

ENI 155 Stoichiometric

Continuous Duty Generation



Model Number:
ENI-0155 A-PNSOS
ENI-0155 A-JNSOS

Production Specifications

Net Electrical Output @ 0.8 power factor	kW	with CHP	156	150	Power Only
Net Electrical Efficiency ¹	%	(JW only)	28%	27%	
Pkg Efficiency w/ Thermal Recovery	%		64%		
Heat Rate (Net, LHV)	Btu/kWh (kJ/kWh)		12,300 (12,977)	12,800 (13,505)	
Engine/Generator Type			Continuous Duty Synchronous		
BHP (shaft) @ ISO	hp (kW)		239 (178)		
RPM	rpm		1800		
Output voltage			480/277 Volts, 3 Phase, 60 Hz		
Emissions @ ISO	NO _x	g/bhp-hr	0.15		
	CO	g/bhp-hr	0.60		
	NMHC	g/bhp-hr	0.15		
	THC	g/bhp-hr	0.38		
Noise Level	dBA		68 dBA @ 7 meters		
Operating Capability			Blackstart capable in either isolated or grid parallel operation		
Power Quality	THD		Meets IEEE 519		
	Load Unbalance	%	5% max		
	Voltage Regulation Adjustment	%	(+/- 0.5)		
	DC Current Injection	%	n/a		
Fuel Supply ²	Types		Natural Gas		
	Fuel (LHV/HHV)	MMBtu/hr (GJ/hr) ft ³ /hr (m ³ /hr)	1.919 (2.025) / 2.109 (2.225) 2,109 (60)		
	Minimum Supply Pressure	psig (bar)	0.50 (0.03) - 15.00 (1.03)		
	Fuel Standard (LHV/HHV)	Btu/ft ³ (kJ/m ³)	910 (33,906) / 1,000 (37,259)		
Enclosure	Height	in (mm)	126 (3,200)		
	Length	in (mm)	204 (5,182)		
	Width	in (mm)	76 (1,930)		
	Weight	lbs (kg)	15,000 (6,804)		
			Completely weatherproof for outdoor installation		
Warranty			18 months from delivery or 1 year from initial start up whichever occurs first. Option to purchase extended warranty.		

Notes: These specifications represent the design data as of the publication date listed in the lower righthand corner and may change without notice. Please contact your sales representative for the most current specifications.

- All data based on ISO standard conditions of 29.54"Hg barometric pressure, 77F ambient & induction air temperature, 30% relative humidity.
- Fuel Standard: dry natural gas, 910 Btu/ft3 lower heating value (LHV).

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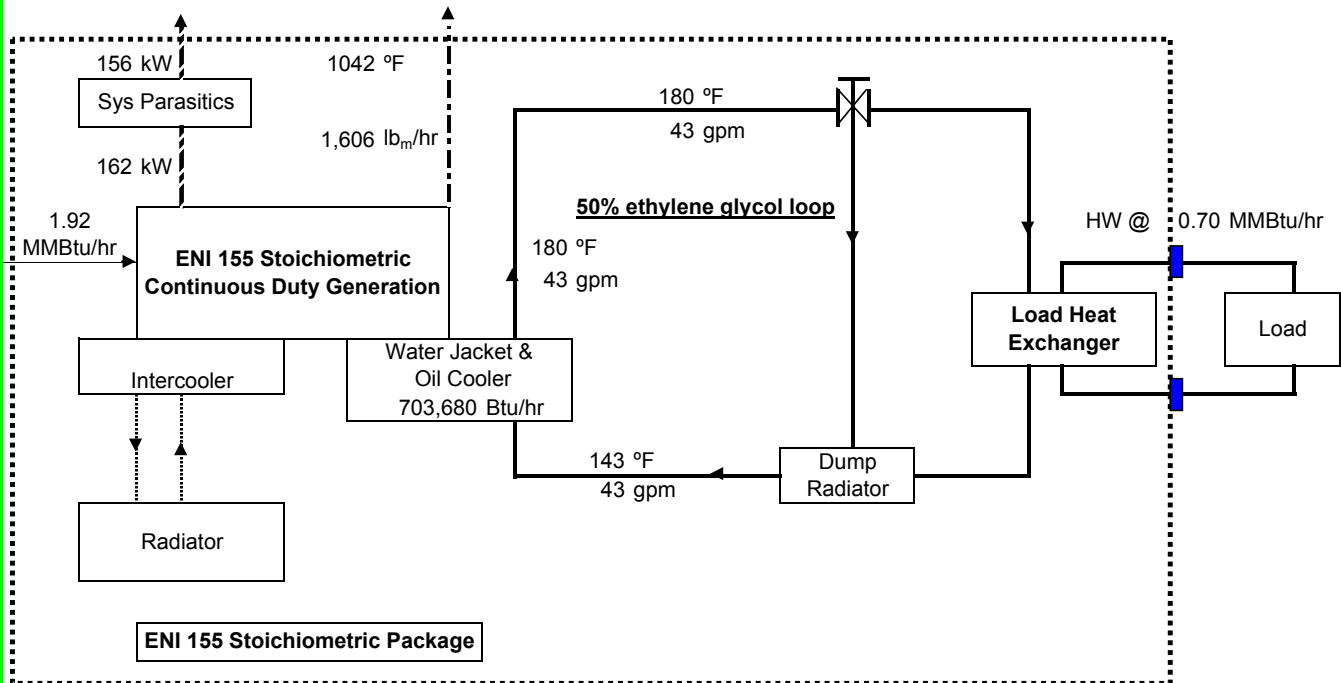


CHP - Production Specifications

Model Number: ENI-0155 A-JNLOS

Exhaust Flow	lb/hr (kg/hr)	1,606 (728)
Exhaust Temperature	°F (°C)	1,042 (561)
Jacket Water Flow	gpm (L/min)	43 (163)
Jacket Water Temperature (Out)	°F (°C)	180 (82)
Jacket Water Temperature (In)	°F (°C)	147 (64)
Oil Cooler Water Flow	gpm (L/min)	43 (163)
Oil Cooler Inlet Temperature	°F (°C)	143 (62)
Auxiliary Circuit Heat Rejection	MMBtu/hr (kWth)	0.087 (26)
Heat Gain from Water Jacket	MMBtu/hr (kWth)	0.616 (180)
Heat Gain from Oil Cooler	MMBtu/hr (kWth)	0.087 (26)
Total Heat Recovery	MMBtu/hr (kWth)	0.703 (206)
CHP Options:		
Hot Water	Flow Rate	gpm (L/min) 77 (292)
	Temp IN	°F (°C) 138 (59)
	Temp OUT	°F (°C) 159 (70)

CHP Capability @ 100% load



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