

ENI 85 Outdoor & Modified For Indoor

Continuous Duty Synchronous Generator (Propane)



Production Specifications

Model Number: ENI-0085A-RPSOS

Net Electrical Output	kW	85
Net Electrical Efficiency	%	31.4
Pkg Efficiency w/ Thermal Heat recovery	%	85.5
Heat Rate (Rated)	Btu/kWh (kJ/kWh)	10,866 (11,464)
Engine/Generator Type		Continuous Duty Synchronous
Shaft BHP @ ISO	hp (kW)	122 (91)
Operating Speed	rpm	1800
Output Voltage	Vac	277/480 3 Phase
Emissions NOx	g/bhp-hr	0.15
Standard Emissions Pkg CO	g/bhp-hr	0.60
NMHC	g/bhp-hr	0.15
Sound Level	dB(A)	68 @ 7 meters (std)
Sound Level w/low sound option	dB(A)	60 @ 7 meters
Operating Capability	Blackstart capable in either isolated or grid parallel	
Power Quality THD		Meets IEEE 519
Load Unbalance	%	10% (max)
Overload	%	10% overload allowed 30x/yr w/ 30 min (max) ea
Voltage Regulation Adjust	%	+/-0.5
DC Current Injection	%	<0.5
Fuel Supply Types		HD-5 Propane GPA Quality
Fuel(LHV)	MMBtu/hr (GJ/hr)	0.923 (0.974)
	cu ft/hr (cu m/hr)	394 (11.1)
Supply Pressure	psig (bar)	0.25 - .95 (0.017 - 0.066)
Fuel Standard (LHV / HHV)	Btu/cu ft (kJcu m)	2,340 (87,233) / 2,550 (95,061)
Flow At Rated Output (Vapor)	cfm (cfh)	6.57 (394)
Flow At Rated Output (Liquid)	gal/hr	10.82
Enclosure Length	in (mm)	120 (3,048)
Width	in (mm)	48 (1,220)
Height	in (mm)	89 (2,248) (Outdoor)
Height	in (mm)	68 (1,727) (Indoor)
		Completely weatherproof (outdoor)
		All units fully lockable
Heat Recovery (CHP)		
Water Flow	gpm (L/m)	65 (246)
Water Temp. (out)	deg F (deg C)	188 (87)
Water Temp. (in)	deg F (deg C)	172 (78)
Total Heat Recovery	MMBtu/hr (kW/hr)	0.499 (146)
Warranty	18 months from delivery or 1 year from initial start up whichever comes first. Extended warranty option available.	
Standards	UL Expected, CE Expected	

Notes: These specifications represent the design data as of the publication date listed in the lower right hand corner and may be changed without notice. Please contact I Power Energy Systems LLC for the most current specifications.

1. All data based on ISO standard conditions of 29.54 in Hg barometric pressure, 77 deg F ambient and induction air temperatures, 30% rel. humidity.
2. Dimensions and weights do not include optional equipment.
3. The values in this specification subject to a tolerance of +/- 5%
4. Efficiency and performance values represent the base unit operating at 100% heat and electrical power. Data is taken at the connection points of the unit.
5. CHP performance with water

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