

Engine Technical Data	
No. of Cylinders / Alignment:	4 / In Line
Cycle:	4 Stroke
Bore / Stroke: mm (in)	105.0 (4.1)/127.0 (5.0)
Induction:	Turbocharged Air To Air Charge Cooled
Cooling Method:	Water
Governing Type:	Electronic
Governing Class:	ISO 8528 G2
Compression Ratio:	16.2:1
Displacement: l (cu. in)	4.4 (268.5)
Moment of Inertia: kg m ² (lb/in ²)	1.31 (4476)
Engine Electrical System:	
- Voltage / Ground	12/Negative
- Battery Charger Amps	65
Weight: kg (lb)	
- Dry	465 (1025)
- Wet	474 (1045)

Performance	50 Hz	60 Hz
Engine Speed: rpm	1500	-
Gross Engine Power: kW (hp)		
- Prime	94.5 (127.0)	-
- Standby	105.0 (141.0)	-
BMEP: kPa (psi)		
- Prime	1719.0 (249.3)	-
- Standby	1910.0 (277.0)	-

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	25.5 (6.7)	23.8 (6.3)	18.9 (5.0)	12.9 (3.4)
60 Hz	-	-	-	-
	100%	75%	50%	
Standby	Load	Load	Load	
50 Hz	25.5 (6.7)	20.4 (5.4)	14.2 (3.8)	
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 Element	
Combustion Air Flow: m ³ /min (cfm)		
- Prime	6.4 (227)	-
- Standby	6.6 (231)	-
Max. Combustion Air Intake Restriction: kPa (in H ₂ O)	8.0 (32.1)	-

Cooling System	50 Hz	60 Hz
Cooling System Capacity: l (US gal)	17.0 (4.5)	-
Water Pump Type: Centrifugal		
Heat Rejected to Water & Lube Oil:		
kW (Btu/min)		
- Prime	57.4 (3264)	-
- Standby	63.1 (3588)	-
Heat Radiation to Room: Heat radiated from engine and alternator		
kW (Btu/min)		
- Prime	24.0 (1365)	-
- Standby	27.1 (1541)	-
Radiator Fan Load: kW (hp)	2.8 (3.8)	-
Radiator Cooling Airflow: m ³ /min (cfm)	201.0 (7098)	-
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: l (US gal)	8.0 (2.1)
Oil Pan: l (US gal)	7.0 (1.8)
Oil Type:	API CC/SE 15W-40
Oil Cooling Method:	Water

Exhaust System	50 Hz	60 Hz
Maximum Allowable Back Pressure: kPa (in Hg)	15.0 (4.4)	-
Exhaust Gas Flow: m ³ /min (cfm)		
- Prime	16.0 (565)	-
- Standby	16.5 (584)	-
Exhaust Gas Temperature: °C (°F)		
- Prime	480 (896)	-
- Standby	506 (943)	-

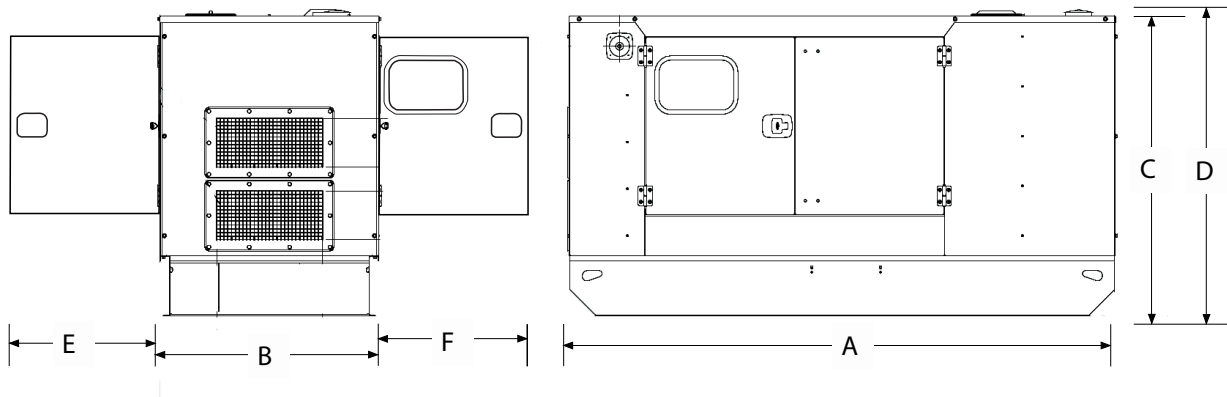
Sound Pressure Levels (dBA)

