

PowerPod® G1000 Cummins Engine spec-sheet

The GTA38 Gas Series offers continuous rated models in two frequencies for gas applications. Capable of running on pipeline natural gas, this series also presents the option to run on propane.

POWER

- **Excellent Power Density** – 500kW (50Hz) & 580kW (60Hz) from a 25L engine
- **High Electrical Efficiency** – Up to 41.6% (50Hz) and 40.6% (60Hz) on pipeline natural gas down to 68 MN (50Hz) and 71 MN (60Hz), meeting ISO standards

FUEL FLEXIBILITY

- **Fuel** – Pipeline natural gas down to 60 MN, biogas fuels down to 18MJ/Nm³ (450BTU/scf) at full power, as low as 14MJ/Nm³ (360BTU/scf) with 70% derate; contaminant capability on aggressive fuels

ENVIRONMENTAL CAPABILITY

- **Ambient Temperatures** – Achieves 500kW (50Hz) in ambient temperatures of 41°C, up to 52°C with derate; 580kW (60Hz) full power available up to 34°C, up to 49°C with derate
- **Altitude Capability** – 50Hz models achieve full power up to 1500 meters, maximum 2000 meters with minor derate. 60Hz models achieve full power up to 1300 meters, to a maximum of 2000 meters with minor derate

EMISSIONS

- **Low NOx Emissions** – As low as 250 mg/Nm³ (0.5g/hp-hr) without after treatment, compliant with EU Medium Combustion Plant Directive (MCP) and US EPA NSPS Stationary compliant capable.
- **Grid Code Compliance** - Available with grid code compliance options for G99, VDE 4110 and ENTSO-e

	Genset Model	C500N5C	C580N6C
	Hz	50	60
<i>Pipeline Natural Gas</i>	ISO Electrical Efficiency %	41.6	40.6
	ISO Thermal Efficiency %	50.4	51.2
	ISO Fuel Consumption kW	1203	1429
	Usable Heat kW	606	731
	Minimum Methane #	75	72
<i>Low BTU</i>	ISO Electrical Efficiency %	39.5	38.60
	Energy Content	14 - 28.8 MJ/Nm ³	400 - 830 BTU/scf
	Dimensions (m) (L X W X H)	4.9 x 1.8 x 2.2	4.9 x 1.8 x 2.2
	Temperature Rise (Deg. C)	80 - 105	80 - 105
	NOx emissions (mg/Nm ³)	250 - 500	0.5 - 1.0

* source ; Cummins International