



# XD Rental Range

## XD20P4 (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.

#### 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.

#### DeepSea Control panel

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

#### Sockets

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

#### 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.

#### Fork pockets

Allows ease of movement when on site.

#### 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.

#### Bunded base tank

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

### CE Socket Configuration

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

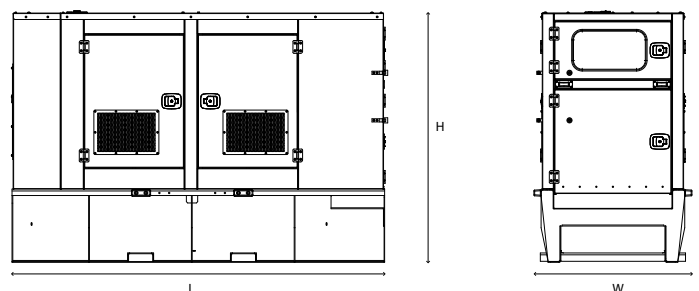
### Output Ratings

Generator Set Model	Prime	
	kVA	kW
400V, 50 Hz	20.0	16.0

Ratings at 0.8 power factor

### Dimensions and Weights

Length (L)	Width (W)	Height (H)	Dry	Wet
mm (in)	mm (in)	mm (in)	kg (lb)	kg (lb)
1685 (66.3)	950 (37.4)	1485 (58.5)	730 (1608)	744 (1640)



Output Ratings		
Engine Make & Model	Perkins® 404D-22G	
Alternator manufactured for FG Wilson by	Leroy Somer	
Alternator Model	LL1114N	
Control Panel	DeepSea	
Base Frame	Heavy Duty Fabricated Steel	
Circuit Breaker Type	ABB	
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)	84.0 (3.3) / 100.0 (3.9)	
Cooling Type	Water	
Governing Type	Mechanical	
Governing Class	ISO 8528	
Compression Ratio	23.3:1	
Displacement: L (cu.in)	2.2 (135.2)	

Performance	50 Hz	60 Hz
<b>Gross Engine Power</b>		
Prime: kW (hp)	18.7 (25.0)	-
<b>BMEP: kPa (psi)</b>		
Prime	675.0 (97.9)	-
Regenerative Power: kW (hp)	5.6	-

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	R220

Generator Set Technical Data		
	50 Hz	60 Hz
	Prime	Prime
Power Rating: kVA (kW)	20 (16)	-
<b>Lubricating System</b>		
Total Oil Capacity: L (US Gal)	10.6 (2.8)	-
Oil Pan: L (US Gal)	8.9 (2.4)	-
Oil Type	API CH4 15W-40	-
<b>Fuel System</b>		
Fuel Tank Capacity: L	45	-
<b>Generator Set Fuel Consumption</b>		
100% Load: L/hr (US Gal/hr)	5.3 (1.4)	-
75% Load: L/hr (US Gal/hr)	3.9 (1.0)	-
50% Load: L/hr (US Gal/hr)	2.9 (0.8)	-
<b>Running Time</b>		
At 100% Load: hrs	8.5	-
<b>Cooling System</b>		
Cooling / Radiator System Capacity: L (US Gal)	6.5 (1.7)	-
Heat Rejected to Coolant at Rated Power: kW (Btu/min)	19.6 (1115)	-
<b>Air Requirements</b>		
Combustion Air Flow: m <sup>3</sup> /min (cfm)	1.5 (51)	-
Radiator Air Flow: m <sup>3</sup> /min (cfm)	32.4 (1144)	-
Generator Air Flow: m <sup>3</sup> /min (cfm)	3.6 (127)	-
<b>Generator Set Noise Rating</b>		
@ 7m : dBA	62.6	-
@ 1m : dBA	74.1	-