Generator Set Model		50 Hz						60 Hz					
		15 m (50 ft)		7 m (23 ft)		1 m (3 ft)		15 m (50 ft)		7 m (23 ft)		1 m (3 ft)	
		75% Load	100% Load	75% Load	100% Load	75% Load	100% Load	75% Load	100% Load	75% Load	100% Load	75% Load	100% Load
Three Phase													
P33-3	Prime	61	63	67	69	78	80	63	64	69	70	80	82
	Standby	62	64	68	70	79	81	63	65	69	71	81	82
P33-6	Prime	61	62	67	68	78	79	-	-	-	-	-	-
	Standby	61	63	67	69	78	80	-	-	-	-	-	-
P50-3	Prime	56	57	62	63	73	73	59	60	65	66	76	77
	Standby	56	58	62	64	73	74	59	61	65	67	76	78
P55-3	Prime	56	58	62	64	73	74	59	61	65	67	76	78
	Standby	57	58	63	64	73	75	60	62	66	68	77	79
P65-5	Prime	57	59	63	65	73	75	61	63	67	69	77	80
	Standby	57	59	63	65	74	76	61	64	67	70	78	81
P65-6	Prime	58	59	64	65	76	77	-	-	-	-	-	-
	Standby	58	60	64	66	76	78	-	-	-	-	-	-
P88-3	Prime	59	61	65	67	77	79	61	62	67	68	78	80
	Standby	60	62	66	68	78	80	61	63	67	69	79	81
P88-6	Prime	60	61	66	67	76	77	-	-	-	-	-	-
	Standby	60	61	66	67	77	77	-	-	-	-	-	-
P110-3	Prime	65	66	71	72	81	82	66	67	72	73	81	81
	Standby	66	66	72	72	81	82	66	67	72	73	81	82
P110-6	Prime	61	61	67	67	77	77	-	-	-	-	-	-
	Standby	61	61	67	67	77	77	-	-	-	-	-	-
P150-5	Prime	60	61	66	67	76	78	61	62	67	68	79	79
	Standby	60	61	66	67	77	78	61	62	67	68	79	79
P165-5	Prime	62	63	68	69	79	80	65	65	71	71	82	82
	Standby	62	63	68	69	79	80	65	65	71	71	82	82
P165-6	Prime	62	62	68	68	78	79	-	-	-	-	-	-
	Standby	62	63	68	69	78	79	-	-	-	-	-	-
P175-2	Prime	62	63	68	69	78	79	-	-	-	-	-	-
	Standby	63	63	69	69	79	79	-	-	-	-	-	-
P200-3	Prime	66	66	72	72	83	83	69	69	75	75	84	85
	Standby	66	66	72	72	83	83	69	69	75	75	84	85
P200-6	Prime	62	63	68	69	79	80	-	-	-	-	-	-
	Standby	62	63	68	69	79	80	-	-	-	-	-	-
P220-3	Prime	66	66	72	72	83	83	-	-	-	-	-	-
	Standby	66	67	72	73	83	83	-	-	-	-	-	-

Dimensions and Weights

Generator Set Model	A: mm (in)	B: mm (in)	C: mm (in)	D: mm (in)	E*: mm (in)		Weight: kg (lb)	Fuel Capacity: l
Three Phase								
P33-3	1864	898	1253	1349	880	–	846	56.0
P33-6	1864	898	1253	1349	880	–	846	56.0
P50-3	2291	1026	1426	–	800	1000	1025	145
P55-3	2291	1026	1426	–	800	1000	1025	145
P65-5	2291	1026	1426	–	800	1000	1067	145
P65-6	2291	1026	1426	–	800	1000	1107	145
P88-3	2291	1126	1527	–	1000	–	1202	188
P88-6	2761	1126	1535	–	1000	–	1401	212
P110-3	2761	1126	1535	–	1000	–	1402	212
P110-6	2761	1126	1535	–	1000	–	1402	212
P150-5	3515	1126	1681	–	1015	–	1754	289
P165-5	3515	1126	1681	–	1015	–	1892	289
P165-6	3515	1126	1681	–	1015	–	1937	289
P175-2	3515	1126	1681	–	1015	–	1937	289
P200-3	3515	1326	1681	–	1015	–	2074	384
P200-6	3515	1326	1681	–	1015	–	2134	384
P220-3	3515	1326	1681	–	1015	–	2159	384

*Clearance required both sides; Weight with lube oil, no coolant, no fuel.



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.

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