miles (statute)	1.760×10^3	Yards
Miles (statute)	1.69×10^{-13}	Light years
Miles/hr.	44.7	Centimeters/sec.
Miles/hr.	88	Feet/min.
Miles/hr.	1.467	Feet/sec.
Miles/hr.	1.609	Kilometers/hr.

Miles/hr.	0.8689	Knots
Miles/hr.	26.82	Meters/min.
Miles/hr.	2.682×10^{-2}	Kms./min.
Miles/hr.	1.667×10^{-2}	Miles/min.
Miles/hr./sec.	4.47×10^1	Cms./sec./sec.
Miles/hr./sec.	1.467	Ft./sec./sec.
Miles/hr./sec.	1.6093	Kms./hr./sec.
Miles/hr./sec.	4.47×10^{-1}	Meters/sec./sec.
Miles/min.	2682	Centimeters/sec.
Miles/min.	88	Feet/sec.
Miles/min.	1.609	Kilometers/min.
Miles/min.	60	Miles/hr.
Miles/min.	2.682×10^3	Cms./sec.
Miles/min.	8684×10^{-1}	Knots/min.
Milliers	10^3	Kilograms
Milligrams	10^{-3}	Grams
Milligrams	1.5432×10^{-2}	Grains
Milligrams/liter	1	Parts/million
Milligrams/liter	1.0	Parts/million
Millihenries	1.0×10^{-3}	Henries
Millimeters	0.1	Centimeters
Millimeters	0.03937	Inches
Millimeters	3.281×10^{-3}	Feet
Millimeters	1.0×10^{-6}	Kilometers
Millimeters	1.0×10^{-3}	Meters
Millimeters	6.214×10^{-7}	Miles
Millimeters	3.937×10^1	Mils
Millimeters	1.094×10^{-3}	Yards
Millimicrons	1.0×10^{-9}	Meters
Million gals./day	1.54723	Cubic ft./sec.
Milliliters	10 to ^{-3}	Liters
Mils	2.54×10^{-3}	Centimeters
Mils	8.333×10^{-5}	Feet
Mils	1.0×10^{-3}	Inches
Mils	2.54×10^{-8}	Kilometers
Mils	2.778×10^{-5}	Yards
Miner's inches	1.5	Cu. ft./min.
Minims (British)	5.9192×10^{-2}	Cubic cm.
Minims (U.S. fluid)	6.1612×10^{-2}	Cubic cm.
Minutes (angle)	2.909×10^{-4}	Radians
Minutes (angles)	1.667×10^{-2}	Degrees
Minutes (angles)	1.852×10^{-4}	Quadrants
Minutes (angles)	6.0×10^1	Seconds
Minutes (time)	9.9206×10^{-5}	Weeks
Minutes (time)	6.944×10^{-4}	Days
Minutes (time)	1.667×10^{-2}	Hours

Minutes (time)	6.0×10^1	Seconds
Myriagrams	1.0×10^1	Kilograms
Myriameters	1.0×10^1	Kilometers
Myuriawatts	1.0×10^1	Kilowatts
Nails	2.25	Inches
Newtons	1.0×10^5	Dynes
Ohm (international)	1.0005	Ohm (absolute)
Ohms	1.0×10^{-6}	Megohms
Ohms	1.0×10^6	Microhms
Ounce/sq. in.	4.309×10^3	Dynes/sq. cm.
Ounces	16	Drams
Ounces	437.5	Grains
Ounces	0.0625	Pounds
Ounces	28.3495	Grams
Ounces	0.9115	Ounces (troy)
Ounces	2.790×10^{-5}	Tons (long)
Ounces	2.835×10^{-5}	Tons (metric)
Ounces	3.125×10^{-5}	Tons (short)
Ounces (fluid)	1.805	Cubic inches
Ounces (fluid)	0.02957	Liters
Ounces (fluid)	1.805	Cu. Inches
Ounces (fluid)	2.957×10^{-2}	Liters
Ounces (troy)	480	Grains
Ounces (troy)	20	Pennyweights (troy)
Ounces (troy)	0.08333	Pounds (troy)
Ounces (troy)	31.10348	Grams
Ounces (troy)	1.09714	Ounces (avoir.)
