

FG51P1/FG60E1

Gas Powered Generating Sets



Output Ratings

Generating Set Model	FG51P1/FG60E1			
	LPG		Nat Gas	
	Prime	Standby	Prime	Standby
380-415V, 50 Hz	51.0 kVA	60.0 kVA	51.0 kVA	60.0 kVA
	40.8 kW	48.0 kW	40.8 kW	48.0 kW

Ratings at 0.8 pf

Ratings Definitions

Prime Ratings

These ratings are applicable for supplying continuous electrical power (at variable load) in lieu of commercially purchased power. There is no limitation to the annual hours of operation and this model can supply 10% overload power for 1 hour in 12 hours.

Standby Ratings

These ratings are applicable for supplying continuous electrical power (at variable load) in the event of a utility power failure. No overload is permitted on these ratings. The alternator on this model is peak continuous rated (as defined in ISO 8528-3).

Technical Data

Engine Model:	Ford WSG 1068
Alternator Model:	LL2014H
Number of Cylinders:	V10
Cubic Capacity: litres (cu.in)	6.8 (415)
Bore/Stroke: mm (in)	90.2 (3.55) / 105.8 (4.16)
Compression ratio:	9.0:1
Aspiration:	Natural
Frequency:	50 Hz
Engine Speed:	1500 RPM
Gross Engine Power: kW (hp)	72.1 (96.6)
BMEP: Baseload kPA (psi)	848 (122.9)
Fuel Consump, FG60E1 LGP m ³ /hr (cfh)	8.1 (285)
Fuel Consump, FG60E1 NG m ³ /hr (cfh)	20.6 (724)
Heat Rejection to Cooling System: kW (Btu/min)	37.5 (2133)
Total Radiated Heat: kW (Btu/min)	21.3 (1212)
Exhaust Temperature LPG: °C (°F)	599 (1110)
Exhaust Temperature NG: °C (°F)	580 (1076)
Radiator Cooling Air Flow: m ³ /min (cfm)	196 (6916)



Combustion Air Flow LPG: m³/min (cfm) 2.8 (101)

Combustion Air Flow NG: m³/min (cfm) 2.8 (101)

Exhaust Gas Flow LPG: m³/min (cfm) 11.5 (407)

Exhaust Gas Flow NG: m³/min (cfm) 11.5 (407)

Note: Ratings in accordance with ISO 8528. Standard reference conditions 25°C (77°F) Air Inlet Temp, 100m (328ft) A.S.L. 30% relative humidity. All engine performance data based on the above mentioned maximum continuous ratings. Fuel consumption data at full load using gas fuel with a lower calorific value of 34.71MJ/m³.

Dimensions and Weights

Length: mm (in)	2400 (96.0)
Width: mm (in)	918 (36.1)
Height: mm (in)	1364 (53.7)
Net Weight: + lube oil & coolant: kg (lb)	898 (1980)

Special FG Wilson warranty terms apply.



In line with our policy of continuous product development, we reserve the right to change specification without notice.

FG Wilson has manufacturing facilities in the following locations:

Northern Ireland • Brazil • China • India • USA

With headquarters in Northern Ireland, FG Wilson operates through a Global Dealer Network. To contact your local Sales Office please visit the FG Wilson website at www.FGWilson.com

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