



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

• 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)

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