

The following table gives approximate figures on the fuel requirements of the various boiler sizes per year, and the subsequent carbon output for the whole lifecycle of the wood pellet fuel. It also shows the equivalent gas or oil fuel requirements, alongside the carbon that would be released from those sources:

Boiler Rating (kW)	Wood Pellets/year (Kg)	Wood Pellet Carbon/Year (Kg)	Equivalent Oil/Year (L)	Oil Carbon/Year (Kg)	Equivalent Gas/Year (m3)	Gas Carbon/Year (Kg)	Yearly Kg Carbon Saving (Oil)	Yearly Kg Carbon Saving (Gas)
8	3200	138.24	1600	4531.20	1600	3256.32	4392.96	3118.08
10	4000	172.80	2000	5664.00	2000	4070.40	5491.20	3897.60
12	4800	207.36	2400	6796.80	2400	4884.48	6589.44	4677.12
15	6000	259.20	3000	8496.00	3000	6105.60	8236.80	5846.40
20	8000	345.60	4000	11328.00	4000	8140.80	10982.40	7795.20
25	10000	432.00	5000	14160.00	5000	10176.00	13728.00	9744.00
32	12800	552.96	6400	18124.80	6400	13025.28	17571.84	12472.32
48	19200	829.44	9600	27187.20	9600	19537.92	26357.76	18708.48
56	22400	967.68	11200	31718.40	11200	22794.24	30750.72	21826.56
96	38400	1658.88	19200	54374.40	19200	39075.84	52715.52	37416.96
112	44800	1935.36	22400	63436.80	22400	45588.48	61501.44	43653.12
224	89600	3870.72	44800	126873.60	44800	91176.96	123002.88	87306.24