Ounces (troy)	1.097	Ounces (avdp.)
Ounces/sq. inch	0.0625	Lbs./sq. inch
Pace	3.0×10^1	Inches
Parsec	1.9×10^{13}	Miles
Parsec	3.084×10^{13}	Kilometers
Parts/million	0.0584	Grains/U.S. gal.
Parts/million	0.07015	Grains/Imp. Gal.
Parts/million	8.345	Lbs./million gal.
Pecks (British)	5.546×10^2	Cubic inches
Pecks (British)	9.0919	Liters
Pecks (U.S.)	2.5×10^{-1}	Bushels
Pecks (U.S.)	5.376×10^2	Cubic inches
Pecks (U.S.)	8.8096	Liters
Pecks (U.S.)	8	Quarts (dry)
Pennyweights (troy)	24	Grains
Pennyweights (troy)	1.55517	Grams
Pennyweights (troy)	0.05	Ounces (troy)
Pennyweights (troy)	4.1667×10^{-3}	Pounds (troy)
Pints (dry)	3.36×10^1	Cubic inches

Pints (dry)	1.5625×10^{-2}	Bushels
Pints (dry)	5.0×10^{-1}	Quarts
Pints (dry)	5.5059×10^{-1}	Liters
Pints (liquid)	4.732×10^2	Cubic cms.
Pints (liquid)	1.671×10^{-2}	Cubic ft.
Pints (liquid)	2.887×10^1	Cubic inches
Pints (liquid)	4.732×10^{-4}	Cubic meters
Pints (liquid)	6.189×10^{-4}	Cubic yards
Pints (liquid)	1.25×10^{-1}	Gallons
Pints (liquid)	4.732×10^{-1}	Liters
Pints (liquid)	5.0×10^{-1}	Quarts (liquid)
Planck's quantum	6.624×10^{-27}	Erg-seconds
Poise	1.0	Gram/cm.-sec.
Poundals	1.3826×10^4	Dynes
Poundals	1.41×10^1	Grams
Poundals	1.383×10^{-3}	Joules/cm.
Poundals	1.383×10^{-1}	Joules/meter (newtons)
Poundals	1.41×10^{-2}	Kilograms
Poundals	3.108×10^{-2}	Pounds
Pound-feet	1.356×10^7	Cm.-dynes
Pound-feet	1.3825×10^4	Cm.-grams
Pound-feet	1.383×10^{-1}	Meter-kgs.
Pounds	16	Ounces
Pounds	256	Drams
Pounds	7000	Grains
Pounds	0.0005	Tons (short)
Pounds	453.5924	Grams
Pounds	1.21528	Pounds (troy)
Pounds	14.5833	Ounces (troy)
Pounds	4.448×10^5	Dynes
Pounds	4.448×10^{-2}	Joules/cm.
Pounds	4.448	Joules/meter (newtons)
Pounds	4.536×10^{-1}	Kilograms
Pounds	3.217×10^1	Poundals
Pounds	5.0×10^{-4}	Tons (short)
Pounds (troy)	5760	Grains
Pounds (troy)	240	Pennyweights (troy)
Pounds (troy)	12	Ounces (troy)
Pounds (troy)	373.2417	Grams
Pounds (troy)	0.822857	Pounds (avoir.)
Pounds (troy)	13.1657	Ounces (avoir.)
Pounds (troy)	3.6735×10^{-4}	Tons (long)
Pounds (troy)	4.1143×10^{-4}	Tons (short)
Pounds (troy)	3.7324×10^{-4}	Tons (metric)
Pounds of water	0.01602	Cubic feet
Pounds of water	27.68	Cubic inches

Pounds of water	0.1198	Gallons
Pounds of water/min.	2.670×10^{-4}	Cubic ft./sec.
