



# FB50-2

## 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)	50
No of Phases	3
Power Factor	0.8
Voltage (V)	415
Frequency (Hz)	50
Current (A)	69.6
Controller Type	Standard
Starting System	12 V D.C.
Genset Weight (kg)	1700
Noise @ 75% load (dBA)	< 75 @ 1m
Genset Dimensions (LxWxH) (mm)	3200 X 1162 X 1939
Battery Type	12 Volt
Circuit Breaker Rating (A)	75

### Engine Technical Data

Engine Model	FBD3-3.4D1
Engine Speed (rpm)	1500
Engine Volume (l)	3.4
Rated Power (kW)	75.5
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)	14
Governing	Mechanical A2 Class

### Alternator Technical Data

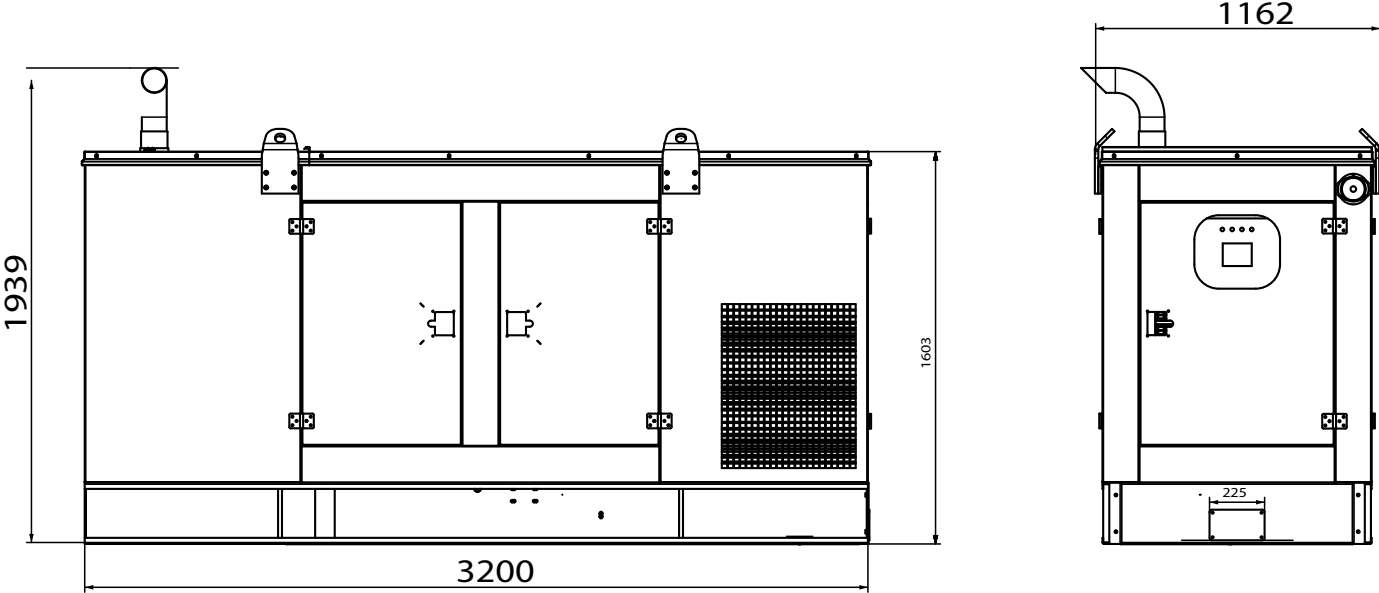
Alternator Make	Mecc Alte
No of Bearings	Single Bearing
Alternator model	ECP32 1M4C
Alternator rating	50
Class of insulation	H
Coupling details	SAE3/11.5"
Voltage Variation (%)	+/- 1
Rated Full load current (A)	69.6

### Fuel & Oil Systems Technical Data

Fuel System	Mechanical
Type Of Fuel	HSD
Genset Fuel Tank Capacity (l)	200
Fuel Consumption - @ 100% Load (l/hr)*	11.74
Fuel Consumption - @ 75% Load (l/hr)*	9.55
Fuel Consumption - @ 50% Load (l/hr)*	7.15
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](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.