

ENI 60 Outdoor & Modified For Indoor

Stoichiometric Continuous Duty Induction Generator



Production Specifications

Model Number: ENI-0060A-INSOI

Net Electrical Output	kW	60
Net Electrical Efficiency	%	29
Pkg Efficiency w/ Thermal Heat recovery	%	85.5
Heat Rate (Rated, LHV)	Btu/kWh (kJ/kWh)	11,765 (12,442)
Engine/Generator Type		Continuous Duty Induction
Shaft BHP @ ISO	hp (kW)	86 (64)
Operating Speed	rpm	1830
Output Voltage	Vac	277/480 3 Phase
Emissions		
NOx	g/bhp-hr	0.15
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		Grid parallel operation only
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)	0.705 (0.744)
	cu ft/hr (cu m/hr)	784 (22.2)
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)		
Jacket Water Flow	gpm (L/m)	65 (246)
Jacket Water Temp. (out)	deg F (deg C)	183 (84)
Jacket Water Temp. (in)	deg F (deg C)	170 (77)
Heat Gain From Water Jacket	MMBtu/hr (kW/hr)	
Heat Gained From Exhaust Gas	MMBtu/hr (kW/hr)	
Total Heat Recovery	MMBtu/hr (kW/hr)	0.385 (113)
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.

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