



CUMMINS C44D5E GENERATOR 44KVA SINGLE-PHASE/THREE-PHASE SILENCED

Reference: C44 D5e (B3.3)

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The CUMMINS C44D5E generator is equipped with a Cummins 4BTAA3.3-G14 engine powered by Diesel and is capable of delivering a maximum power of 44KVA, complete with Compound voltage regulator.

The Generator is equipped with an electric start and with low fuel consumption, in fact it consumes about 8 litres/hour at 75% of the load for an autonomy of up to 18 hours of operation. The generator set guarantees efficient and silent operation thanks to the Cummins 4BTAA3.3-G14 engine, which allows for the delivery of a maximum power of 44KVA.

Main generator components CUMMINS C44D5E:

Cooling system:

- Radiator mounted on the generator frame and cooled by the engine fan;
- Designed and tested for an ambient temperature of 55 °C;
- Mechanically operated centrifugal pump;
- 50/50 coolant (ethylene glycol);
- Coolant thermostatic preheating system.

Air intake:

- Normal Duty cartridge air filter, with clogging indicator;
- Turbocharger.

Electric motor system:

- 12 Vdc electric starter, coupled to the flywheel;
- 12 V, 65 Ah starter battery
- 35 A alternator for battery recharging;
- Rectifier for charging the batteries during the stand-by period.

Exhaust:

- Expansion compensator in stainless steel;
- Exhaust silencer, residential type, for noise reduction;
- Grilles protection for the hot parts.

Lubrication system:

- Oil filter;
- Crankcase ventilation.

Fuel supply:

- 150 liter tank which guarantees 18 hours of autonomy at 75% of the load;
- Diesel filter with separator;

- Filler cap with filter and vapor discharge;
- Turn/return the fuel lines;
- Drain cap.

Assembly

- Steel frame;
- Semi-rigid coupling, single bearing alternator;
- Anti-vibration pads between the engine/alternator unit and the frame.

TECHNICAL SPECIFICATIONS CUMMINS C44D5E

Phase type: Three-phase
 Continuous power: 40 KVA / 32 KW
 Maximum power: 44 KVA / 35 KW
 Engine: Cummins 4BTAA3.3-G14
 Power supply: Diesel
 Engine speed: 1500 rpm
 Regulation of revolutions: Mechanical
 Emissions standard: Stage Zero
 Starter: Electric / Automatic
 Voltage regulator: Compound
 Voltage: 400 V
 Frequency: 50 Hz
 Socket panel: Terminal block
 Tank capacity: 150 l
 Consumption at 75% of the load: 8.38 l/h
 Autonomy at 75% load: 17.9 h
 Sound pressure: 68dBA @ 7m
 Length: 2270 mm
 Width: 975 mm
 Height: 1920 mm
 Dry weight: 1236 kg

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Non-binding images and technical data

Technical Sheet

Phase	Three phase
Maximum power three phase (KW)	35
Continuous power three phase (KW)	32
Maximum power three phase (KVA)	44
Continuous power three phase (KVA)	40
Fuel	Diesel
Frequency (Hz)	50
Voltage (V)	400
Sockets configuration	Terminal box
Engine	Cummins 4BTAA3.3-G14
Emissions Regulations	Stage Zero

Engine rpm (rpm)	1500
Speed governor	Mechanical
Starting system	Electric Automatic/Manual
Number cylinders	4
Cylinders' position	In line
Alternator	Synchronous, brushless
Poles	4
Fuel tank capacity (L)	150
Consumption (L/h)	8.38 at 75% load
Running time (h)	17.9 at 75% load
Acoustic pressure	68 dB(A) at 7 m
Length (mm)	2270
Width (mm)	975
Height (mm)	1920
Dry weight (Kg)	1236
Silenced	Yes
Super silenced	Yes
Brushes	No
Product type	Generator
ATS Switch device	Optional ATS
Type of alternator	Constant Speed
Voltage regulator	Compound
Engine manufacturer	Cummins