



## CUMMINS C550 D5 GENERATOR 500KVA THREE-PHASE DIESEL POWER SILENCED

Reference: C550 D5

### GENERATOR CUMMINS C550 D5

The CUMMINS C550 D5 generator set is three-phase Diesel 500 KVA silenced. The particularity of the Cummins generator sets is that they are made using the engine, alternator, electrical control panel and other components built by companies of the Cummins Inc Group.

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

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

The heavy-duty Cummins industrial engine, a robust 4-stroke diesel, provides reliable power, with low emissions and with rapid response times to load changes.

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

Different alternator sizes offer selectable engine starting capability with low reactance; with low distortion waveform even with non-linear loads and ability to compensate for faults and short-circuits.

Soundproof hood complete with residential muffler according to European legislation, made of sheet metal with a thickness of 2 mm, treated and painted for outdoor exposure; Engine coolant pre-heating system.

Main control functions:

- Digital measurement of AC output.
- Digital display of alarm and status messages.
- Genset monitoring: Displays the status of all critical engine and alternator functions in the set generator.
- Advanced service and maintenance functions.

Controls and Adjustments

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

Used to immediately and easily stop the generator set in an emergency.

- Settings menu for voltage, frequency, start and stop delay

#### Client interface

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

#### TECHNICAL SPECIFICATIONS CUMMINS C550 D5

Phase Type: Three Phase  
Continuous Power: 500 KVA / 400 KW  
Maximum Power: 550 KVA / 440 KW  
Engine: Cummins QSZ13-G10  
Power Supply: Diesel  
Engine RPM: 1500 rpm  
RPM Adjustment: Mechanical  
Alternator: Stamford UC224F  
Emission standard: Stage Zero  
Starter: Electric / Automatic  
Voltage Regulator: Compound  
Voltage: 400 V  
Frequency: 50 Hz  
Socket panel: Terminal block  
Consumption at 75 % of load: 70 l/h  
Length: 5095 mm  
Width: 1564 mm  
Height: 2191 mm  
Dry weight: 5439 kg

Are you looking for a generator with different technical characteristics? [HERE](#) you can find the entire range of CUMMINS generators and other specialized brands.

Non-binding images and technical data

#### Technical Sheet

| Phase                              | Three phase  |
|------------------------------------|--------------|
| Maximum power three phase (KW)     | 440          |
| Continuous power three phase (KW)  | 400          |
| Maximum power three phase (KVA)    | 550          |
| Continuous power three phase (KVA) | 500          |
| Fuel                               | Diesel       |
| Frequency (Hz)                     | 50           |
| Voltage (V)                        | 400          |
| Sockets configuration              | Terminal box |
| Engine                             | 4 stroke     |
| Emissions Regulations              |              |
| Engine rpm (rpm)                   | 1500         |
| Speed governor                     | Mechanical   |
| Number cylinders                   | 6            |

|                                 |                |
|---------------------------------|----------------|
| Cylinders' position             | In line        |
| Cooling                         | Air            |
| Poles                           | 4              |
| Bore x stroke (mm)              |                |
| Length (mm)                     |                |
| Width (mm)                      |                |
| Height (mm)                     |                |
| Dry weight (Kg)                 |                |
| Silenced                        | Yes            |
| Brushes                         | No             |
| Product type                    | Generator      |
| Control unit                    |                |
| ATS Switch device               | Optional ATS   |
| Type of alternator              | Constant Speed |
| Engine manufacturer             | Cummins        |
| Precision of voltage regulation | ± 2,5%         |