



FB180-4A

Prime rating

Meets latest India CPCB emission norms (CPCBIV+) and noise norms



Genset Technical Data

Genset Rating (kVA)	180
No of Phases	3
Power Factor	0.8
Voltage (V)	415/240
Frequency (Hz)	50
Controller Type	GC1206
Starting System	12V / 130 AH
Genset Dry Weight (kg)	1975
Noise @ 75% load (dBA)	< 75 @ 1m (As per ISO 8528-10)
Genset Dimensions (LxWxH) (mm)	3900 x 1400 x 1875
Genset Dimensions (with Exhaust)	3900 x 1400 x 2773
Battery Type	Lead Acid
Circuit Breaker Rating (A)(3P/4P)	320/3P

Engine Technical Data

Engine Model	H6G4DE180
Engine Speed (rpm) Engine	1500
Volume (l)	6
Rated Power (kW)	165/220
No. of cylinder	6
Bore (mm)xStroke(mm)	104 x 118
Compression Ratio	16.5 : 1
Displacement (Litres)	6
Aspiration	TA
Cooling System	Liquid Cooled
Cooling System Capacity (l)	23
Cooling System Capability	50 °C
Governing	Electronic A0
DEF tank Capacity(L)24	24

Alternator Technical Data

Alternator Make	Leroy Somer
No of Bearings	1
Alternator model	LSAP 44.3 H
Alternator rating	180
Class of insulation	H
Coupling details	SAE 2/11.5
Voltage Variation (%)	1
Rated Full Load Current (A)	250
Short circuit fault current(Xd'')(kA)	0.124

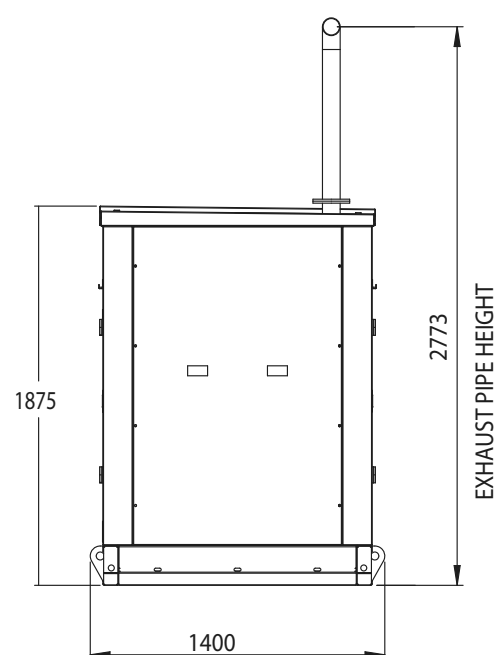
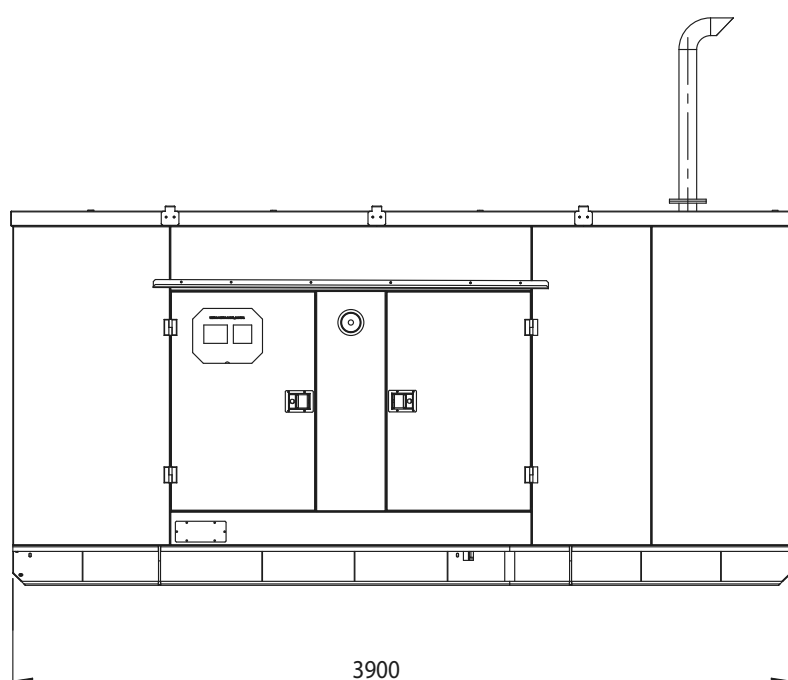
Fuel & Oil Systems Technical Data

Fuel System	CRS
Type Of Fuel	Diesel
Genset Fuel Tank Capacity (l)	325
Fuel Consumption - @ 75% Load (l/hr)*	30.4
Lube Oil change period (hrs)	750 Hrs. or 1 Year
Oil Type	10W30 CK4
Oil Capacity (l)	18
Oil Consumption @100% load	< 0.1% of FC

Ratings in accordance with ISO 8528, ISO 3046, BS 5514 under standard reference conditions

* With Diesel specific gravity of 0.8355 at NTP and tolerance of +5%

FB180-4A



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.