

managingenergy.com unit conversion chart

Natural Gas			#2 Light Fuel Oil		#6 Bunker C Fuel Oil		Propane	Coal		ekWh	GJ	Btu
m ³	Mcf	Ccf	Imp.Gal	litre	Imp.Gal	litre	litre	lb.	kg			
1.000	0.03531	0.3531	0.2097	0.9530	0.2019	0.9176	1.397	2.348	1.066	10.32	0.03715	35,220
28.32	1.000	10.00	5.937	26.985	5.7169	25.98	39.550	66.492	30.18	292.2	1.052	997,400
2.832	0.1000	1.000	0.5937	2.699	0.5717	2.598	3.955	6.649	3.018	29.22	0.1052	99,740
4.770	0.1684	1.684	1.000	4.545	0.9630	4.377	6.662	11.200	5.084	49.22	0.1772	168,000
1.049	0.0371	0.3706	0.2200	1.000	0.2119	0.9629	1.466	2.464	1.118	10.83	0.03899	36,960
4.953	0.1749	1.749	1.038	4.720	1.000	4.545	6.918	11.631	5.280	51.12	0.1840	174,500
1.090	0.03849	0.3849	0.2285	1.039	0.2200	1.000	1.522	2.559	1.162	11.25	0.04049	38,385
0.7160	0.02528	0.2528	0.1501	0.6823	0.1445	0.6570	1.000	1.681	0.7631	7.389	0.02660	25,220
0.4259	0.01504	0.1504	0.08929	0.4058	0.08598	0.3908	0.595	1.000	0.4539	4.395	0.01582	15,000
0.9382	0.03313	0.3313	0.1967	0.8941	0.1894	0.8609	1.311	2.203	1.000	9.682	0.03488	33,070
0.09690	0.003422	0.03422	0.0203	0.09234	0.01956	0.08891	0.135	0.2275	0.1033	1.000	0.003600	3,413
26.92	0.9505	9.505	5.643	25.65	5.434	24.70	37.59	63.20	28.69	277.8	1.000	948,100
0.00002839	0.00000100	0.00001003	0.000005952	0.00002706	0.000005732	0.00002605	0.00003965	0.00006667	0.00003026	0.0002930	0.000001055	1.000

Other Common Conversions

1 ft. = 0.3048 m
 1 m = 3.281 ft.
 1 Therm = 100,000 Btu
 1 m³ = 1000 litres = 264.172 usg
 1 usg water weighs 8.33 lb.
 1 bhp (boiler horsepower) = 33,480 Btu/h
 1 imp.gal = 1.2009 usg
 1 psi = 6.895 kPa
 1 psi = 27.6807 in.wg
 1 psi = 2.3067 ft.wc.

1 lb steam contains approx. 1000 Btu heating value
 1 usgpm = 0.0631 litres/second
 1 fpm = 0.00508 m/s
 1 usg = 3.7854 litres
 1 ton refrigeration = 12,000 Btu/h
 1 footcandle = 10.76 lux
 1 cfm = 0.4719 litres/second
 usgpm (water flow) = btuh/(500 x dT°F)
 cfm (air flow) = btuh/(1.08 x dT°F)