



CUMMINS C450D5Q GENERATOR 450KVA SINGLE/THREE PHASE SILENCED

Reference: C450D5Q S

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The CUMMINS C450D5Q generator is equipped with a Cummins QSG12-G4 diesel-powered engine and is capable of delivering a maximum output of 450KVA, complete with AVR voltage regulator.

The CUMMINS C450D5Q is equipped with the **PowerCommand 2.2 unit**, which enables the display of all electrical parameters of the engine and generator, the functions, statuses of the genset, the complete management of the genset, and the display of system errors or alarms should they occur. The unit provides a simple interface, automatic/manual and remote start/stop control and shutdown fault indication. The integration of all functions in a single control provides greater reliability and performance than conventional genset control systems.

Standard features of the Cummins C450D5Q generator include the Cummins diesel engine, a robust industrial 4-stroke that ensures reliable power generation and fast responsiveness to load changes. The alternator, part of the Stamford S series, is self-exciting, ensuring efficient generation. An optional permanent magnet alternator is also available.

Control is via the microprocessor-based PowerCommand monitoring, which ensures accurate genset control. Open and encapsulated versions of the genset are available.

The Cummins C450D5Q generator is backed by a comprehensive warranty and an extensive network of distributors and dealers. In addition, the engine is equipped with a 230 V coolant heater as standard, which ensures starting even in low ambient temperatures by circulating the heated coolant inside.

In addition, it is equipped with an automatic start via the ATS panel, which allows autonomous start-up in the event of a power failure.

Thanks to the advanced unit, the generator is equipped with :

- PC-based software service tool
- Inpower Modbus interface for interconnection with PLC/BMS
- Configurable inputs and outputs
- Configurable alarm inputs to trigger a shutdown or warning response

ATS AUTOMATIC TRANSFER SWITCH ARRANGEMENT

The CUMMINS C450D5Q generator is prepared for connection to the Automatic Transfer Switch ATS. Thanks to which you no longer have to worry about blackouts, since in the event of a power failure this panel is able to switch on the unit and allow you to continue your activity without losing your work data.

CUMMINS C450D5Q TECHNICAL CHARACTERISTICS

Phase type: Single-phase / Three-phase
 Continuous power: 409 KVA / 327 KW
 Maximum Power: 450 KVA / 360 KW
 Engine: Cummins QSG12-G4
 Power supply: Diesel
 Engine speed: 1500 rpm
 Speed control: Mechanical
 Alternator: Stamford S4L1D-G41
 Emission standard: Not Emitted
 Starter: Electric / Automatic
 Voltage regulator: AVR
 Voltage: 230/400 V
 Frequency: 50 Hz
 Socket panel: Terminal box
 Tank capacity: 995 l
 Consumption at 75 % load: 62.19 l/h
 Autonomy at 75 % load: 16 h
 Length: 4015 mm
 Width: 1400 mm
 Height: 2495 mm
 Dry weight: 3840 kg

Looking for a generator with different technical characteristics? [HERE](#) you can find the full range of CUMMINS generators and other specialised brands.

Images and technical data are not binding and may be subject to revision by the manufacturer.

Technical Sheet

Phase	Single phase / Three phase
Maximum power three phase (KW)	
Continuous power three phase (KW)	327
Maximum power three phase (KVA)	450
Continuous power three phase (KVA)	409
Fuel	Diesel
Frequency (Hz)	50
Voltage (V)	230 / 400
Sockets configuration	Morsettiera
Engine	4 Tempi
Emissions Regulations	NON EMISSIONATO
Engine rpm (rpm)	1500
Speed governor	Mechanical
Number cylinders	6
Cylinders' position	In line
Cooling	Liquid
Poles	4

Bore x stroke (mm)	132 x 144
Fuel tank capacity (L)	995
Consumption (L/h)	62.19 to 75% of the load
Running time (h)	16 to 75% of the load
Acoustic pressure	71 dB(A) at 7 m
Length (mm)	4015
Width (mm)	1400
Height (mm)	2495
Dry weight (Kg)	3840
Silenced	Yes
Brushes	No
Product type	Generator
Control unit	PowerCommand 2.2
ATS Switch device	Optional ATS
Voltage regulator	AVR
Engine manufacturer	Cummins
Precision of voltage regulation	± 1%