

IEL - NATURAL GAS GENERATOR - MODEL: FNG30

POWER RATINGS

Model Number	Voltage Range				Standby Power			Prime Power			
		Phase	pf	Hz	kW	kVA	Amps	kW	kVA	Amps	Engine Speed
FNG30	120/240	1	1	60	25	30	100	20	25	85	1800 rpm
	120/208	3	0.8	60	25	30	85	20	25	70	1800 rpm
	120/240	3	0.8	60	25	30	75	20	25	60	1800 rpm
	277/480	3	0.8	60	25	30	37	20	25	30	1800 rpm

FUEL CONSUMPTION

	KW LOAD	NATURAL GAS		PROPANE	
		ft3 / hr	btu / hr	gal / hr	l / hr
25 % of rated load	6	125	130,000	1.5	6
50 % of rated load	12	217	225,000	2.3	9.2
75 % of rated load	18	265	275,000	2.8	11
100 % of rated load	25	330	345,000	3.8	15

ENGINE DATA - FORD MODEL: MSG425 INLINE 4 CYLINDER

Basic Engine Data		Recomm. lead acid battery	Group 34 / 750 CCA
Manufacturer	FORD MSG 425	Ground polarity	Negative
Naturally-aspirated	YES	Combustion	Coil on Plug / Spark ignition
Cylinders	4	Valve Train	Valve in head
Displacement Cu.in (Liters)	152/2.5	Lifter type	Set for Life Hydraulic
Engine H.P. continuous operation:	25 kw / 33 bhp @ 1800 rpm	Emissions	EPA Certified available
Engine intermittant operation:	28 kw / 38 bhp @ 1800 rpm	EPA Certified	Optional
Bore inches (mm)	3.5 / 89	Engine Governor	Electronic Bosch
Stroke inches (mm)	3.93 / 100	Electronic system	Engine Mgmt System
Compressions ratio	9.7:1	Steady regulation electroni	Hz no load to full load 0.5%
Cylinder head material	Aluminum	Cooling System	Water cooled radiator type
Oil capacity Qts (liters)	6.7 / 6.4 L.	Type of fan	Pusher
Engine Electrical System	12 Volt	Fuel System	N.G. / Propane Mixer
Glow plugs	no	Fuel	Natural gas / Propane
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 ste	Under 3%(% sec)
Alternator cooling	Self ventilating	Voltage regulation	2% all loads to 100%
Bearings	Single	Temperature rise	125°C

MSG 425 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	48	122	44	112	44	112						
"W" width	30	76	44	112	44	112						
"L" length	65	165	86	218	86	218						