

Output Ratings

Generating Set Model	Prime	Standby
380–480V, 60 Hz	1250 kVA 1000 kW	1375 kVA 1100 kW

Ratings at 0.8 pf

Prime Power

These ratings are applicable for supplying continuous electrical power (at variable load) in lieu of commercially purchased power. This model can supply 10% overload power for 1 hour in 12 hours.

Standby Power

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 ISO 8528-3).

Technical Data

Engine Model:	Perkins 4012-46TWG2A
Alternator Models:	LL8224L
Number of Cylinders:	12 V
Displacement: litres (cu.in)	45.482 (2,775.5)
Bore/Stroke: mm (in)	160 (6.3) / 190 (7.5)
Compression ratio:	13:1
Induction:	Turbocharged
Frequency:	60 Hz
Engine Speed:	1800
Gross Engine Power: kW (hp)	1217 (1632)
BMEP: kPA (psi)	1770 (256.7)
Piston Speed: m/sec (ft/sec)	11.4 (37.4)
Fuel Consump, Prime: l/hr (US g/hr)	266 (70.3)
Fuel Consump, Standby: l/hr (US g/hr)	298 (78.7)
Heat Rejected to Exhaust System: kW (Btu/min)	1050 (59710)
Heat Rejected to Water & Lube Oil: kW (Btu/min)	450 (25590)
Heat Radiated to Room: kW (Btu/min)	90 (5118)
Exhaust Gas Temperature: °C (°F)	430 (806)
Radiator Cooling Air Flow: m ³ /min (cfm)*	1104 (38988)
Combustion Air Flow: m ³ /min (cfm)	114 (4026)
Exhaust Gas Flow: m ³ /min (cfm)	235 (8297.9)

Dimensions and Weights

Length: mm (in)	Width: mm (in)	Height: mm (in)	Dry: kg (lb)	Wet: kg (lb)
4888 (192.4)	1895 (74.6)	2424 (96.4)	9246 (20378)	9447 (21385)
Dry = With Lube Oil		Wet = With Lube Oil and Coolant		

Ratings in accordance with ISO 8528, ISO 3046, IEC 60034, BS5000 and NEMA MG-1/22. Generating Set pictured may include optional accessories.



P1250P3/P1375E3



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