Pounds/cu. ft.	5.456×10^{-9}	Pounds/mil-foot
Pounds/cu. in.	9.425×10^{-6}	Pounds/mil-foot
Pounds/cubic foot	0.01602	Grams/cubic cm.
Pounds/cubic foot	16.02	Kgs./cubic meters
Pounds/cubic foot	5.787×10^{-4}	Lbs./cubic inch
Pounds/cubic inch	27.68	Grams/cubic cm.
Pounds/cubic inch	2.768×10^4	Kgs./cubic meters
Pounds/cubic inch	1728	Lbs./cubic foot
Pounds/foot	1.488	Kgs./meter
Pounds/inch	178.58	Grams/cm.
Pounds/mil-foot	2.306×10^6	Grams/cu. cm.
Pounds/sq. foot	0.01602	Feet of water
Pounds/sq. foot	4.882	Kgs./sq. meter
Pounds/sq. foot	6.944×10^{-3}	Pounds/sq. inch
Pounds/sq. ft.	4.725×10^{-4}	Atmospheres
Pounds/sq. ft.	1.414×10^{-2}	Inches of mercury
Pounds/sq. ft.	7.2×10^{-2}	Short tons/sq. ft.
Pounds/sq. ft.	7.03×10^{-2}	Kgs./sq. cm.
Pounds/sq. in.	1.44×10^2	Pounds/sq. ft.
Pounds/sq. inch	0.06804	Atmospheres
Pounds/sq. inch	2.307	Feet of water
Pounds/sq. inch	2.036	Inches of mercury
Pounds/sq. inch	703.1	Kgs./sq. meter
Quadrants (angle)	90	Degrees
Quadrants (angle)	5400	Minutes
Quadrants (angle)	1.571	Radians
Quadrants (angle)	3.24×10^5	Seconds
Quarts (dry)	67.2	Cubic inches
Quarts (liq.)	57.75	Cubic inches
Quarts (liquid)	9.464×10^2	Cu. cms.
Quarts (liquid)	3.342×10^{-2}	Cu. ft.
Quarts (liquid)	9.464×10^{-4}	Cu. meters
Quarts (liquid)	1.238×10^{-3}	Cu. yards
Quarts (liquid)	2.5×10^{-1}	Gallons
Quarts (liquid)	9.463×10^{-1}	Liters
Quintal, Metric	220.46	Pounds
Quires	25	Sheets
Radians	57.3	Degrees
Radians	3438	Minutes
Radians	0.637	Quadrants
Radians	2.063×10^5	Seconds
Radians/sec.	57.3	Degrees/sec.
Radians/sec.	0.1592	Revolutions/sec
Radians/sec.	9.549	Revolutions/min.

Radians/sec./sec.	573	Revs. /min./min.
Radians/sec./sec.	0.1592	Revs. /sec./sec.
Radians/sec./sec.	9.549	Revs. /min./min.
Reams	500	Sheets
Revolutions	360	Degrees
Revolutions	4	Quadrants
Revolutions	6.283	Radians
Revolutions/min.	6	Degrees/sec.
Revolutions/min.	0.1047	Radians/sec.
Revolutions/min.	0.01667	Revolutions/sec
Revolutions/min./min.	1.745×10^{-3}	Rads. /sec./sec.
Revolutions/min./min.	2.778×10^{-4}	Revs. /sec./sec.
Revolutions/sec.	3.6×10^2	Degrees/sec.
Revolutions/sec.	6.283	Radians/sec.
Revolutions/sec.	6.0×10^1	Revs. /min.
Revs. /min./min.	1.667×10^{-2}	Rev./min./min.
Revs. /sec./sec.	6.283	Radians/sec./sec.
Revs. /sec./sec.	3.6×10^3	Revs. /min./min.
Revs. /sec./sec.	3.0×10^1	Revs. /min./sec.
