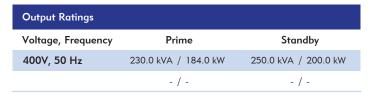


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P250-3



Ratings at 0.8 power factor.

Please refer to the output ratings technical data section for specific generator set outputs per voltage.

Prime Rating

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 Rating

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).

Standard Reference Conditions

Note: Standard reference conditions 25°C (77°F) Air Inlet Temp, 100m (328 ft) A.S.L. 30% relative humidity.

Fuel consumption data at full load with diesel fuel with specific gravity of 0.85 and conforming to BS2869: 1998, Class A2.

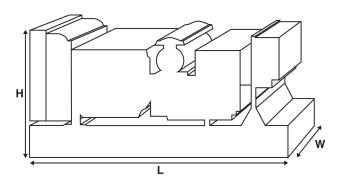




Image for illustration purposes only.

Ratings and Performance Data			
Engine Make & Model:	Perkir	ns® 1506A-l	E88TAG2
Alternator manufactured for FG Wilson by:	Marel	li	
Alternator Model:	MJB2	50LB4	
Control Panel:	Power	Wizard 1.1+	+
Base Frame:	Heavy	Duty Fabric	cated Steel
Circuit Breaker Type:	3 Pole	MCCB	
Frequency:	5	0 Hz	60 Hz
Engine Speed: rpm	1	1500	-
Fuel Tank Capacity: litres (US gal)		464 (12	22.6)
Fuel Consumption: I/hr (US gal/hr)			
(100% Load)	Prime 47.8	3 (12.6)	-
- St	andby 51.3	7 (13.7)	-

Available Options

FG Wilson offer a range of optional features to tailor our generator sets to meet your power needs. Options include:

- Upgrade to CE Certification
- A wide range of Sound Attenuated Enclosures
- A variety of generator set control and synchronising panels
- Additional alarms and shutdowns
- A selection of exhaust silencer noise levels

For further information on all of the standard and optional features accompanying this product please contact your local Dealer or visit: www.FGWilson.com

Dimensions ar	nd Weights			
Length (L) mm (in)	Width (W) mm (in)	Height (H) mm (in)	Dry kg (lb)	Wet kg (lb)
2662 (104.8)	1030 (40.6)	1754 (69.1)	2051 (4522)	2084 (4594)
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. Generator set pictured may include optional accessories.

Engine Technical Data	
No. of Cylinders / Alignment:	6 / In Line
Cycle:	4 Stroke
Bore / Stroke: mm (in)	112.0 (4.4)/149.0 (5.9)
Induction:	Turbocharged Air To Air Charge Cooled
Cooling Method:	Water
Governing Type:	Electronic
Governing Class:	ISO 8528 G2
Compression Ratio:	16.1:1
Displacement: I (cu. in)	8.8 (537.0)
Moment of Inertia: kg m² (lb/in²)	2.40 (8212)
Engine Electrical System:	
- Voltage / Groun	nd 24/Negative
- Battery Charger Am	ps 45
Weight: kg (lb)	778 (1715)
- W	/et 800 (1764)

Performance		50 Hz	60 Hz
Engine Speed: rpm		1500	-
Gross Engine Power: kW (hp	o)		
-1	Prime	213.0 (286.0)	-
- Sto	andby	236.0 (316.0)	-
BMEP: kPa (psi)			
-	Prime	1935.0 (280.6)	-
- Sto	andby	2144.0 (310.9)	-

Fuel System	
Fuel Filter Type:	Replaceable Element

Recommended Fuel: Class A2 Diesel or BSEN590

Fuel Consumption: I/hr (US gal/hr)

	110%	100%	75%	50%
Prime	Load	Load	Load	Load
50 Hz	51.7 (13.7)	47.8 (12.6)	37.1 (9.8)	27.1 (7.2)
60 Hz	-	-	-	-

	100%	75%	50%
Standby	Load	Load	Load
50 Hz	51.7 (13.7)	39.8 (10.5)	28.8 (7.6)
60 Hz	-	-	-

