

Output Ratings		
Generating Set Model	P13P2S	P14E2S
220 - 240V, 50 Hz	13.0 kVA 13.0 kW	14.0 kVA 14.0 kW
240V, 60 Hz	15.5 kVA 15.5 kW	17.0 kVA 17.0 kW

Ratings at unity pf



Ratings Definitions

Prime Power – Model P13P2S

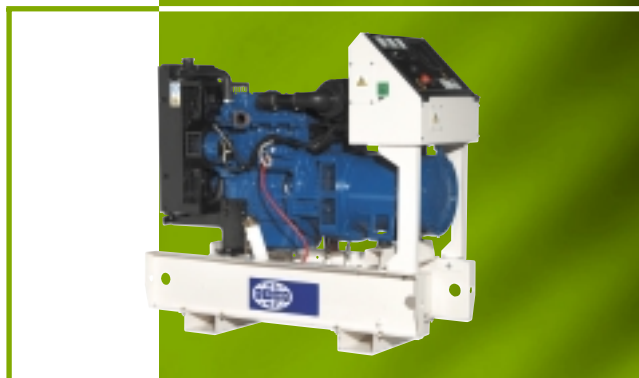
These ratings are applicable for supplying continuous electrical power (at variable load) in lieu of commercially purchased power. There is no limitation to the annual hours of operation and this model can supply 10% overload power for 1 hour in 12 hours.

Standby Power – Model P14E2S

These ratings are applicable for supplying continuous electrical power (at variable load) in 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 ISO8528-3).

Technical Data

Engine Model:	404C-22G1	
Alternator Model:	LLB1014L	
Number of Cylinders:	4	
Cubic Capacity: Litres (cu.in)	2.22 (135)	
Bore/Stroke: mm (in)	84 (3.3) / 100 (3.9)	
Compression ratio:	23.3:1	
Aspiration:	Natural	
Frequency:	50 Hz	60 Hz
Engine Speed:	1500 RPM	1800 RPM
Gross Engine Power: kW (hp)	18.0 (24.1)	21.5 (28.8)
BMEP: kPA (psi)	585 (84.8)	582 (84.4)
Piston Speed: m/sec (ft/sec)	5.0 (16.4)	6.0 (19.7)
Fuel Tank Capacity: Litres (US Gal)	45 (11.9)	45 (11.9)
Fuel Consump, P13P2S: 1/hr (USg/hr)	4.5 (1.2)	5.5 (1.5)
Fuel Consump, P14E2S: 1/hr (USg/hr)	4.3 (1.1)	6.1 (1.6)
Heat Rejection to Exhaust System: kW (Btu/min)	11.8 (672)	14.3 (814)
Heat Rejection to Cooling System: kW (Btu/min)	14.5 (825)	17.5 (996)
Total Radiated Heat: kW (Btu/min)	2.8 (159)	3.6 (205)
Exhaust Temperature: °C (°F)	430 (806)	440 (824)
Radiator Cooling		
Air Flow: m ³ /min (cfm)	40.2 (1420)	47.4 (1674)
Combustion Air Flow: m ³ /min (cfm)	1.45 (51.2)	1.74 (61.4)
Exhaust Gas Flow: m ³ /min (cfm)	3.56 (126)	4.34 (153)



Note: Standard reference conditions 25 °C (77 °F) Air Inlet Temp, 152.4m (500ft) A.S.L. 60% relative humidity. All engine performance data based on the above mentioned maximum continuous ratings. Fuel consumption data at full load with diesel fuel with specific gravity of 0.85 and conforming to BS2869: 1998, Class A2.

Dimensions and Weights

Length: mm (in)	Width: mm (in)	Height: mm (in)	Dry: kg (lb)	Wet: kg (lb)
1320 (52)	552 (21.7)	1258 (49.5)	TBA	TBA

Dry = With Lube Oil Wet = With Lube Oil and Coolant

Generating set pictured may include optional accessories

P13P2S/P14E2S



FG Wilson (Engineering) Ltd

Old Glenarm Road, Larne, County Antrim BT40 1EJ

Northern Ireland, United Kingdom

Tel: +44 (0) 28 2826 1000 Fax: +44 (0) 28 2826 1111

www.FGWilson.com

