

IEL - NATURAL GAS GENERATOR - MODEL: FNG 40

POWER RATINGS

Model Number	Voltage range				Standby Power			Prime Power			
		Phase	pf	Hz	kW	kVA	Amps	kW	kVA	Amps	Engine Speed
FNG40	120/240	1	1	60	30	38	200	28	31	200	1800 rpm
	120/208	3	0.8	60	30	38	125	28	31	125	1800 rpm
	120/240	3	0.8	60	30	38	150	28	31	125	1800 rpm
	277/480	3	0.8	60	30	38	60	28	31	50	1800 rpm

ENGINE DATA

Basic Engine Data				Recommended lead acid b Group 34 / 850 CCA			
Manufacturer	FORD	CSG649		Ground polarity	Negative		
Naturally-aspirated	YES			Combustion	Spark ignition		
Cylinders	6			Valve Train	Valve in head		
Displacement Cu.in (Liters)	300 / 4.9			Lifter type	Hydraulic		
Engine H.P. continuous operation	28 kw / 37 bhp @ 1800 rpm			Emissions	std / or / EPA available		
Engine intermittant operation:	35 kw / 46 bhp @ 1800 rpm			EPA Certified	Optional		
Bore inches (mm)	4 / 101.6			Engine Governor	Electronic Woodward		
Stroke inches (mm)	3.98 / 101.1			Standard electronic system	Electronic with Coil		
Compressions ratio	8:1			Steady regulation electron	Hz no load to full load 0.5%		
Cylinder head material	Cast Iron			Cooling System	Water cooled radiator type		
Oil capacity Qts (liters)	7 / 6.5 L.			Type of fan	Pusher		
Engine Electrical System	12 Volt			Fuel System	Carbureted		
Glow plugs	no			Fuel	Natural gas		
Battery charge alternator	55 amp			Nominal	1037 BTU/FT 3		
Starter motor	12V			Specific gravity	0.601		
				Fuel inlet pressure	6" - 14" Water		

GENERATOR - ALTERNATOR

Type	4 - pole - (1800 RPM ONLY)	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%	Brushless	AVR
Telephone influence factor (TIF)	Less than 50	Volts change 100% load sta	Under 3%(% sec)
Alternator cooling	Self ventilating	Voltage regulation	2% all loads to 100%
Bearings	Single	Temperature rise	125°C

FNG Series Dimensions and Weights

	Standard Dimension						Shipping dimensions					
	Open***		Enclosed		Attenuated		Open		Enclosed		Attenuated	
	ins	cm	ins	cm	ins	cm	ins	cm	ins	cm	ins	cm
"H" height	54	138	*90	229	*90	229	54	138	*90	229	90	229
"W" width	38	97	**47	120	** 47	120	38	97	**48	122	48	122
"L" length	87	221	112	285	112	285	87	221	115	293	115	293
WEIGHT	1900 LBS		2800 LBS		3000 LBS*							

* INCLUDES STAND (24 INCHES) & INCLUDES EXHAUST OUTLET (18 INCHES) TOTAL INCLUDED = 42 INCHES

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

*** WITH ENVIRO SKID

25-Oct-16

SUBJECT TO CHANGE WITHOUT NOTICE / E & O.E. Excluder