



FB50-2A

Prime rating

Meets latest India CPCBlI 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)	415/230
Frequency (Hz)	50
Current (A)	70
Controller Type	SEDEMAC GC1202
Starting System	12V / 90 AH
Genset Weight (kg)	1170
Noise @ 75% load (dBA)	< 75 @ 1m (As per ISO 8528)
Genset Dimensions (LxWxH) (mm)	2800X1090X1442
Battery Type	Lead Acid
Circuit Breaker Rating (A)	75

Engine Technical Data

Engine Model	AL4CTIDG5
Engine Speed (rpm)	1500
Engine Volume (l)	3.84
Rated Power (kW)	40
No. of cylinder	4
Bore (mm)	104
Stroke (mm)	113
Compression Ratio	16.5 : 1
Aspiration	TA
Cooling System	Liquid Cooled
Cooling System Capacity (l)	13.5
Governing	Mechanical A1

Alternator Technical Data

Alternator Make	Leroy Somer
No of Bearings	1
Alternator model	LSAP 42.3 H
Alternator rating	50
Class of insulation	H
Coupling details	SAE 10
Voltage Variation (%)	1
Rated Full Load Current (A)	70

Fuel & Oil Systems Technical Data

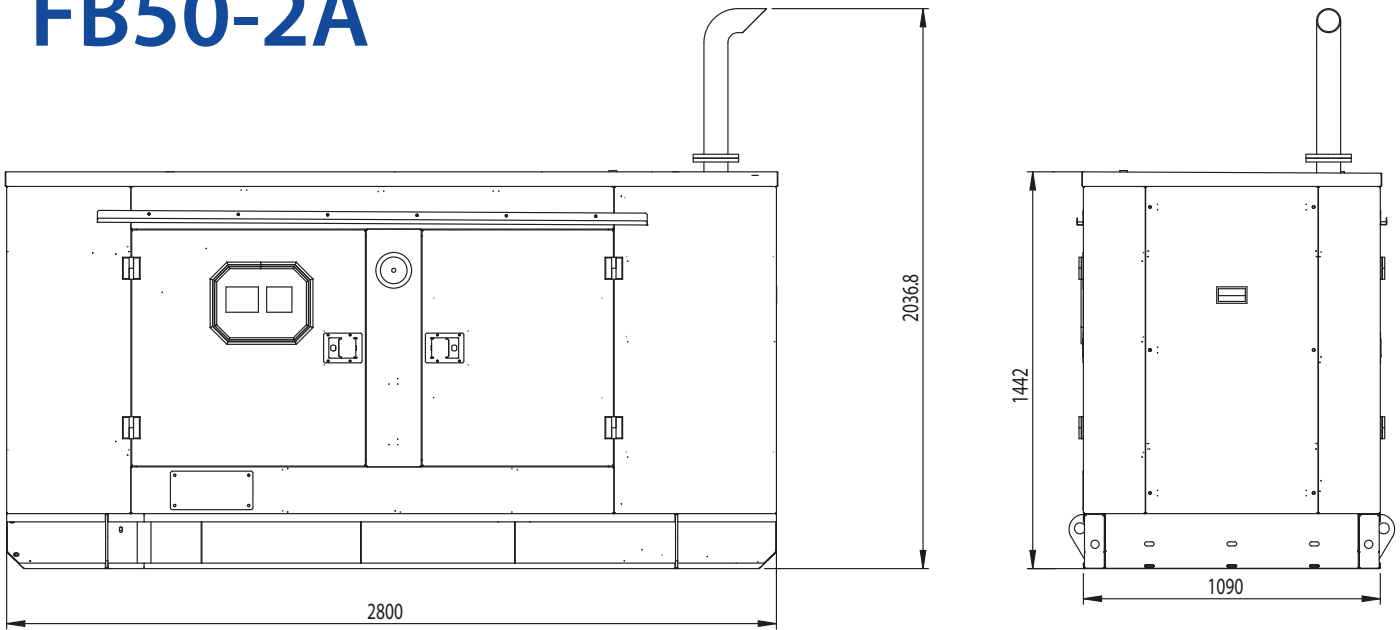
Fuel System	Inline FIP
Type Of Fuel	Diesel
Genset Fuel Tank Capacity (l)	155
Fuel Consumption - @ 100% Load (l/hr)*	11.8
Fuel Consumption - @ 75% Load (l/hr)*	9.7
Fuel Consumption - @ 50% Load (l/hr)*	6.9
Fuel Consumption Tolerance	5%
Lube Oil change period (hrs)	600 Hrs. or 1 Year
Oil Type	15W40
Oil Capacity (l)	9
Oil Consumption @100% load	< 0.1% of FC

*sp.gr of fuel - 0.835kg/litre

Standard operating conditions as per ISO3046 / ISO8528

Prime Rating as per ISO8528

FB50-2A



Caterpillar (NI) Limited is the manufacturer of FG Wilson brand diesel generating sets, and our facilities manufacture products in the following locations:
Brazil • China • India
With headquarters in Northern Ireland, FG Wilson products are distributed through a Global Dealer Network.
To contact your local Sales Office, please visit the FG Wilson website at www.fgwilson.com

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