



# XD Rental Range

## XD200P2

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

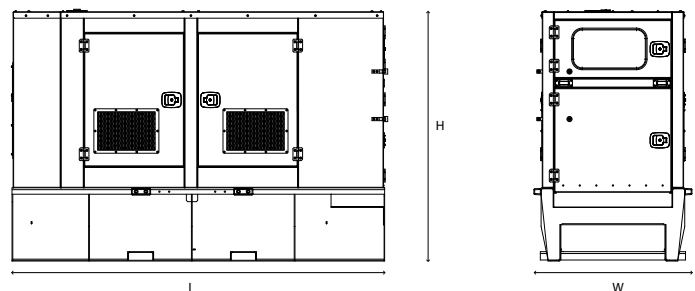
### Output Ratings

Generator Set Model	Prime	
	kVA	kW
400V, 50 Hz	200.0	160.0
380/220V, 60 Hz	225.0	180.0

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)
4169 (164.1)	1395 (54.9)	2141 (84.3)	3950 (8690)	4000 (8800)



## Output Ratings

Engine Make & Model	Perkins® 1306C-E87TAG4	
Alternator manufactured for FG Wilson by	Leroy Somer	
Alternator Model	LL5014H	
Control Panel	4001	
Base Frame	Heavy Duty Fabricated Steel	
Circuit Breaker Type	4 Pole MCCB	
Frequency	50 Hz	60 Hz
Engine Speed rpm	1500	1800

## Engine Technical Data

No. of Cylinders / Alignment	6 / In Line
Cycle	4 Stroke
Bore / Stroke: mm (in)	116.6 (4.6) / 135.9 (5.4)
Cooling Type	Water
Governing Type	Electronic
Governing Class	ISO 8528 G2
Compression Ratio	16.9:1
Displacement: L (cu.in)	8.7 (530.9)

## Performance

50 Hz

60 Hz

### Gross Engine Power

Prime: kW (hp) 209.0 (280.0) 233.0 (312.0)

### BMEP

Prime: kPa (psi) 1920 (278.5) 1784 (258.8)

Regenerative Power: kW (hp) 20.8 28.6

## Alternator Data

No of Bearings 1

Insulation Class H

Winding Pitch &amp; Code 2/3 - 6

Wires 12

Ingress Protection Rating IP23

Excitation System SHUNT

AVR Model R250

## Generator Set Technical Data

50 Hz

60 Hz

Prime

Prime

Power Rating kVA (kW) 200 (160) 225 (180)

### Lubricating System

Total Oil Capacity: L (US Gal) 26.4 (7.0)

Oil Pan: L (US Gal) 22.7 (6.0)

Oil Type API CI-4

### Fuel System

Fuel Tank Capacity: L 1004

### Generator Set Fuel Consumption

100% Load: L/hr (US Gal/hr) 44.4 (11.7) 53.0 (14.0)

75% Load: L/hr (US Gal/hr) 35.6 (9.4) 44.2 (11.7)

50 % Load: L/hr (US Gal/hr) 27.6 (7.3) 34.0 (9.0)

### Running Time

At 100% Load: hrs 22.6 18.9

### Cooling System

Cooling / Radiator System Capacity: L (US Gal) 24.7 (6.5) 24.7 (6.5)

Heat Rejected to Coolant at Rated Power: kW (Btu/min) 101.0 (5744) 103.0 (5858)

### Air Requirements

Combustion Air Flow: m³/min (cfm) 19.2 (678) 23.5 (830)

Radiator Air Flow: m³/min (cfm) 282.0 (9959) 282.0 (9959)

Generator Air Flow: m³/min (cfm) 25.8 (911) 30.6 (1081)

### Generator Set Noise Rating

@ 7m : dBA 68.2 70.8

@ 1m : dBA 80.8 83.5