

# 100KW (DRAFT) SPECIFICATIONS

**ENGINUITY**  
POWER SYSTEMS

Electric Power Output	Peak	110kW
	Continuous	100kW
	Standby	100kW
	Voltage / Frequency	480VAC / 60Hz
	Output Wiring	3 phase / 4 wire
System Efficiency	Electric Generation Efficiency	30.8%
	Heat Recovery Efficiency	54.2%
	Overall Efficiency	85.0%
Engine	Manufacturer	Hyundai
	No. of Cylinder	6
	Aspiration	Natural Aspiration
Fuel	Fuel Types	Natural Gas, Propane*
	Fuel Pressure - Minimum	5 kPa (20 inch w.c.)
	Fuel Pressure - Maximum	40 kPa (161 inch w.c.)
	Fuel Consumption (flow)	28.5 m <sup>3</sup> /hr (16.8 ft <sup>3</sup> /min)
	Fuel Consumption Rate**	972,700 BTU/hr
	Fuel Connection Port Size	NPT 1-1/2" (40A)
Sound Level	Measured at 9.84ft (3m)	85 dBA
Dimension	Length	2,980 mm (117 in)
	Width	1,630 mm (64 in)
	Height	2,256 mm (89 in)
	Height (with cooling fans)	2,486 mm (98 in)
	Weight (with fluids)	3,100 kg (6,834 lb.)
Thermal Output	Peak	194 kW (662,000 BTU/hr)
	Continuous	183 kW (624,000 BTU/hr)
	Standby	183 kW (624,000 BTU/hr)
Water	Temp difference supply / return (ΔT)	20 °C (36 °F)
	Output Water Temp - Max	95 °C (203 °F)
	Water Flow - Cont. rated	139 LPM (36.7 GPM)
	Water Connection Port Size	2" (50A)

**Notes:**

\*all performance specs are based on natural gas, for detailed performance on propane contact EPS

\*\*based on LHV of 34,129 BTU / m<sup>3</sup>

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