

Technical Specification Bulletin Number 096

Fuel Type	Date of Issue	Edition	Book	3
All Fuels	April 2002	1A	Filing Section	13



Conversion factors

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Propane and Butane Gas

Liquid Propane Gas

0.242	Therms Per Litre Liquid	Propane
4.13	Litres Liquid Per Therm	Propane
1.95	Litres Liquid Per Kilogram	Propane
0.512	Kilograms Per Litre Liquid	Propane
0.104	Litres Liquid Per Cubic Foot Gas	Propane
9.66	Cubic Foot Gas Per Liquid Litre	Propane
7.08	Kwh's Per Liquid Litre	Propane
0.141	Litres Liquid Per Kwh	Propane
24170	BTU's Per Litre Liquid	Propane
1957	Litres Per Metric Tonne	Propane
3.65	Litres Liquid Per Cubic Meter	Propane

Butane Gas

0.267	Therms Per Litre Liquid	Butane
3.74	Litres Liquid Per Therm	Butane
1.74	Litres Liquid Per Kilogram	Butane
0.575	Kilograms Per Litre Liquid	Butane
0.120	Litres Liquid Per Cubic Foot Gas	Butane
8.35	Cubic Foot Gas Per Liquid Litre	Butane
7.83	Kwh's Per Liquid Litre	Butane
0.127	Litres Liquid Per Kwh	Butane
26730	BTU's Per Litre Liquid	Butane
1743	Litres Per Metric Tonne	Butane

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Conversion factors

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Oil 28sec.and 35 sec.

- 1 Litre 28 Second viscosity heating oil (kerosene) = 10.35 KW or 35314.2 BTU's
- 1 Litre 35 Second viscosity heating oil, (gas oil) = 10.85 KW or 37020.2 BTU's

Solid fuel

- 1 kg Peat Briquettes = 5.363KW or 18298.5 BTU's
- 1 kg Anthracite Nuts = 9.661 KW or 32963.3 BTU's
- 1 kg Anthracite Grains = 9.044 KW or 30858.1 BTU's
- 1 kg Phurnacite = 9.083 KW or 30991.8 BTU's

Other conversion factors

1 kW = 3412 BTU's

4.54 litres = 1 Gallon

0.22 Gallons = 1litre

100000 BTU's = 1 Therm

Pressure

inches =inches water gauge

mm =Millimeters water gauge

PA = Pascal

INCHES	MM	PA
0.01	0.25	2.49
0.02	0.51	4.98
0.03	0.76	7.48
0.04	1.02	9.97
0.05	1.27	12.46
0.06	1.52	14.95
0.07	1.78	17.44
0.08	2.03	19.93
0.09	2.29	22.43
0.10	2.54	24.92
0.11	2.79	27.41
0.12	3.05	29.90
0.13	3.30	32.39
0.14	3.58	34.88
0.15	3.81	37.38
0.16	4.06	39.87
0.17	4.32	42.36
0.18	4.57	44.85
0.19	4.83	47.34
0.20	5.08	49.83

E/D/T/Misc/Table01.

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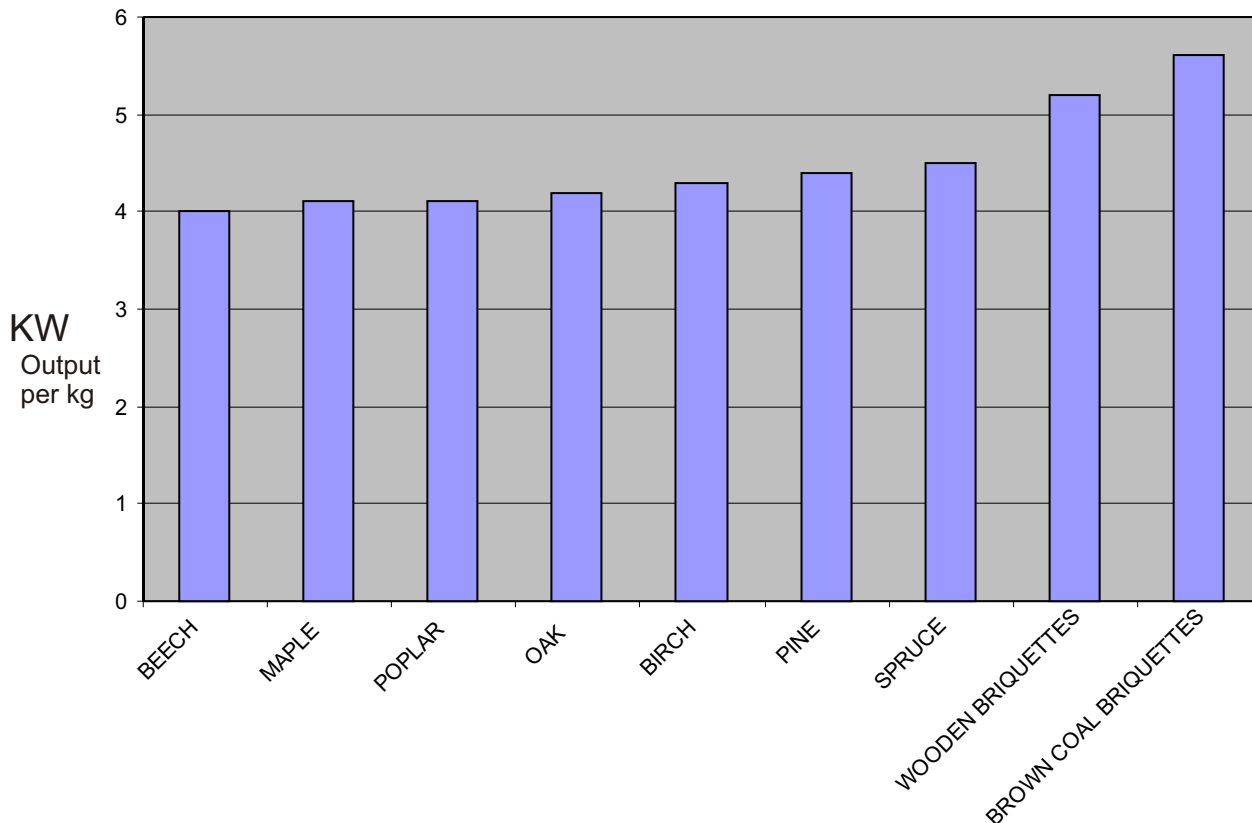


Conversion factors

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Wood

Heating Values in kW /H/kg
WITH A MOISTURE CONTENT OF NO MORE THAN 20%



Natural gas (this can vary due to location and atmospheric pressure)

1 cubic foot =0.0283 cubic meters

11 kW per cubic meter of gas

0.31 kW per cubic foot of gas

For more information on conversion factors go to
www.ex.ac.uk/cimt/dictunit/dictunit.htm