FG65P1/FG75E1

Gas Powered Generating Sets

FG WILSON

Output Ratings

Generating Set Model	FG65P1/FG75E1			
	LPG		Nat Gas	
	Prime	Standby	Prime	Standby
380-415V, 50 Hz	65.0 kVA	75.0 kVA	65.0 kVA	75.0 kVA
	52.0 kW	60.0 kW	52.0 kW	60.0 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:	LL2014J
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)	67.2 (90.1)
BMEP: Baseload kPA (psi)	791 (115)
Fuel Consump, FG75E1 LGP m³/hr (cfh)	8.4 (296)
Fuel Consump, FG75E1 NG m³/hr (cfh)	21.9 (770)
Heat Rejection to Cooling System: kW (Btu/min)	46.0 (2614)
Total Radiated Heat: kW (Btu/min)	27.0 (1531)
Exhaust Temperature LPG: °C (°F)	625 (1157)
Exhaust Temperature NG: °C (°F)	610 (1130)
Radiator Cooling Air Flow: m³/min (cfm)	196 (6916)

Combustion Air Flow LPG: m³/min (cfm)	3.5 (124)
Combustion Air Flow NG: m³/min (cfm)	3.2 (115)
Exhaust Gas Flow LPG: m³/min (cfm)	14.4 (507)
Exhaust Gas Flow NG: m³/min (cfm)	13.2 (467)

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 (95.0)
Width: mm (in)	918 (36.1)
Height: mm (in)	1364 (53.7)
Net Weight: + lube oil & coolant: kg (lb)	938 (2068)

Special FG Wilson warranty terms apply..

LLOYDS REGISTER QUALITY ASSURANCE
ISO9001