Rods	2.5×10^{-1}	Chains (gunters)
Rods	5.029	Meters
Rods	1.65×10^1	Feet
Rods	1.98×10^2	Inches
Rods	3.125×10^{-3}	Miles
Rods (surveyors' meas.)	5.5	Yards
Rope	2.0×10^1	Feet
Scruples	2.0×10^1	Grains
Seconds (angle)	4.848×10^{-6}	Radians
Seconds (angle)	2.778×10^{-4}	Degrees
Seconds (angle)	1.667×10^{-2}	Minutes
Seconds (angle)	3.087×10^{-6}	Quadrants
Slugs	1.459×10^1	Kilograms
Slugs	3.217×10^1	Pounds
Sphere (solid angle)	1.257×10^1	Steradians
1/Sq.ft.-gal. -min.	8.0208	Overflow rate (ft./hr.)
Square centimeters	1.076×10^{-3}	Square feet
Square centimeters	0.155	Square inches
Square centimeters	10^{-4}	Square meters
Square centimeters	100	Square millimeters
Square centimeters	1.973×10^5	Circular mils
Square centimeters	3.861×10^{-11}	Sq. miles
Square centimeters	1.196×10^{-4}	Sq. yards
Square degrees	3.0462×10^{-4}	Steradians
Square feet	2.296×10^{-5}	Acres
Square feet	929	Square centimeters
Square feet	144	Square inches

Square feet	0.0929	Square meters
Square feet	3.587×10^{-8}	Square miles
Square feet	1/9	Square yards
Square feet	1.833×10^8	Circular mils
Square feet	9.29×10^4	Sq. millimeters
Square inches	6.452	Square centimeters
Square inches	6.944×10^{-3}	Square feet
Square inches	645.2	Square millimeters
Square inches	1.276×10^6	Circular mils
Square inches	1.0×10^6	Sq. mils
Square inches	7.716×10^{-4}	Sq. yards
Square kilometers	247.1	Acres
Square kilometers	10.76×10^6	Square feet
Square kilometers	10^6	Square meters
Square kilometers	0.3861	Square miles
Square kilometers	1.196×10^6	Square yards
Square kilometers	1.0×10^{10}	Sq. cms.
Square kilometers	1.550×10^9	Sq. inches
Square meters	2.471×10^{-4}	Acres
Square meters	10.76	Square feet
Square meters	3.861×10^{-7}	Square miles
Square meters	1.196	Square yards
Square meters	1.0×10^4	Sq. cms.
Square meters	1.55×10^3	Sq. inches
Square meters	1.0×10^6	Sq. millimeters
Square miles	640	Acres
Square miles	27.88×10^6	Square feet
Square miles	2.59	Square kilometers
Square miles	3.098×10^6	Square yards
Square miles	2.590×10^6	Sq. meters
Square millimeters	0.01	Square centimeters
Square millimeters	1.550×10^{-3}	Square inches
Square millimeters	1.973×10^3	Circular mils
Square millimeters	1.076×10^{-5}	Sq. ft
Square mils	1.273	Circular mils
Square mils	6.452×10^{-6}	Sq. cms.
Square mils	1.0×10^{-6}	Sq. inches
Square yards	2.066×10^{-4}	Acres
Square yards	9	Square feet
Square yards	0.8361	Square meters
Square yards	3.228×10^{-7}	Square miles
Square yards	8.361×10^3	Sq. cms.
