



# XD Rental Range

## XD100P4 (EUIIIa Emissions Compliant)

The FG Wilson XD Rental Range offers a choice of robust, fuel efficient range of generator sets, specifically designed for rental applications, ranging from 20 – 250 kVA.

### Key Features

#### Galvanised sound attenuated enclosure

Long lasting, hard wearing enclosure with excellent sound reduction for residential areas.

#### Spark arresting silencer

Spark arresting silencer with raincap.

#### Battery isolator

Allows battery connection to be severed when the generator set is not in use, avoiding unnecessary battery discharge.

#### System 4 alternator

Reinforced alternator winding protection against moisture ingress.

#### 4001 Control panel

Custom built and housed at the rear of the canopy behind a protective, lockable door, with a perspex viewing window.

#### Busbar and sockets

Power cubicle at rear of set with cable terminations and suitably rated CEE form socket outlets.

#### 4 Pole breaker with earth leakage protection

Accessible inside the power cubicle at the rear of the canopy. Suitably rated with thermal and magnetic overloads.

#### Inspection hatch

Allows cleaning access to internal fuel tank.

#### Fork pockets

Allows ease of movement when on site.

#### Racor filter

Fuel / water separator filter is fitted as standard.

#### 3-Way fuel valve

Fuel feed and returns pass through 3-way valves to allow change over from the set base tank to an external bulk tank.

#### Extended capacity, bunded base tank

Keeps all spillages contained inside the enclosure avoiding external site pollution.

### CE Socket Configuration

16A	2 x 1 phase
32A	2 x 3 phase + neutral
64A	1 x 3 phase + neutral

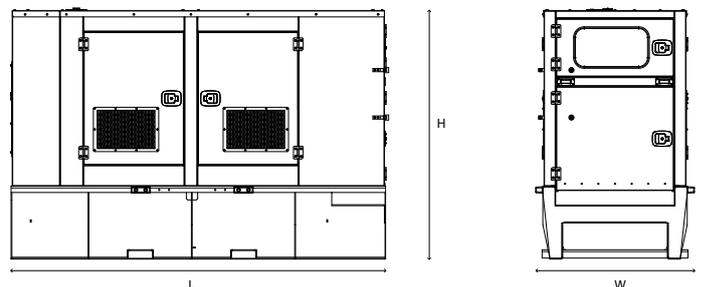
### Output Ratings

Voltage, Frequency	Prime	
	kVA	kW
400V, 50 Hz	100.0	80.0

Ratings at 0.8 power factor

### Dimensions and Weights

Length (L) mm (in)	Width (W) mm (in)	Height (H) mm (in)	Dry kg (lb)	Wet kg (lb)
3324 (130.9)	1230 (48.4)	1957 (77.0)	2774 (6116)	2800 (6172)



Output Ratings		
Engine Make & Model	Perkins® 1104D-44TAG2	
Alternator manufactured for FG Wilson by	Leroy Somer	
Alternator Model	LL3114F	
Control Panel	4001	
Base Frame	Heavy Duty Fabricated Steel	
Circuit Breaker Type	4 Pole MCCB	
Frequency	50 Hz	60 Hz
Engine Speed rpm	1500	-

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)	
Cooling Type	Water	
Governing Type	Electronic	
Governing Class	ISO 8528 G2	
Compression Ratio	16.2:1	
Displacement: L (cu.in)	4.4 (268.5)	

Performance	50 Hz	60 Hz
Gross Engine Power : kW (hp)	95.5 (128.0)	-
BMEP: kPa (psi)	1737 (251.9)	-
Regenerative Power: kW (hp)	-	-

Alternator Data		
No of Bearings:	1	
Insulation Class:	H	
Winding Pitch & Code:	2/3 - 6	
Wires:	12	
Ingress Protection Rating:	IP23	
Excitation System:	SHUNT	
AVR Model:	R250	

Generator Set Technical Data		
	50 Hz	60 Hz
Power Rating kVA (kW)	100 (80)	-
Lubricating System		
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	-
Fuel System		
Fuel Tank Capacity: L	662	-
Generator Set Fuel Consumption		
100% Load: L/hr (US Gal/hr)	23.9 (6.3)	-
75% Load: L/hr (US Gal/hr)	19.0 (5.0)	-
50 % Load: L/hr (US Gal/hr)	13.0 (3.4)	-
Running Time		
At 100% load: hrs	27.7	-
Cooling System		
Cooling / Radiator System Capacity: L (US Gal)	17.0 (4.5)	-
Heat Rejected to Coolant at Rated Power: kW (Btu/min)	57.4 (3264)	-
Air Systems		
Combustion Air Flow: m <sup>3</sup> /min (cfm)	6.4 (227)	-
Radiator Air Flow: m <sup>3</sup> /min (cfm)	144.0 (5085)	-
Generator Air Flow: m <sup>3</sup> /min (cfm)	22.2 (784)	-
Sound Pressure Levels		
@ 7m : dBA	64.8	-
@ 1m : dBA	77.1	-

#### 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](http://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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