



CUMMINS C66 D5e THREE-PHASED DIESEL POWER GENERATOR 66KVA SILENCED

Reference: C66 D5E

CUMMINS C66 D5 THREE-PHASE 66KVA SILENCED DIESEL GENERATOR SET

The special feature of Cummins generator sets is that they are manufactured using the engine, alternator, electrical control panel and other components built by Cummins Inc. companies.

Key features CUMMINS C66 D5

Cooling system - Standard system with integrated radiator, designed and tested for ambient temperatures.

Control System - PowerStart control, microprocessor based genset with a monitoring and control system providing a simple interface to the genset, manual and remote start/stop control and shutdown fault indication.

Silenced enclosure - High weather protection and great soundproofing.

Heavy-duty Cummins industrial 4-stroke diesel engine provides reliable, low-emission power with fast response time to load changes.

Optional Excitation Boost System (EBS) - Provides improved starting to minimise short circuits and engine failures.

Alternator - Several alternator sizes offer selectable engine starting capability with low reactance; low distortion waveform even with non-linear loads and fault and short circuit compensation capability.

On-board accessories

Lead batteries on board the unit (supplied without liquid); Mechanical radiator for ambient temperature to + 50°C.

Sheet steel base frame with tank welded inside, vibration dampers.

Soundproof enclosure complete with residential muffler according to European standards, made of 2 mm thick sheet steel, treated and painted for outdoor exposure; Engine coolant pre-heating system.

Automatic electrical panel (ATS excluded)

4-pole magneto-thermal protection switch

On-board control panel for generating set - PCC0500

Main control functions

- Digital measurement of AC output.

- Digital display of alarm and status messages.
- Generator set monitoring: Displays the status of all critical functions of the generator set engine and alternator.
- Advanced service and maintenance functions.

Controls and adjustments

- OFF/START/AUTO buttons
- Emergency stop "STOP" button

Used to stop the genset immediately and easily in the event of an emergency.

- Menu Settings for voltage, frequency, starting and stopping delay

Customer interface

- Communication protocol: Modbus RS 485 or RS 232
- 4 configurable input contacts
- 2 configurable output relays

Technical Sheet

Phase	Single phase / Three phase
Maximum power three phase (KW)	66
Continuous power three phase (KW)	48
Maximum power three phase (KVA)	60
Continuous power three phase (KVA)	53
Fuel	Diesel
Frequency (Hz)	50
Voltage (V)	230 / 400
Sockets configuration	Terminal box
Engine	4 stroke
Emissions Regulations	Stage 3A
Engine rpm (rpm)	1500
Speed governor	Mechanical
Starting system	Electric
Number cylinders	4
Cylinders' position	In line
Cooling	Coolant Liquid
Alternator	Synchronous, brushless

Poles	4
Bore x stroke (mm)	91.4x127
Fuel tank capacity (L)	
Consumption (L/h)	12 at 75% of the load / 16 at 100% of the load
Running time (h)	12.5 at 75% of the load
Length (mm)	2270
Width (mm)	975
Height (mm)	1920
Dry weight (Kg)	1511
Silenced	Yes
Super silenced	Yes
Brushes	No
Product type	Generator
Control unit	PowerStart 600
ATS Switch device	Optional ATS
Type of alternator	Constant Speed
Voltage regulator	AVR
Engine manufacturer	Cummins
Precision of voltage regulation	± 2,5%