



Shop Conversion Charts

The AERA Technical Committee offers the following information shop conversion charts for the convenience of technicians.

LENGTH		
multiply by		
mm	x 0.0394	in
in	x 25.400	mm
m	x 3.2808	ft
ft	x 0.3048	m
km	x 0.6214	mile
mile	x 1.6093	km

SURFACE AREA		
multiply by		
mm ²	x 0.0016	in ²
in ²	x 645.16	mm ²
m ²	x 10.7639	ft ²
ft ²	x 0.0929	m ²
ha	x 2.4711	acre
acre	x 0.4047	ha

TORQUE		
multiply by		
Nm	x 0.7375	lbf ft
lbf ft	x 1.356	Nm
daNm	x 7.3756	lbf ft
lbf ft	x 0.1356	daNm

VOLUME		
multiply by		
cm ³	x 0.06102	in ³
in ³	x 16.387	cm ³
m ³	x 35.315	ft ³
ft ³	x 0.0283	m ³

POWER		
multiply by		
hp	x 0.9863	bhp (UK)
bhp (UK)	x 1.0139	hp
kW	x 1.3410	bhp (UK)
bhp (UK)	x 0.7457	kW
kW	x 1.36	hp
hp	x 0.736	kW

PRESSURE		
multiply by		
bar	x 14.504	lbf/in ² (PSI)
lbf/in ² (PSI)	x 0.0690	bar



FLOW RATE		
multiply by		
l/min	x 0.264	gal/min (US)
l/min	x 0.22	gal/min(UK)
l/hr	x 0.264	gal/hr (US)
l/hr	x 0.22	gal/hr (UK)
l/ha	x 0.107	gal/acre (US)
l/ha	x 0.089	gal/acre (UK)
gal/min (US)	x 3.7850	l/min
gal/min(UK)	x 4.5640	l/min
gal/hr (US)	x 3.7850	l/hr
gal/hr (UK)	x 4.5640	l/hr
gal/acre (US)	x 9.354	l/ha
gal/acre (UK)	x 11.232	l/ha

CAPACITY		
multiply by		
ml	x 0.0352	fl oz (UK)
fl oz (UK)	x 28.4131	ml
ml	x 0.0338	fl oz (US)
fl oz (US)	x 29.5735	ml
l	x 0.2200	gal (UK)
gal (UK)	x 4.5640	l
l	x 0.2640	gal (US)
gal (US)	x 3.7850	l
gal (UK)	x 1.2010	gal (US)
gal (US)	x 0.8330	gal (UK)

WEIGHT		
multiply by		
g	x 0.03527	oz
oz	x 28.350	g
kg	x 2.2046	lb
lb	x 0.4536	kg
kg	x 0.00098	UK ton
UK ton	x 1016.1	kg
t	x 0.9842	UK ton
UK ton	x 1.016	t
t	x 1.1023	US ton
US ton	x 0.9072	t

SPEED		
multiply by		
kph	x 0.6214	mile/hr (mph)
mile/hr (mph)	x 1.6093	kph

TEMPERATURE		
°C	°C x 1.8 + 32	°F
°F	(°F - 32)/1.8	°C

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