



GenStation Pro Commercial Bio-fuel CHPs

All our Commercial CHP systems come with the following features as standard:-

- State of the art continuous duty Cummins Industrial Engines.
- State of the art high efficiency Leroy Somer alternators, providing high quality electricity and load response.
- Fully automated, with sophisticated remote monitoring, Deep Sea Electronics grid-synchronising Controllers.
- High efficiency, extremely durable and serviceable Bowman exhaust gas heat exchangers.
- Galvanized, powder-coated, noise-attenuating, fire-proof, dust-proof, tamper-proof, weather-proof enclosures with removable lockable doors (with stainless steel hinges) and internal lighting.
- Modified, configured and tuned to run on Biodiesel.



The services we offer include-

- Project feasibility study including grant/funding search and planning regulation assessment.
- Installation, maintenance and refueling.
- Renewable Obligation Certificate application and administration



Electricity Output	20kW to 250kW
Heat Output	2.25 times the electrical output (80°C hot water)
Electrical Efficiency	35% (approximately, depending on model)
Thermal Efficiency	55% (approximately, depending on model)
Overall Efficiency	90% (approximately, depending on model)
Dimensions (mm)	2250x1100x1650 to 3600x1400x2000 (LxWxH)
Weight (KGS)	1200 to 4200
Fuel consumption	286g/kWe/hr (approx, depending on fuel calorific value) on full load
Cooling System	Water cooled, with dump radiator and fan
Engine type	Cummins 4B3.9-G2 to MTAA11-G3
Design Life	40,000 hours before major service
Service interval	1000 hours
Lube oil capacity	10 to 40 litres
Weather protection	IP23
Noise (at 7m)	70 to 75db
Alternator	Leroy-Somer models LSA42.2 M7 to LSA46.2 VL12
Directive Conformance	Low Voltage Directive 2006/95/EC EMC Directive 2004/108/EC Machinery Directive 2006/42/EC CE certified



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