

Conversion Charts

B = A × multiply unit

● Length

A \ B	mm	cm	m	in.
mm	1	0.1	0.001	0.0393701
cm	10	1	0.01	0.393701
m	1000	100	1	39.3701
in.	25.4	2.54	0.0254	1

● Weight

A \ B	g	kg	oz.	lb.
g	1	0.001	0.035274	0.00220462
kg	1000	1	35.274	2.20462
oz.	28.3495	0.0283495	1	0.0625
lb.	453.592	0.453592	16	1

● Inertia

A \ B	kg-cm ²	g-cm ²	oz-in ²	oz-in-sec ²	lb-in ²	lb-in-sec ²
kg-cm ²	1	10 ³	5.46745	0.0141612	0.341718	8.85076×10 ⁻⁴
g-cm ²	10 ⁻³	1	5.46745×10 ⁻³	1.41612×10 ⁻⁵	3.41718×10 ⁻⁴	8.85076×10 ⁻⁷
oz-in ²	0.182899	182.899	1	2.59009×10 ⁻³	0.0625	1.61880×10 ⁻⁴
oz-in-sec ²	70.6154	7.06154×10 ⁴	386.088	1	24.1305	0.0625
lb-in ²	2.92630	2.92630×10 ³	16	0.0414414	1	2.59007×10 ⁻³
lb-in-sec ²	1.12985×10 ³	1.12985×10 ⁶	6.17740×10 ³	16	386.0892	1

● Torque

A \ B	N-m	N-cm	dyn-cm	kg-cm	g-cm	oz-in	lb-in
N-m	1	100	10 ⁷	10.19716	1.019716×10 ⁴	141.6121	8.850759
N-cm	10 ⁻²	1	10 ⁵	0.1019716	101.9716	1.416121	0.08850759
dyn-cm	10 ⁻⁷	10 ⁻⁵	1	1.019717×10 ⁻⁶	1.019717×10 ⁻³	1.416121×10 ⁻⁵	8.850759×10 ⁻⁷
kg-cm	9.80665×10 ⁻²	9.80665	9.80665×10 ⁵	1	10 ³	13.887407	0.8679630
g-cm	9.80665×10 ⁻⁵	9.80665×10 ⁻³	980.665	10 ⁻³	1	0.013887407	8.679630×10 ⁻⁴
oz-in	7.061541×10 ⁻³	0.7061541	7.061541×10 ⁴	0.07200768	72.00768	1	0.0625
lb-in	0.1129846	11.29846	1.129846×10 ⁶	1.1521228	1.1521228×10 ³	16	1

● Air Flow

A \ B	ℓ/s	ℓ/m	m ³ /m	m ³ /h	CFM
ℓ/s	1	60	0.06	3.6	2.11888
ℓ/m	1.67×10 ⁻²	1	10 ⁻⁴	0.06	3.531467×10 ⁻²
m ³ /m	16.7	10 ³	1	60	35.31467
m ³ /h	0.278	16.7	1.67×10 ⁻²	1	0.58858
CFM	0.47195	28.31685	2.831685×10 ⁻²	1.69901	1

● Static Pressure

A \ B	Pa	mmH ₂ O	in.H ₂ O
Pa	1	0.10197	4.01463×10 ⁻³
mmH ₂ O	9.80665	1	3.93701×10 ⁻²
in.H ₂ O	249.08891	25.4	1

● Temperature

$$(^{\circ}\text{F} - 32) \times \frac{5}{9} = ^{\circ}\text{C}$$

$$[\text{Temperature difference: } ^{\circ}\text{F} \times \frac{5}{9} = ^{\circ}\text{C}]$$