



# FB82.5-4A

## Prime rating

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

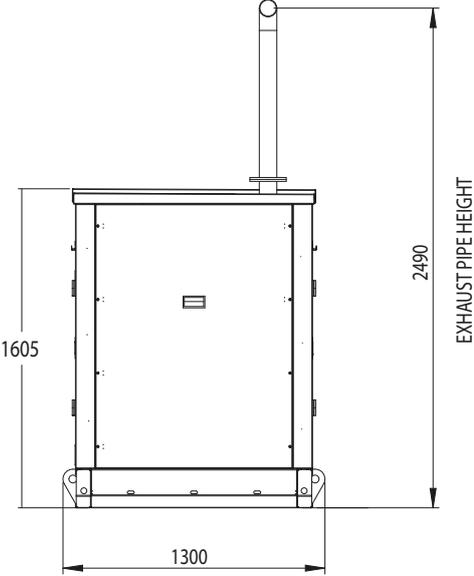
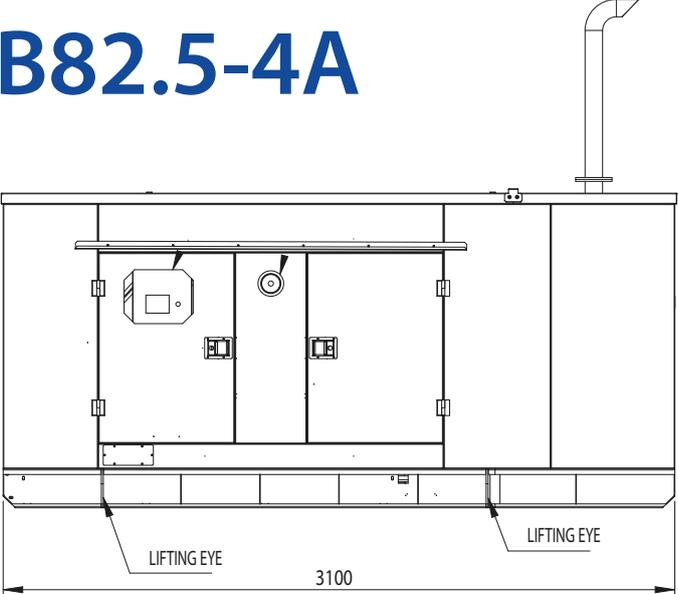


Genset Technical Data		Alternator Technical Data	
Genset Rating (kVA)	82.5	Alternator Make	Leroy Somer
No of Phases	3	No of Bearings	1
Power Factor	0.8	Alternator model	LSAP 44.3 B2
Voltage (V)	415/240	Alternator rating	82.5
Frequency (Hz)	50	Class of insulation	H
Controller Type	GC1206	Coupling details	SAE 3/10
Starting System	12V / 130 AH	Voltage Variation (%)	1
Genset Dry Weight (kg)	1300	Rated Full Load Current (A)	115
Noise @ 75% load (dBA)	< 75 @ 1m (As per ISO 8528-10)	Short circuit fault current(Xd")(kA)	0.126
Genset Dimensions (LxWxH) (mm)	3100 x 1300 x 1605		
Genset Dimensions (with Exhaust)	3100 x 1300 x 2490		
Battery Type	Lead Acid		
Circuit Breaker Rating (A)(3P/4P)	125/3P		
Engine Technical Data		Fuel & Oil Systems Technical Data	
Engine Model	H4G4DE82	Fuel System	CRS
Engine Speed (rpm)	1500	Type Of Fuel	Diesel
Engine Volume (l)	4	Genset Fuel Tank Capacity (l)	235
Gross Rated Power (kW/hp)	78/104	Fuel Consumption - @ 75% Load (l/hr)*	14.7
No. of cylinder	4	Lube Oil change period (hrs)	750 Hrs. or 1 Year
Bore (mm)xStroke(mm)	104 x 118	Oil Type	10W30 CK4
Compression Ratio	16.5 : 1	Oil Capacity (l)	12
Displacement (Litres)	4	Oil Consumption @100% load	< 0.1% of FC
Aspiration	TA		
Cooling System	Liquid Cooled		
Cooling System Capacity (l)	15.5		
Cooling System Capability	50 °C		
Governing	Electronic A0		
DEF tank Capacity(L)24	24		

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%

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