

25kW Electric
80kW Thermal

BG25 TCS Biomass to Power System Harnessing the Power of Nature



Carbon Neutral & Excellent Investment Returns

Installing a BG25 is quick and easy and will very rapidly give savings to both your electricity and fossil fuel heating costs. By connecting to the grid via an import / export meter any surplus electricity you don't use will be exported to the grid giving you additional income.

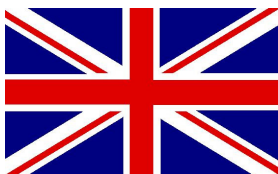
Further income is yours by claiming 'green power' carbon saving support subsidies on all the power produced whether that power is used internally or exported.

Save up to 212 tonnes of CO₂ per annum.

Power Outputs	25kWe to local specification e.g. 3 phase 415v 50Hz. 80kWt as hot water 60°C in 80°C out at 72l/min
Operation	Fully automatic computer controlled for 24/7 operation. Remote monitoring as standard.
Fuel	Multiple options e.g. wood chips or pellets
Fuel Size	To EU G50 standard
Fuel Bunker	25 m ³ with auto-feed
Combustor	Moving stepped grate. Refractory firebrick construction.
Heat Exchanger	Heavy duty high temperature stainless steel
Engine	Talbot's TCS Turbo Compound System with compressor and dual power turbine.
Generators	2 x 18.5 kVA induction motor.
Power Inverter	Software controlled to comply with local standards e.g. G59 415v 3 phase 50Hz
Control Panel	Touch screen with PLC control. Connectable to web for remote monitoring and control.
Size	2.25 x 3.75 x 3.85m high excluding bunker

Talbot's BG25 TCS is the first of its kind in the world, creating renewable energy from Combined Heat & Power.

The unit will produce 25kW Electric & 80kW Heat from your wood residue, helping to make your premises carbon neutral, whilst ensuring a fast payback.



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Talbot's BG25 TCS is the first of a series of units planned for the future that will revolutionise the way energy is produced within the wood industry.

The uniqueness is due to the simplicity of the system which uses the hot air from combustion to drive a turbocharger and power turbine combination.



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