

Metric Conversion Chart

SI UNIT	CONVERSION FACTOR	= ENGLISH UNIT	CONVERSION FACTOR	= SI UNIT	SI UNIT	CONVERSION FACTOR	= ENGLISH UNIT	CONVERSION FACTOR	= SI UNIT
Area					Temperature Interval				
cm ²			100	mm ²	°C	1.8	°F	0.5556	°C
cm ²	0.1550	in ²	645.2	mm ²	Velocity				
m ²	10.76	ft ²	0.09290	m ²	m/s	3.281	ft/s	0.3048	m/s
Length					m/s	196.9	ft/min	0.00508	m/s
mm	0.03937	in.	25.4	mm	Volume				
mm	0.003281	ft.	304.8	mm	mm ³		in. ³	1.0x10 ⁻⁶	L
m	3.281	ft.	0.3048	m	mm ³	6.102x10 ⁻⁵	in. ³	0.01639	L
m	1.094	yd.	0.9144	m	L	0.03531	ft ³	28.32	L
Mass					m ³	1.308	yd ³	0.7646	m ³
g	0.03527	oz.	28.35	g	L	0.2642	U.S. gal	3.785	L
kg	2.205	lb.	0.4536	kg	L	2.113	U.S. pint	0.4732	L
tonne, Mg	1.102	U.S. ton (2000 lb.)	0.9072	tonne, Mg	mL, cm ³	0.03381	U.S. oz	29.57	mL
Power					Volume / Time				
kcal/h			1.163	W	m ³ /h			0.2778	L/s
kcal/h	3.968	Btu/h	0.2931	W	m ³ /h	0.5886	ft ³ /min	0.4719	L/s
HP metric			0.7355	kW	m ³ /h	4.403	U.S. gal/min	0.06309	L/s
HP metric	0.9863	HP (550 $\frac{\text{ft} \cdot \text{lb}_m}{\text{s}}$)	0.7457	kW	L/h			2.778x10 ⁻⁴	L/s
Mcal/h			1.163	kW	L/h	4.403x10 ⁻³	U.S. gal/min	0.06309	L/s
Mcal/h	0.3307	Ton refr.	3.517	kW	(m ³ /h)/ (1000 kcal/h)	1.780	cfm/ton	0.1342	L/s - kW
Pressure									
mm w.g. 4°C			9.806	Pa					
mm w.g. 4°C	0.03937	in H ₂ O 39.2°F	249.1	Pa					
mm Hg 0°C			0.1333	kPa					
mm Hg 0°C	0.03937	in Hg 32°F	3.386	kPa	SI UNIT	CONVERSION FACTOR	= ENGLISH UNIT	CONVERSION FACTOR	= SI UNIT
kgf/cm ²			98.07	kPa	Temperature				
kgf/cm ²	14.22	psi	6.895	kPa	°C			°C + 273.15	°K
mH ₂ O	3.281	ft H ₂ O	2.989	kPa	°C	(°C x 1.8) + 32	°F	(°F - 32) ÷ 1.8	°C