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CAT E SERIES · 50 Hz · DIESEL GENERATOR SET

Cat DE850E0 850 kVA



Image is representative.

850 kVA
Standby power

680 kW
0.8 power factor

Cat C18
Engine

50 Hz / 1500 rpm
Frequency / speed

High power for large hotels, hospitals and critical facilities; the core unit of multi-generator synchronised systems.

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Generator set

Power (standby)	**850 kVA / 680 kW**
Prime power	**770 kVA / 616 kW**
Frequency / speed	**50 Hz / 1500 rpm**
Voltage	**200 – 400 V**
Phase / power factor	**3-phase / 0.8 pf**
Control panel	**GCCP 1.2**
Alternator	**A-Frame alternator, class H insulati…**
Emissions	**Low fuel consumption (low BSFC)**
Ambient temperature	**Up to 55 °C**

Engine

Engine	**Cat® C18**
Configuration	**In-line 6-cylinder, 4-stroke diesel**
Bore x stroke	**145 x 183 mm**
Displacement	**18.1 L**
Compression ratio	**14.5:1**
Aspiration	**Turbo, air-to-air aftercooled**
Fuel system	**Electronic unit injector (EUI)**
Governor	**Electronic – ADEM™ A4**

Standard equipment

- GCCP control panel
- 12-lead alternator, IP23 protection
- Voltage regulator
- IEC 3-pole circuit breaker
- Radiator with guarded cooling fan
- Caterpillar extended life coolant
- Air cleaner
- Industrial silencer
- Open-set base fuel tank / skid
- Vibration isolators
- 12 V battery, rack and cables
- Caterpillar yellow paint

Optional equipment and JUTEK solutions

- Earth fault / leakage protection
- Sound-attenuated enclosure
- Double-wall fuel tank
- Battery charger
- Alternator anti-condensation heater
- CE / EAC / GCC certification
- ATS transfer panel (JUTEK)
- Synchronising panel (JUTEK)

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