



CUMMINS C550D5Q Generator Set 550KVA OPEN Version

Reference: C550D5Q-Aperto

CUMMINS C550D5Q GENERATOR SET 550KVA OPEN VERSION

The CUMMINS C550D5Q Generator Set 550KVA Open Version is an energy generation system designed to ensure maximum reliability, efficiency, and excellent performance in industrial and commercial applications. Thanks to its open configuration, this CUMMINS C550D5Q offers easy access for maintenance and optimal ventilation management, making it the ideal solution for installations in controlled environments.

The cooling system is equipped with a radiator installed directly on the generator set's frame, designed and tested to ensure effective heat dissipation even in specific environmental conditions. This configuration optimizes thermal management and simplifies design requirements for heat disposal.

The engine is equipped, as standard, with a 230 V coolant heater, designed to ensure safe and efficient starting even in low temperatures. This innovative system heats the coolant, allowing uniform circulation within the engine and ensuring smooth operation even in cold environments. Thanks to the heater, it is possible to maintain high performance and reliability in any climatic condition.

Technical Features of the CUMMINS C550D5Q Generator Set 550KVA Open Version

Engine: Cummins QSZ13-G10, 4-stroke, inline, turbocharged and air-cooled

Alternator: Stamford S5L1S-D4 brushless, single bearing, rotating field

Maximum Power: 550 KVA / 440 KW

Continuous Power: 500 KVA / 400 KW

Frequency: 50Hz

Voltage: 230 / 400 V

Engine RPM: 1500 rpm

Displacement: 13 liters

Number of Cylinders: 6

Voltage Regulation: $\pm 1\%$ with electronic AVR system

Frequency Regulation: Isochronous with variation of $\pm 0.25\%$

Fuel Tank Capacity: 995 L

Fuel Consumption at 75% PRP: 77.1 L/h

Cooling: Radiator at 50°C ambient

Dry Weight: 4505 Kg

Dimensions (L x W x H): 4515 x 1770 x 2390 mm

Performance and Reliability

The CUMMINS C550D5Q Generator Set 550KVA Open Version is designed for emergency and continuous use applications, offering a rapid response to load changes. Thanks to its latest-generation Cummins engine, it ensures high operational efficiency and low fuel consumption. The absence of a canopy reduces weight and allows more effective cooling, ensuring high performance even in challenging environmental conditions.

Intelligent Control System

The CUMMINS C550D5Q is equipped with the PowerCommand® 2.2 control system, which allows advanced monitoring and precise control of voltage, engine protection, and intelligent power management. The backlit LCD display enables easy reading of operating parameters, while Modbus support and PCC NET allow remote monitoring.

Advantages of the Open Version

Ease of maintenance and access to components

Improved cooling thanks to free airflow circulation

Lower weight compared to the soundproof version

Ideal for installations in controlled environments or engine rooms

Applications

The CUMMINS C550D5Q Generator Set 550KVA Open Version is ideal for:

Industrial and manufacturing sector

Large plants and production facilities

Logistics and commercial centers

Construction industry and building sites

Hospitals and healthcare facilities

Conclusion

If you're looking for a reliable, powerful, and easy-to-maintain generator set, the CUMMINS C550D5Q Generator Set 550KVA Open Version is the ideal solution to ensure operational continuity and energy security.

Looking for a Generator Set with different technical specifications? [HERE](#) you can find the entire range of CUMMINS generators and other specialized brands.

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

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)	230 / 400
Engine	Cummins QSZ13-G10, 4-stroke, in-line, turbocharged and charge air-cooled
Emissions Regulations	Stationary Use
Engine rpm (rpm)	1500
Number cylinders	6
Cylinders' position	In line
Cooling	Radiator
Alternator	Stamford S5L1S-D4
Tank capacity (L)	995
Consumption (L/h)	70.2 at 75% load
Length (mm)	4515
Width (mm)	1770
Height (mm)	2390
Dry weight (Kg)	4505
Silenced	No
Brushes	No
Product type	Generator
Control unit	PowerCommand 2.2
Engine manufacturer	Cummins
Precision of voltage regulation	± 1%
Bore (mm)	130