

ENI 85 Outdoor & Modified For Indoor

Continuous Duty Synchronous Generator



Production Specifications

Model Number: ENI-0085A-RNSOS

| | | | |
|---|---------------------------|--------------------|---|
| Net Electrical Output | | kW | 85 |
| Net Electrical Efficiency | | % | 31 |
| Pkg Efficiency w/ Thermal Heat recovery | | % | 86.4 |
| Heat Rate (Rated) | | Btu/kWh (kJ/kWh) | 11,006 (11,612) |
| 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 | | Natural Gas |
| | Fuel(LHV) | MMBtu/hr (GJ/hr) | 0.936 (0.988) |
| | | cu ft/hr (cu m/hr) | 1,028 (29.1) |
| | Supply Pressure | psig (bar) | 0.25 - .95 (0.017 - 0.066) |
| | Fuel Standard (LHV) | Btu/cu ft (kJcu m) | 910 (33,906) |
| 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) | 186 (86) |
| Water Temp. (in) | | deg F (deg C) | 170 (77) |
| Total Heat Recovery | | MMBtu/hr (kW) | 0.518 (152) |
| Warranty | | | 18 months from delivery or 1 year from initial start up whichever comes first. Extended warranty option available. |
| Standards | | | UL 2200, CSA C22.2 |

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.

- 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.
- Dimensions and weights do not include optional equipment.
- The values in this specification subject to a tolerance of +/- 5%
- 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.
- CHP performance with water

Issue Date: 9-5-2007