

Table 9 : Unit conversion

Length				
1 metre (m)	= 3.28 FT	= 39.7 inches	= 1000 mm	
1 foot (ft)	= 1'	= 12 inches	= 304.8 mm	
1 inch (In)	= 0.0833'	= 1"	= 25.4 mm	
Area				
1 m ²	= 10.76 ft ²	= 1550 inch ²		
1 cm ²		= 0.155 inch ²		
1 ft ²		= 144 inch ²	= 929 cm ²	= 9.29 dm ²
1 inch ²			= 6.45 cm ²	
Volume				
1 m ³	= 264.2 US gal		= 35.315 ft ³	= 1000 litres
1 US GAL		= 0.003785 m ³	= 0.134 ft ³	= 3.785 litres
1 litre	= 0.264 US gal		= 0.035 ft ³	
Velocity				
1 metre/sec	= 1 m/s	= 196.8 FPM	= 3.2808 ft/s	
1 FPM (ft/min)			= 0.0167 ft/s	
500 FPM	= 2.54 m/s		= 8.3333 ft/s	
1 FPS (ft/s)	= 0.3048 m/s	= 60 FPM		
Pressure				
1 bar	= 100 kPa	= 10200 mm WG	= 14.504 PSI	= 33.45 ft WG
1 kPa		= 102 mm WG	= 0.145 PSI	= 0.33 ft WG
1 PSI	= 6.9 kPa	= 703 mm WG		= 2.31 ft WG
1 ft WG	= 3 kPa	= 305 mm WG	= 0.433 PSI	
1 m WG	= 9.8 kPa	= 1000 mm WG	= 1.42 PSI	= 3.28 ft WG
Flow (CV = 1.16 Kv) et (Kv = 0.86 Cv)				
1 m ³ /h	= 1000 l/h	= 0.278 l/s	= 4.4 GPM	= 0.588 CFM
1 GPM (US)	= 227 l/h	= 0.063 l/s		= 0.134 CFM
1 CFM	= 1700 l/h	= 0.472 l/s	= 7.48 GPM	
1 l/s	= 3600 l/h		= 15.86 GPM	= 2.117 CFM
Power				
1 Watt (W)	= 3.4 BTUH		= 1 J/s	
1 kW	= 3412.1 BTUH	= 1.341 HP	= 1000 W	= 860 kcal/h
1 BTUH			= 0.29307 W	
1 MBTUH	= 1000 BTUH	= 0.393 HP	= 293.07 W	= 252 kcal/h
1 HP	= 2544 BTUH		= 745.7 W	= 641 kcal/h
1 kcal/h	= 3.97 BTUH		= 1.16 W	
1 ton (chiler)	= 12000 BTUH		= 3517 W	= 3025 kcal/h

Temperature $F = 9/5C + 32$; $C = 5/9(F-32)$