

Metrics

ENGLISH METRIC CONVERSION

Description	Multiply	By	For Metric Equivalent
ACCELERATION	Foot/sec ²	0.304 8	metre/sec ² (m/s ²)
	Inch/sec ²	0.025 4	metre/sec ²
TORQUE	Pound-inch	0.112 98	newton-metres (N·m)
	Pound-foot	1.355 8	newton-metres
POWER	horsepower	0.746	kilowatts (kw)
PRESSURE or STRESS	inches of water	0.2491	kilopascals (kPa)
	pounds/sq. in.	6.895	kilopascals (kPa)
	pounds/sq. in.	0.069	bar
ENERGY or WORK	BTU	1 055.	joules (J)
	foot-pound	1.355 8	joules (J)
	kilowatt-hour	3 600 000. or 3.6 × 10 ⁶	joules (J = one W's)
LIGHT	foot candle	10.764	lumens/metre ² (lm/m ²)
FUEL PERFORMANCE	miles/gal	0.425 1	kilometres/litre (km/l)
	gal/mile	2.352 7	litres/kilometre (l/km)
VELOCITY	miles/hour	1.609 3	kilometres/hr. (km/h)
LENGTH	inch	25.4	millimetres (mm)
	foot	0.304 8	metres (m)
	yard	0.914 4	metres (m)
	mile	1.609	kilometres (km)
AREA	inch ²	645.2	millimetres ² (mm ²)
		6.45	centimetres ² (cm ²)
	foot ²	0.092 9	metres ² (m ²)
yard ²	0.836 1	metres ²	
VOLUME	inch ³	16 387.	mm ³
		16.387	cm ³
		0.016 4	litres (l)
	quart	0.946 4	litres
	gallon	3.785 4	litres
	yard ³	0.764 6	metres ³ (m ³)
MASS	pound	0.453 6	kilograms (kg)
	ton	907.18	kilogram (kg)
	ton	0.90718	tonne (t)
FORCE	kilogram	9.807	newtons (N)
	ounce	0.278 0	newtons
	pound	4.448	newtons
TEMPERATURE	degree fahrenheit	(°F - 32) 0.556	degree Celsius (°C)