

Fuel and Emissions Product Specification



Product Name	PowerGen
Model (Top Level Assy #)	QRP 2A-HNS
Power Rating	5,650 Watts
Release Date (Revision)	November 2017 (Rev 3)



The EPA enforces limitations on exhaust emissions for off-highway stationary generator sets. These regulations have become more stringent over the years and have substantially lowered the permissible levels of nitrogen oxide (NOx) and carbon monoxide (CO). Qnergy, in its commitment to being a leading supplier in the small-scale remote power generation industry, ensures that our Stirling based generators meet the most stringent EPA limits on emissions.

Fuel Category	Specification	Value (English Units)
Fuel Consumption	Natural Gas (min / max)	1,433 / 3,964 ft ³ /day
Fuel Consumption	Propane (min / max)	15.2 / 44.4 gal/day
Fuel Content	Gross Wobbe Index (min)	832 BTU/ft ³
Fuel Content	Gross Wobbe Index (max)	3,382 BTU/ft ³
Fuel Pressure Range	Natural Gas	3-50 PSI
Fuel Pressure Range	Propane	2-10 PSI

Emissions	Value (English Units)	Value (SI Units)
NOx @ 5% O ₂	30.0 ppm	66.0 mg/kWh
CO @ 5% O ₂	9.0 ppm	12.0 mg/kWh
VOC	Content	Negligible, Lean Combustion*

*Due to the external combustion process, levels of non-combusted fuels in the exhaust are below the detectable limit