

Standard Conversion Table

To Convert From:	To:	Multiply By:	Examples
Length			
Feet (ft)	meters (m)	0.30481	ft= 0.30481 m
Inches (in)	millimeters (mm)	25.4	in= 25.4 mm
Area			
Square feet (ft ²)	square meters (m ²)	0.093	ft ² = 0.093 m ²
Square inches (in ²)	square millimeters (mm ²)	645.2	in ² = 645.2 mm ²
Volume			
Cubic feet (ft ³)	cubic meters (m ³)	0.0283	ft ³ = 0.283 m ³
Cubic inches (in ³)	cubic mm (mm ³)	16387	in ³ = 16387 mm ³
Gallons (gal)	liters (L)	3.785	gal= 3.785 L
Gallons (gal)	cubic meters (m ³)	0.003785	gal= 0.003785 m ³
Flow			
Cubic feet/min (cfm)	cubic meters/second (m ³ /s)	0.000472	cfm= 0.000472m ³ /s
Cubic feet/min (cfm)	cubic meters/hr (m ³ /h)	1.69884	cfm= 1.69884 m ³ /h
Gallons/minute (gpm)	cubic meters/hr (m ³ /h)	0.2271	gpm= 0.2271 m ³ /h
Gallons/minute (gpm)	liters/second (L/s)	0.06308	gpm= 0.06308 L/s
Velocity			
Feet per minute (fpm)	meters per second (m/s)	0.00508	fpm= 0.00508 m/s
Feet per second (fps)	meters per second (m/s)	0.3048	fps= 0.3048 m/s
Energy, Power, and Capacity			
British thermal units per hour (Btu/h)	kilowatt (kW)	0.000293	Btu/h=0.000293 kW
British thermal units per hour (Btu)	kilocalorie (kcal)	0.252	Btu= 0.252 kCal
Tons (refrig. effect)	kilowatt (refrig. effect)	3.516	TR= 3.516 kW Ref.
Tons (refrig. effect)	kilocalories per hour (kcal/hr)	3024	TR= 3024 kCal/hr
Horsepower	kilowatt (kW)	0.7457	hp= 0.7457 kW
Pressure			
Feet of water (ft H ₂ O)	pascals (Pa)	2990	ft H ₂ O= 2990 Pa
Inches of water (in H ₂ O)	pascals (Pa)	249	in H ₂ O= 249 Pa
Pounds per square inch (PSI)	pascals (Pa)	6895	PSI= 6895 Pa
PSI	bar or kg/cm ²	6.895 x 10 ⁻²	PSI=6.895x10 ⁻² kg/cm ² PSI=6.895x10 ⁻² bar
Weight			
Ounces	kilograms (kg)	0.02835	Ounce= 0.02835 kg
Pounds (lb)	kilograms (kg)	0.4536	lb= 0.4536 kg
Fouling factors for heat exchangers			
0.00085 ft ² ·°F·hr/Btu	= 0.132 m ² ·°K/kW		0.00010 ft ² ·°F·hr/Btu
0.00025 ft ² ·°F·hr/Btu	= 0.044 m ² ·°K/kW		= 0.0176 m ² ·°K/kW

* PLEASE contact us to our e-mail: roundtheworldest@yahoo.com for any assistance