



What size Boiler do I need?

Points for consideration:

All too often a 'like for like' (kW / BTU output) boiler is selected when replacing a 20/30-year-old boiler, little consideration given to improvements made to the property structure, double glazing and insulation etc.

When calculating boiler size requirement, historically a 3kW allowance was made for DHW gravity fed systems, that's no longer necessary with modern fast recovery hot water cylinders and modern heating controls.

Boiler technology and efficiency have moved on, a "like for like" replacement will cause "short cycling" as heat produced by the boiler is unable to dissipate efficiently, a smaller boiler would operate at a higher efficiency.

Boiler sizing is not an exact science, as a rule of thumb a properly sized boiler would be firing for 20 minutes in the hour, if undersized the boiler would simply be firing for a longer period.

Boiler sizing, a guide, a 12/19kW boiler for a three bed detached property, 20/25kW boiler for a detached five bed home with two bathrooms, 26/30kW for the larger property / small hotel.

Examples:

Ringshall Grange 26/30kW boiler <https://hounsfieldboilers.co.uk/news/hounsfield-boilers-heats-ringshall-grange/>

Bronllys Hall Hotel 20/25kW boiler <https://hounsfieldboilers.co.uk/news/hounsfield-boilers-helps-heat-sustainable-hotel/>

Doc. Ref. LI2014

