

Engine Technical Data		
No. of Cylinders / Alignment:	6 / In Line	
Cycle:	4 Stroke	
Bore / Stroke: mm (in)	145.0 (5.7)/183.0 (7.2)	
Induction:	Turbocharged Air To Air Charge Cooled	
Cooling Method:	Water	
Governing Type:	Electronic	
Governing Class:	ISO 8528 G2	
Compression Ratio:	14.5:1	
Displacement: l (cu. in)	18.1 (1104.5)	
Moment of Inertia: kg m ² (lb/in ²)	7.44 (25424)	
Engine Electrical System:		
- Voltage / Ground	24/Negative	
- Battery Charger Amps	70	
Weight: kg (lb)	- Dry	2050 (4519)
	- Wet	2158 (4758)

Performance	50 Hz	60 Hz
Engine Speed: rpm	1500	-
Gross Engine Power: kW (hp)		
- Prime	495.0 (664.0)	-
- Standby	544.0 (730.0)	-
BMEP: kPa (psi)		
- Prime	2184.0 (316.8)	-
- Standby	2400.0 (348.1)	-

Fuel System					
Fuel Filter Type:	Eco Replaceable Element				
Recommended Fuel:	Class A2 Diesel, BSEN590				
Fuel Consumption: l/hr (US gal/hr)					
	110%	100%	75%	50%	
Prime	Load	Load	Load	Load	
50 Hz	119.3 (31.5)	108.0 (28.5)	81.5 (21.5)	57.8 (15.3)	
60 Hz	-	-	-	-	
		100%	75%	50%	
Standby		Load	Load	Load	
50 Hz		119.3 (31.5)	89.2 (23.6)	62.3 (16.5)	
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:	Non Canister	
Combustion Air Flow: m ³ /min (cfm)		
- Prime	37.0 (1307)	-
- Standby	40.0 (1413)	-
Max. Combustion Air Intake Restriction: kPa (in H ₂ O)	6.4 (25.7)	-

Cooling System	50 Hz	60 Hz
Cooling System Capacity: l (US gal)	68.5 (18.1)	-
Water Pump Type:	Centrifugal	
Heat Rejected to Water & Lube Oil:		
kW (Btu/min)	- Prime	185.0 (10521)
	- Standby	190.9 (10856)
Heat Radiation to Room: Heat radiated from engine and alternator		
kW (Btu/min)	- Prime	70.9 (4032)
	- Standby	73.5 (4180)
Radiator Fan Load: kW (hp)	9.0 (12.1)	-
Radiator Cooling Airflow: m ³ /min (cfm)	373.2 (13179)	-
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:	Eco, Full Flow
Total Oil Capacity: l (US gal)	55.5 (14.7)
Oil Pan: l (US gal)	53.5 (14.1)
Oil Type:	API CH4 / CI4
Oil Cooling Method:	Water

Exhaust System	50 Hz	60 Hz
Maximum Allowable Back Pressure: kPa (in Hg)	6.9 (2.0)	-
Exhaust Gas Flow: m ³ /min (cfm)		
- Prime	88.0 (3108)	-
- Standby	95.3 (3365)	-
Exhaust Gas Temperature: °C (°F)		
- Prime	521 (969)	-
- Standby	523 (974)	-

Documentation

A full set of operation and maintenance manuals and circuit wiring diagrams.

Generating Set Standards

The equipment meets the following standards: BS5000, ISO 8528, ISO 3046, IEC 60034, NEMA MG-1.22.

FG Wilson is a fully accredited ISO 9001 company.

Warranty

All prime equipment carries a one year manufacturer's warranty. Standby equipment, limited to 500 running hours per year, has a two year manufacturer's warranty. For details on warranty cover please contact your local Dealer, or visit our website: FGWilson.com.

Dealer contact details:

FG Wilson manufactures product 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.

FG Wilson is a trading name of Caterpillar (NI) Limited.

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