



GENERATOR CUMMINS C55 D5e

Reference: C55 D5e

CUMMINS C55 D5 THREE-PHASE 55KVA SILENCED DIESEL GENERATOR SET

The Cummins C55 D5 three-phase 55kVA silenced diesel generator is a reliable and high-performance power system. It features a heavy-duty Cummins industrial 4-stroke diesel engine that provides low-emission power with fast response to load changes. The standard cooling system is designed and tested for ambient temperatures, while the PowerStart control system offers a simple interface for manual and remote start/stop control and shutdown fault indication.

The generator is housed in a high-weather protection silenced enclosure with excellent soundproofing. It comes with several alternator sizes that offer selectable engine starting capability with low reactance and a low distortion waveform, even with non-linear loads. An optional Excitation Boost System (EBS) provides improved starting to minimize short circuits and engine failures.

On-board accessories include lead batteries, a mechanical radiator for ambient temperature up to +50°C, and a sheet steel base frame with a welded tank inside and vibration dampers. The soundproof enclosure is complete with a residential muffler according to European standards and features a 2 mm thick sheet steel treated and painted for outdoor exposure. The engine coolant pre-heating system ensures efficient and reliable performance in any condition.

The generator features an automatic electrical panel with a 4-pole magneto-thermal protection switch and an on-board control panel for generating set - PCC0500. The main control functions include digital measurement of AC output, digital display of alarm and status messages, and generator set monitoring that displays the status of all critical functions of the generator set engine and alternator. The controls and adjustments include OFF/START/AUTO buttons, an emergency stop button, and menu settings for voltage, frequency, starting, and stopping delay.

The customer interface includes a communication protocol of Modbus RS 485 or RS 232, 4 configurable input contacts, and 2 configurable output relays. With its advanced technical features, construction by Cummins Inc. companies, and numerous functionalities, the Cummins C55 D5 generator is an ideal solution for any industrial or commercial power application that requires reliable and high-quality power supply.

[Other generators](#)

...

Technical Sheet

Phase	Single phase / Three phase
Maximum power three phase (KW)	44
Continuous power three phase (KW)	40
Maximum power three phase (KVA)	55

Continuous power three phase (KVA)	50
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
Length (mm)	2270
Width (mm)	975
Height (mm)	1920
Dry weight (Kg)	1414
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%