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