

Conversion Factors & Calculations

This chart offers a broad guide and approximate calculation factors. Accuracy may be limited.

Convert ...			➡ Multiply	←
Distance/Length	Microns (um)	Mill (mil)	0.04	25
	Centimetres (cm)	Inches (in)	0.3937	2.54
	Meter (m)	Feet (ft)	3.2808	0.304
	Meter (m)	Yards (Yds)	1.09361	0.9144
	Kilometre (km)	Nautical Miles	0.5396	1.853
	Kilometre (km)	Mile (mile)	0.621	1.609
Area	Square Metres (m2)	Square Feet (ft2)	10.764	0.0929
Volume	Litre (ltr)	US Gallon	0.264	3.785
	Litre (ltr)	Imperial Gallon	0.22	4.55
	Cubic Metres (m3)	Cubic Feet (ft3)	35.315	0.0283
Area/Volume	Square Metre (m2)/ Litre	Square Feet (ft2)/US Gallon	40.74	0.024
	Square Metre (m2)/ Litre	Square Feet (ft2)/Imperial Gallon	48.93	0.020
Weight	Kilogram (Kg)	Pounds (lb)	2.205	0.4536
Density	Grams /cubic Centimetre (cm3)	Pound (lb)/ Cubic Inch (in3)	0.036	27.68
	Kilogram (Kg)/Litre	Pound (lb)/US Gallon	8.344	0.11985
Pressure	Atmospheres (atm)	bar	1.013	0.987
	Atmospheres (atm)	Kilogram Force (Kgf)/Square Centimetre (cm2)	1.033	0.968
	Atmospheres (atm)	Pounds Per Square Inch (psi)	14.7	0.068
	bar	Kilogram Force (Kgf)/Square Centimetre (cm2)	1.02	0.98
	bar	Pounds /Square Inch (psi)	14.5	0.069
	Kilogram Force (Kgf)/Square Centimetre (cm2)	Pounds /Square Inch (psi)	14.22	0.07
	Kilogram Force (Kgf)/Square Centimetre (cm2)	Mega Pascals (Mpa)	0.098	10.2041
	Newtons/Square Millimetre (N/mm2)	Mega Pascals (Mpa)	1	1
Speed	Metres / second (m/s)	Feet / Second (ft/s)	3.281	0.305
	Kilometres / hour (km/h)	Miles / Hour (mile/h)	0.621	1.609
	Kilometres / hour (km/h)	Nautical Miles /Hour (knots)	0.54	1.852
Power	Newtons (N)	Pounds Force (lbf)	0.225	4.448
Effort	Kilo Watt (kW)	Horsepower (hp)	1.341	0.746
	Kilo Watt (kW)	Kilocalorie /Hour (kcal/h)	859.9	0.0012
Energy	Kilo Watt Hour (kWh)	British Thermal Unit (Btu)	3412	0.0003
	Kilo Watt Hour (kWh)	Kilocalorie (kcal)	859.9	0.0012
	Kilocalorie (kcal)	British Thermal Unit (Btu)	3.968	0.252
V.O.C	Grams / Litre	Pound/USGallon (lb/USG)	0.00834	119.904