

# IEL - NATURAL GAS GENERATOR - MODEL: FNG75

## POWER RATINGS

Model Number	Voltage range				Standby Power			Prime Power			
		Phase	pf	Hz	kW	kVA	Amps	kW	kVA	Amps	
<b>FNG75</b>	120/240	1	1	60	60	75	250	60	75	250	
	120/208	3	0.8	60	67	82	200	60	75	200	
	120/240	3	0.8	60	67	82	200	60	75	200	
	277/480	3	0.8	60	67	82	100	60	75	91	
<b>FUEL CONSUMPTION</b>	<b>NATURAL GAS</b>			<b>PROPANE</b>							
	LOAD	25%	50%	75%	100%	LOAD	25%	50%	75%	100%	
	ft. 3/hr	260	500	696	1020	gal / hr	2.85	5.46	7.62	11.17	
						ft.3/hr.	105	201	281	411	

## ENGINE DATA

Basic Engine Data		Valve Train	OVERHEAD VALVE IN HEAD
Manufacturer	FORD WSG1068	Lifter type	Hydraulic
Naturally-aspirated	YES	Emissions	std / or / EPA available
Cylinders	10		
Displacement Cu.in (Liters)	415 -( 6.8 LITER)	EPA Certified	OPTIONAL
Bore inches (mm)	3.55 (90.2)	Engine Governor	Electronic Woodward
Stroke inches (mm)	4.17 (105.8)	Standard electronic system	COIL ON PLUG
Compressions ratio	9:1	Steady regulation electronic	Hz no load to full load 0.5%
Number of main bearings		Cooling System	Water cooled radiator type
Connection rods	10	Type of system	Pressurized
Piston material	Aluminium alloy	Water pump	Sealed
Cylinder head material	Cast Iron	Type of fan	Pusher
Oil capacity gals (liters)		Fuel System	Carbureted
Engine Electrical System	12 Volt	Fuel	Natural gas
Glow plugs	no	Nominal	1037 BTU/FT 3
Battery charge alternator	55 amp	Specific gravity	0.601
Starter motor	12V	Fuel inlet pressure	6" - 14" Water
Recommended lead acid battery	Group 34 850 CCA	Combustion	Spark ignition
Ground polarity	Negative	Firing order	

## Basic Alternator Data

Type	4 - pole	Coupling arrangement	Close
Rotor insulation	Class "H"	Load capacity (standby)	110%
Stator insulation	Class "H"	Load capacity (prime)	100%
Total harmonic factor	Less than 2%	Excitation System	
Telephone influence factor (TIF)	Less than 50	Brushless	AVR
Alternator cooling	Self ventilating	Volts change 100% load step	Under 3%(% sec)
Bearings	Single	Voltage regulation	2% all loads to 100%
		Temperature rise	125°C

## FNG Series Dimensions and Weights

	Standard Dimension - inches						Shipping dimensions					
	Open		Enclosed		Attenuated		Open		Enclosed		Attenuated	
	in.	cm	in.	cm	in.	cm	in.	cm	in.	cm	in.	cm
"H" height	66		86		86		66		86			
"W" width	49	49"	49		49		49		49			
"L" length	98	90"	111		111		98		111			
WEIGHT-LB (KG)												<b>3100 LB (1410 KG)</b>

\*\* INCLUDES LIFTING LUGS ON SKID BASE (7 INCHES)

## ELECTRONIC ENGINE / GENERATOR CONTROL PANEL

Standard Control Panel: This control comes complete as a manual or auto start control in a vibration isolated cabinet. When in "Auto" position a simple switch closure of any kind will signal the set to start. The controls provide safety shutdown protection for low oil pressure, high temperature, over/under speed and a over crank fault after three failed attempts to start. Using a push button you can easily scroll through the LCD showing the generator sets A/C voltage, amperage and hertz. The engine will be monitored for oil pressure, temperature, D/C battery volts, and engine hours run.