



FB82.5-2

Prime rating

- Meets latest India CPCBII as per G.S.R 771(E) dated 11/12/2013 and its further amendments.
- Meets CPCB / MOEF norms as per G.S.R 371(T) dated 17/05/2002 and its further amendments.

Genset Technical Data

Genset Rating (kVA)	82.5
No of Phases	3
Power Factor	0.8
Voltage (V)	415
Frequency (Hz)	50
Current (A)	114.8
Controller Type	Standard
Starting System	12V D.C.
Genset Weight (kg)	1800
Noise @ 75% load (dBA)	< 75 @ 1m
Genset Dimensions (LxWxH) (mm)	3200 x 1162 x 1939
Battery Type	12 Volt
Circuit Breaker Rating (A)	125

Engine Technical Data

Engine Model	FBD3-3.4D3
Engine Speed (rpm)	1500
Engine Volume (l)	3.4
Rated Power (kW)	85
No. of cylinder	3
Bore (mm)	107
Stroke (mm)	126
Compression Ratio	17.5:1
Aspiration	TC-IC
Cooling System	Liquid Cooled
Cooling System Capacity (l)	16
Governing	Mechanical A2 Class

Alternator Technical Data

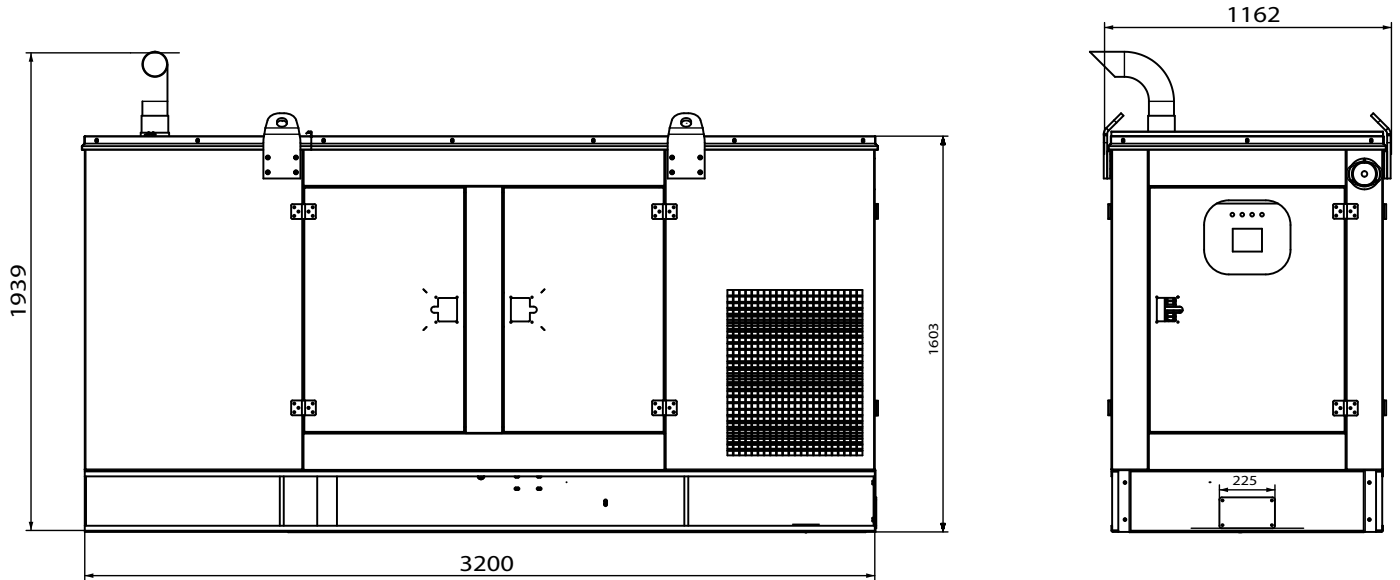
Alternator Make	CG
No of Bearings	Single Bearing
Alternator model	G1R200MD
Alternator rating	82.5
Class of insulation	H
Coupling details	SAE3/11.5"
Voltage Variation (%)	+/- 1
Rated Full load current (A)	114.8

Fuel & Oil Systems Technical Data

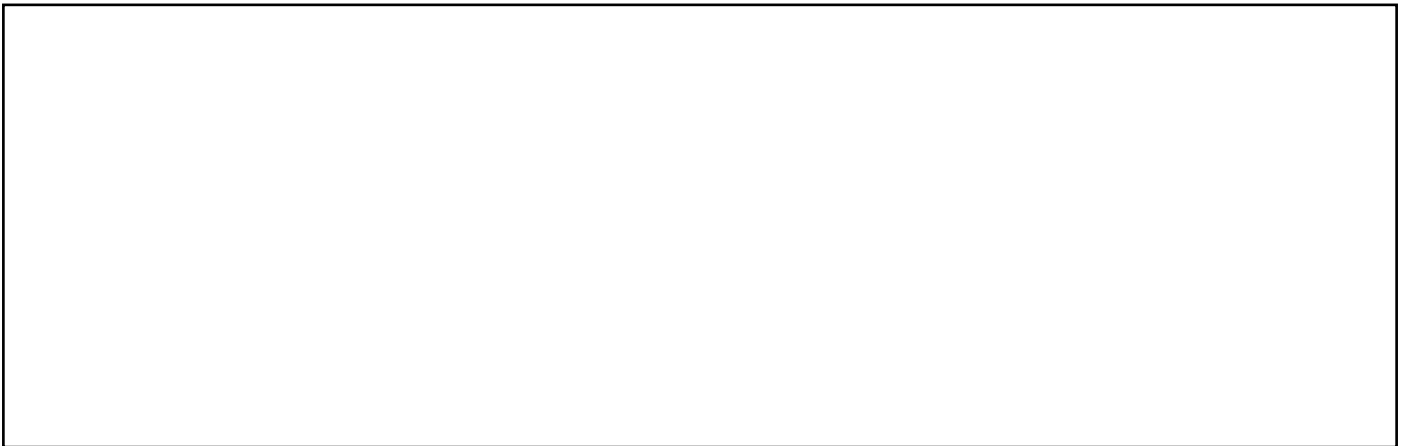
Fuel System	Mechanical
Type Of Fuel	HSD
Genset Fuel Tank Capacity (l)	200
Fuel Consumption - @ 100% Load (l/hr)*	18.8
Fuel Consumption - @ 75% Load (l/hr)*	13.43
Fuel Consumption - @ 50% Load (l/hr)*	9.42
Fuel Consumption Tolerance	0 to +5%
Lube Oil change period (hrs)	500
Oil Type	15W40 CH4
Oil capacity (l)	6.5
Oil Consumption @100% load (l/hr)	< 0.1% of FC

*sp.gr of fuel - 0.835kg/litre
 Standard operating conditions as per ISO3046 / ISO8528
 Prime Rating as per ISO8528

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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.

In line with our policy of continuous product development, we reserve the right to change specification without notice.