



Specifications for Induction or Synchronous Cogeneration Systems.

	<u>Model</u>
	8250-AMERIGEN
Electrical Output:	
kW (a)	250
Power Factor	0.95
Thermal Output:	
Thermal Output (therms/hour)	12.7
Water Flow Rate (gallons per minute)	186
Water Outlet Max. Temp (Fahrenheit)	205
Efficiency: (b)	
Heat Rate (LHV)	9,701
Electrical Efficiency	34.8%
Thermal Efficiency	52.0%
Combined Total Efficiency	86.8%
Emissions (corrected to 15% O ₂): (b)	
VOC - Hydrocarbons (g / BHP - hr)	< . 7
NOx - Oxides of Nitrogen (g / BHP - hr)	< . 09
CO - Carbon Monoxide (g / BHP - hr)	< . 5
Engine:	
Engine Model	E2842 E312
Fuel Consumption (therms/hour)	24.5
Fuel Pressure (inches w.c.)	8 to 13
Horsepower	354
Configuration / # of Cylinders	V -12
Displacement (cubic inches)	1,338
RPMs	1,800
Miscellaneous: Outdoor Enclosure	
Dimensions (L x W x H inches)	156 x 72 x 96
Weight (lbs)	9,125
Noise (dba @ 2 meters) (c)	78

Notes:

- (a) Single bearing; 480 Volts; 3 phase; 60 Hertz AC
(b) Based on using optional advanced catalytic converter technology. Pricing assumes a catalytic converter; is not necessary in all jurisdictions.
(c) Represents the standard enclosure and muffler package. Sound levels can be dramatically reduced to 68 dba with additional sound attenuation where necessary.
(d) Container pricing available
(e) The values in this specification subject to a tolerance of: Electrical Output +/- 0.5%; Thermal Output +/- 9%; Fuel +/- 6%

Data obtained on units operating at sea level on 970 BTU/SCF HHV natural gas during 70° F ambient day. All units are self contained and are controlled by an imbedded processor based electronic control system. Integral to the control system are safety functions designed to automatically shut down the machine in the event of over or under frequency, over or under voltage, over or under current, reverse current, low oil level or pressure, low water flow rate, or excessive temperatures anywhere in the system. All units may be remotely monitored and controlled via an integrated modem and communications interface. Co-Energy America reserves the right to change unit specifications without notice.
