



Specifications for Induction or Synchronous Cogeneration Systems.

	<u>Model</u> 8060-AMERIGEN	<u>Model</u> 8085-AMERIGEN
Electrical Output:		
kW (a)	60	85
Power Factor	0.95	0.95
Thermal Output:		
Thermal Output (therms/hour)	4.1	5.0
Water Flow Rate (gallons per minute)	54	54
Water Outlet Max. Temp (Fahrenheit)	205	205
Efficiency: (b)		
Electrical Efficiency	26.5%	31.7%
Thermal Efficiency	52.4%	55.1%
Combined Total Efficiency	78.9%	86.8%
Emissions (corrected to 15% O ₂): (b)		
VOC - Hydrocarbons (g / BHP - hr)	< . 7	< . 7
NO _x - Oxides of Nitrogen (g / BHP - hr)	< . 09	< . 09
CO - Carbon Monoxide (g / BHP - hr)	< . 5	< . 5
Engine:		
Engine Model	GM 8.1	GM 8.1
Fuel Consumption (therms/hour)	7.8	9.3
Fuel Pressure (inches w.c.)	8 to 13	8 to 13
Horsepower	90	122
Configuration / # of Cylinders	V-8	V-8
Displacement (cubic inches)	494	494
RPMs	1,800	1,800
Miscellaneous: Outdoor Enclosure		
Dimensions (L x W x H inches)	156 x 60 x 96	156 x 60 x 96
Weight (lbs)	7,500	7,500
Noise (dba @ 2 meters) (c)	72	72

Notes:

- (a) Single bearing; 480 Volts; 3 phase; 60 Hertz AC
(b) Based on using optional advanced catalytic converter technology.
(c) Represents the standard enclosure and muffler package. Sound levels can be dramatically reduced to 68 dba with additional sound attenuation where necessary.
(d) 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 983 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.