Square yards	1.296×10^3	Sq. inches
Square yards	8.361×10^5	Sq. millimeters
Steradians	7.958×10^{-2}	Spheres
Steradians	1.592×10^{-1}	Hemispheres

Steradians	6.366×10^{-1}	Spherical right angles
Steradians	3.283×10^3	Square degrees
Steres	9.99973×10^2	Liters
Temp (°C) + 17.78	1.8	Temp. (F)
Temp (°C) + 273	1	Abs. Temp. (°C)
Temp (°F) - 32	5/9	Temp. (°C)
Temp (°F) + 460	1	Abs. Temp. (°F)
Tons (long)	1016	Kilograms
Tons (long)	2240	Pounds
Tons (long)	1.12000	Tons (short)
Tons (metric)	10^3	Kilograms
Tons (metric)	2205	Pounds
Tons (short)	9.0718×10^2	Kilograms
Tons (short)	3.2×10^4	Ounces
Tons (short)	2.9166×10^4	Ounces (troy)
Tons (short)	2×10^3	Pounds
Tons (short)	2.43×10^3	Pounds (troy)
Tons (short)	8.9287×10^{-1}	Tons (long)
Tons (short)	9.078×10^{-1}	Tons (metric)
Tons (short)	3.2×10^4	Ounces
Tons (short)	2.9166×10^4	Ounces (troy)
Tons (short)	2.0×10^3	Pounds
Tons (short)	2.43×10^3	Pounds (troy)
Tons (short)	8.9287×10^{-1}	Tons (long)
Tons (short)	9.078×10^{-1}	Tons (metric)
Tons (short) / sq. ft.	1.389×10^1	Pounds/sq. in.
Tons (short) / sq. ft.	9.765×10^3	Kgs./sq. meter
Tons (short) / sq. in.	1.406×10^6	Kgs./sq. meter
Tons (short) / sq. in.	2.0×10^3	Pounds/sq. in.
Tons (short) sq. in.	2.0×10^3	Pounds/sq. inch
Tons of water/24 hrs.	8.333×10^1	Pounds of water/hr.
Tons of water/24 hrs.	1.6643×10^{-1}	Gallons/min.
Tons of water/24 hrs.	1.3349	Cu.ft. /hr.
Volt (absolute)	3.336×10^{-3}	Statvolts
Volt/inch	3.937×10^7	Abvolts/cm.
Volt/inch	3.937×10^{-1}	Volt/cm.
Volts	1.0×10^8	Abvolts
Watt (International)	1.000165	Watt (Absolute)
Watt-hours	3.413	B.T.U.
Watt-hours	3.6×10^{10}	Ergs
Watt-hours	2.656×10^3	Foot-lbs
Watt-hours	8.605×10^2	Gram-calories
Watt-hours	1.341×10^{-3}	Horsepower-hours
Watt-hours	8.605×10^{-1}	Kilogram-calories
Watt-hours	3.672×10^2	Kilogram-meters
Watt-hours	1.0×10^{-3}	Kilowatt-hours

Watts	3.4129	BTU/hr.
Watts	5.688×10^{-2}	BTU/min.
Watts	1.0×10^7	Ergs/sec.
Watts	4.427×10^1	Ft.-lbs./min.
Watts	7.378×10^{-1}	Ft.-lbs./sec.
Watts	1.341×10^{-3}	Horsepower
Watts	1.36×10^{-3}	Horsepower (metric)
Watts	1.433×10^{-2}	Kg.-calories/min.
Watts	1.0×10^{-3}	Kilowatts
Watts (abs.)	1	Joules/sec.
Webers	1.0×10^8	Maxwells
Webers	1.0×10^5	Kilolines
Webers/sq. in.	1.55×10^7	Gausses
Webers/sq. in.	1.0×10^8	Lines/sq. in.
Webers/sq. in.	1.55×10^{-1}	Webers/sq. cm.
Webers/sq. in.	1.55×10^3	Webers/sq. meter
Webers/sq. meter	1.0×10^4	Gausses
Webers/sq. meter	6.452×10^4	Lines/sq. in.
Webers/sq. meter	1.0×10^{-4}	Webers/sq. cm.
Webers/sq. meter	6.452×10^{-4}	Webers/sq. in.
Weeks	1.68×10^2	Hours
Weeks	1.008×10^4	Minutes
Weeks	6.048×10^5	Seconds
Yards	9.144×10^1	Centimeters
Yards	9.144×10^{-4}	Kilometers
Yards	9.144×10^{-1}	Meters
Yards	4.934×10^{-4}	Miles (nautical)
Yards	5.682×10^{-4}	Miles (statute)
Yards	9.144×10^2	Millimeters
Years	3.65256×10^2	Days (mean solar)
Years	8.7661×10^3	Hours (mean solar)