(Based on diesel fuel with a specific gravity of 0.85 and conforming to BS2869, Class A2) $\,$

Air Systems	50 Hz	60 Hz
Air Filter Type:	Paper E	lement
Combustion Air Flow: m³/min (cfm)		
- Prime	14.4 (509)	-
- Standby	15.0 (530)	-
Max. Combustion Air Intake Restriction: kPa (in H_2O)	6.2 (24.9)	-

Cooling System		50 Hz	60 Hz
Cooling System Capacity: I (US gal)		33.0 (8.7)	-
Water Pump Type:		Centr	rifugal
Heat Rejected to Water & Lube Oil:			
kW (Btu/min) - P	rime	93.0 (5289)	-
- Stai	ndby	99.0 (5630)	-
Heat Radiation to Room: Heat radiated from engine and alternator			
kW (Btu/min) - P	rime	25.3 (1439)	
- Stai	ndby	26.8 (1524)	
Radiator Fan Load: kW (hp)		7.7 (10.3)	-
Radiator Cooling Airflow: m³/min (cfm	409	9.5 (14461)	-
External Restriction to Cooling Airflow: Pa (in H ₂ O)		125 (0.5)	-

Designed to operate in ambient conditions up to 50° C (122°F). Contact your local FG Wilson Dealer for power ratings at specific site conditions.

Lubrication System	
Oil Filter Type:	Spin-On, Full Flow
Total Oil Capacity: I (US gal)	39.0 (10.3)
Oil Pan: I (US gal)	36.0 (9.5)
Oil Type:	API CI-4 0W-30
Oil Cooling Method:	Water

Exhaust System	50 Hz	60 Hz
Maximum Allowable Back Pressure: kPa (in Hg)	10.0 (3.0)	-
Exhaust Gas Flow: m³/min (cfm)		
- Prime	34.4 (1215)	-
- Standby	35.7 (1261)	-
Exhaust Gas Temperature: °C (°F)		
- Prime	467 (873)	-
- Standby	475 (887)	-

Alternator Physical Data	
Manufactured for FG Wilson by:	Marelli
Model:	MJB250LB4
No. of Bearings:	1
Insulation Class:	Н
Winding Pitch Code:	2/3 - M0
Wires:	12
Ingress Protection Rating:	IP23
Excitation System:	SHUNT
AVR Model:	Mark V

Alternator Operating Data					
Overspeed: rpm	2250				
Voltage Regulation: (Steady state)	+/- 0.5%				
Wave Form NEMA = TIF:	50				
Wave Form IEC = THF:	2.0%				
Total Harmonic content LL/LN:	2.0%				
Radio Interference:	Suppression is in line with European Standard EN61000-6				
Radiant Heat: kW (Btu/min)					
- 50 Hz	12.8 (728)				
- 60 Hz	-				

Alternator Performance Data:		50	Hz		60 Hz
Data Item	415/240V	400/230V	380/220V		
		230/115V			
		230 V			
Motor Starting		a= .			
Capability* kVA	403	374	337		
Short Circuit					
Capacity** %	300	300	300		
Reactances: Per Unit					
Xd	2.594	2.797	3.095		
X'd	0.214	0.231	0.256		
X"d	0.082	0.088	0.098		

Reactances shown are applicable to prime ratings.
*Based on 30% voltage dip at 0.0 power factor and SHUNT excitation.

**With optional	permanent	magnet	generator	or AREP	excitation.

Output Ratings Technical Data 50 Hz					
Voltage	Priı	ne:	Standby:		
	kVA	kW	kVA	kW	
415/240V	230.0	184.0	250.0	200.0	
400/230V	230.0	184.0	250.0	200.0	
380/220V	230.0	184.0	250.0	200.0	
230/115V	230.0	184.0	250.0	200.0	
230 V	230.0	184.0	250.0	200.0	

Output Ratings Technical Data 60 Hz						
Voltage	Pr	ime:	Standby:			
	kVA	kW	kVA	kW		