

Engine Technical Data	
No. of Cylinders / Alignment:	16 / Vee
Cycle:	4 Stroke
Bore / Stroke: mm (in)	160.0 (6.3)/190.0 (7.5)
Induction:	Turbocharged Air To Air Charge Cooled
Cooling Method:	Water
Governing Type:	Electronic
Governing Class:	ISO 8528
Compression Ratio:	13.6:1
Displacement: l (cu. in)	61.1 (3730.0)
Moment of Inertia: kg m ² (lb/in ²)	20.72 (70803)
Engine Electrical System:	
- Voltage / Ground	24/Negative
- Battery Charger Amps	40
Weight: kg (lb)	
- Dry	5570 (12280)
- Wet	5847 (12890)

Performance	50 Hz	60 Hz
Engine Speed: rpm	1500	-
Gross Engine Power: kW (hp)		
- Prime	1588.0 (2130.0)	-
- Standby	1741.0 (2335.0)	-
BMEP: kPa (psi)		
- Prime	2079.0 (301.5)	-
- Standby	2279.0 (330.5)	-

Fuel System				
Fuel Filter Type:	Replaceable Element			
Recommended Fuel:	Class A2 Diesel or BSEN590			
Fuel Consumption: l/hr (US gal/hr)				
	110%	100%	75%	50%
Prime	Load	Load	Load	Load
50 Hz	419.9 (110.9)	378.2 (99.9)	277.6 (73.3)	188.6 (49.8)
60 Hz	-	-	-	-
		100%	75%	50%
Standby		Load	Load	Load
50 Hz		419.9 (110.9)	305.4 (80.7)	204.8 (54.1)
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:	Replaceable Element	
Combustion Air Flow: m ³ /min (cfm)		
- Prime	132.0 (4662)	-
- Standby	140.0 (4944)	-
Max. Combustion Air Intake Restriction: kPa (in H ₂ O)	3.7 (14.9)	-

Cooling System	50 Hz	60 Hz
Cooling System Capacity: l (US gal)	316.0 (83.5)	-
Water Pump Type:	Centrifugal	
Heat Rejected to Water & Lube Oil:		
kW (Btu/min)		
- Prime	586.0 (33325)	-
- Standby	629.0 (35771)	-
Heat Radiation to Room: Heat radiated from engine and alternator		
kW (Btu/min)		
- Prime	163.4 (9292)	-
- Standby	176.3 (10026)	-
Radiator Fan Load: kW (hp)	52.4 (70.3)	-
Radiator Cooling Airflow: m ³ /min (cfm)	1812 (63990)	-
External Restriction to Cooling Airflow: Pa (in H ₂ O)	250 (1.0)	-

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: l (US gal)	238.0 (62.9)
Oil Pan: l (US gal)	214.0 (56.5)
Oil Type:	API CG4 15W-40
Oil Cooling Method:	Water

Exhaust System	50 Hz	60 Hz
Maximum Allowable Back Pressure: kPa (in Hg)	9.3 (2.7)	-
Exhaust Gas Flow: m ³ /min (cfm)		
- Prime	362.0 (12784)	-
- Standby	362.0 (12784)	-
Exhaust Gas Temperature: °C (°F)		
- Prime	500 (932)	-
- Standby	500 (932)	-

Documentation

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

Generator 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.