INTELLIGEN
POWER SYSTEMS LLC
Intelligent Cogeneration

Specifications for 250 kW Cogeneration System

		Model 250-IC With ECS (b)
Electrical Output:		
kW (a)		250
Power Factor	Ind .85	Sync .9
Thermal Output:		
Thermal Output (therms/hour)		14.1
Water Flow Rate (gallons per minute)		180
Water Outlet Max. Temp (Fahrenheit)		200
Efficiency:		
Heat Rate (BTU/kW-Hr) (LHV)		10,291
Electrical Efficiency		33.2%
Thermal Efficiency		55.2%
Combined Total Efficiency		88.3%
Emissions (corrected to 15% O2) (b)		
VOC - Hydrocarbons (g / BHP - hr)		< . 15
NOx - Oxides of Nitrogen (g / BHP - hr)		< . 15
CO - Carbon Monoxide (g / BHP - hr)		< . 60
VOC - Hydrocarbons (ppmvd)		< 32
NOx - Oxides of Nitrogen (ppmvd)		< 11
CO - Carbon Monoxide (ppmvd)		< 72
Engine:		
Fuel Consumption (mmbtu/hr)(LHV)		2.572
Fuel Pressure (PSI)		2.0
Horsepower		375
Configuration / # of Cylinders		V-12
Displacement (liters)		21.93
Engine Speed (RPM)		1,800
Miscellaneous:		
Dimensions (L x W x H inches)		134 x 60 x 72.5
Weight (lbs)		7,000
Noise (dB(A) @ 2 meters) (c)		85

Notes:

(a) Single bearing; 480 Volts; 3 phase; 60 Hertz AC

(b) Emissions Control System - ECS is not necessary in all jurisdictions. Emissions levels shown are "lowest achievable levels". Emissions requirements must be stated at time of equipment order based on state and federal requirements for a particular equipment application.

(c) Represents the standard enclosure and muffler package. Sound levels can be dramatically reduced with additional sound attenuation where necessary.

All engineering data is based on a tolerance of +/- 6%

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.

Intelligen Power Systems reserves the right to change unit specifications without notice.

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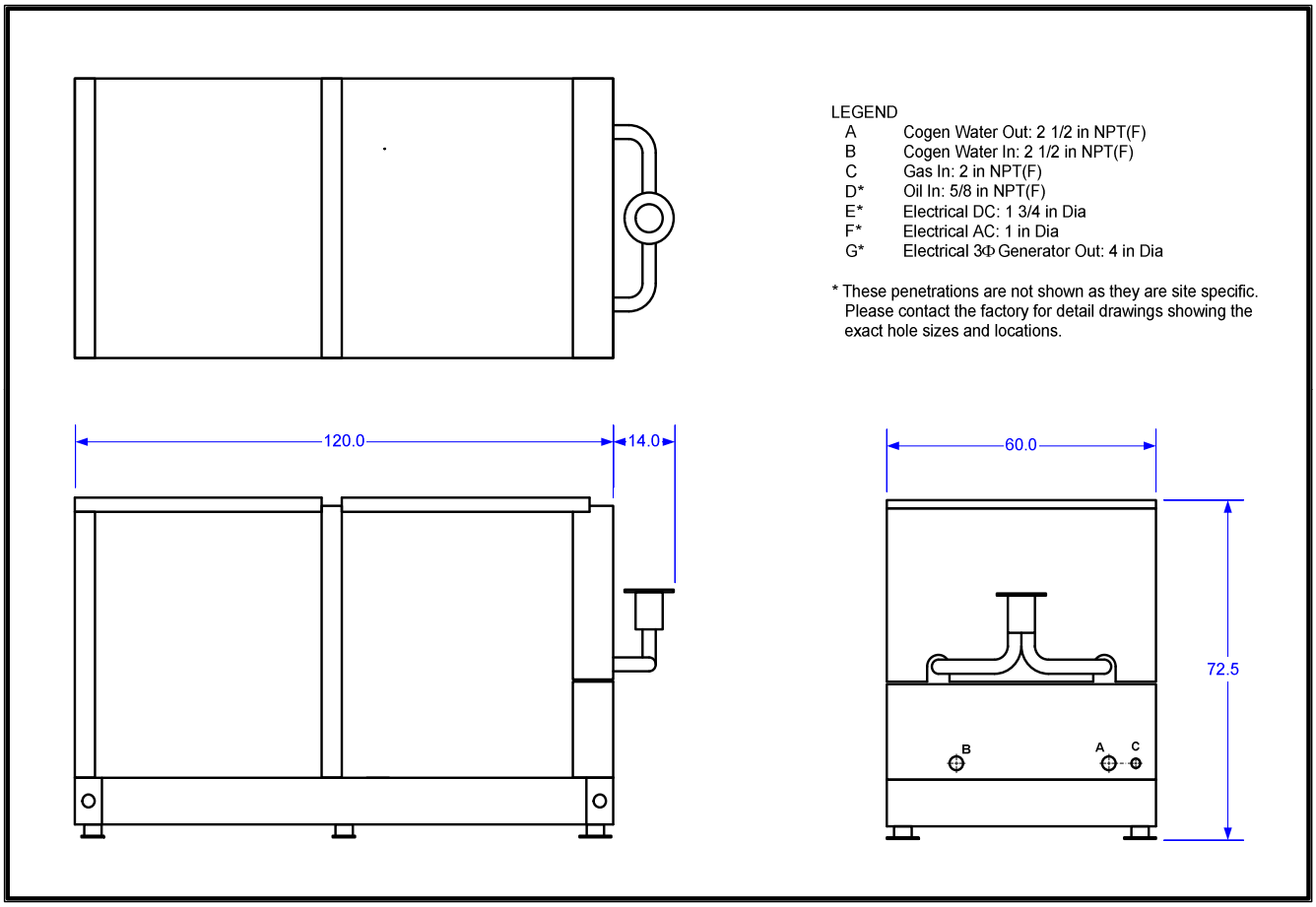
Three-View Drawing for 250 kW Cogeneration System (a) (b)



Notes:

(a) Represents Intelligen Power Systems' standard enclosure and base hot water configuration. Other options are available to meet customer's requirements.
(b) Represents cogeneration unit only. ECS option, if required, is installed external to the enclosure and requires an engineered solution, consult factory.