

Category: Power Generators

Caterpillar DE850E0 – C18 Diesel Power Generator

Caterpillar DE850E0 Diesel Generator

Ratings & Electrical

- **Prime Power:** 770 kVA / 616 kW
- **Standby Power:** 850 kVA / 680 kW
- **Frequency:** 50 Hz
- **Speed:** 1500 rpm
- **Voltage:** 400/230 V (3-phase)
- **Power Factor:** 0.8 (lagging)
- **Alternator Insulation:** Class H
- **Voltage Regulation:** ±1%

Engine / Mechanical

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- **Engine Model:** CAT C18 Diesel Engine
- **Configuration:** 4-stroke, 6-cylinder, inline, turbocharged & aftercooled
- **Displacement:** 18.1 L
- **Bore × Stroke:** 145 mm × 173 mm
- **Compression Ratio:** 16.0 : 1
- **Lubricating Oil Capacity:** ~80 L
- **Coolant Capacity:** ~100 L

Fuel & Consumption

- **Fuel Type:** Diesel
- **Fuel Consumption @100% Load:** ~520 L/h
- **Fuel Consumption @75% Load:** ~390 L/h
- **Fuel Tank Capacity:** ~3000 L (typical enclosure)

Cooling, Exhaust & Air

- **Exhaus**

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