



Cantium

280 kWe Multi-Fuel CHP Plant

Biofuel / BioGas / Natural Gas



Similar Model Illustrated

Technical Specification

Engine Make & Model	Perkins 2306A-E14	Grid Synchronisation	Automatic
Cylinders / Capacity	6 / 14.6 litres	Fuel Used	Plant Oil / UCO
Operating RPM	1500	Fuel System	Twin tank automatic
Dimensions (l/w/h)	3600/1110/2070 mm	Tank Capacity (Bio/D2)	12000 litres / 790 litres
Weight (genset only)	3366 kg	Biofuel Consumption @ (% Load)	72.0 ltr/hr (100%) 56.3 ltr/hr (75%) 37.8 ltr/hr (50%)
Governing	GAC Electronic	Fuel Heater / Filter	Cantium type 8A100
Controls System	ComAp IG-NT	Lube Oil	Renewable 5w-40
G59/2 Relay	ComAp MainsPro		
Communications	Mobile Internet		

Energy Production

Alternator	Leroy Somer LL6114B	Output (@0.8 PF)	280 kW electrical
Alternator Suppression	EN61000-6 standard	Thermal Output	325 kW (90°C Water)
Exhaust Heat Exchanger	Cantium type 212 x 2	Net Efficiency	82%
Buffer Tank	4000 litres	Emissions Control	EGR and AWI * as standard; Eminox SCRT® optional
Jacket Heat Exchanger	Bowman GH400	Min Standard	EU Stage IIIA
Lube Oil Exchanger	Laminova ECD54-329		

* EGR - Exhaust Gas Recirculation; AWI – Atomised Water Injection

Service and Maintenance

Design Life (engine)	10 years	Service Interval	500 hours
Warranty Period	12 months / 5000 hours	Engine Overhaul	15000 hours

Options

External Acoustic Container

Construction	Welded steel	Dry Weight	~ 8200 kg
Dimensions (l/w/h)	6060/2440/3500 mm *	Noise Suppression	56 dba @4 meters

BioFuel/Gas Conversion

Method	Gas Fumigation	Allowable Fuels	Natural Gas / Bio-Methane
Controls	ComAp IntelliDrive BF and DENOX20	Gas Percentage	Variable 0% - 75% of total fuel used



Contact:

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