

## 275 kW Cummins Powered Fully Packaged Diesel Generator

The XC Power Generation AC commercial series generator set is a fully integrated power generation system providing optimum performance with the reliability and versatility of a Cummins Engine.

All XC units meet the following standards: VDE 0530, BS 4999, BS 5000, IEC 34. Manufactured in accordance with ISO 9001.

Optional sound attenuated weather-protective enclosures are available to shield the generator set from extreme operating conditions.

Diesel powered generator sets remain the number-one choice for standby and emergency power systems worldwide. XC diesel generator sets are the epitome of rugged dependability and reliable mechanical and electrical performance.

### Standard Features

- ▶ Electric Starter
- ▶ Electronic Governor
- ▶ Single Bearing Alternator
- ▶ Insulation class H/H
- ▶ Skid Mounted with Vibration Isolators
- ▶ Dry Type Air Filter
- ▶ Main Line Circuit Breaker
- ▶ Battery Rack and Cables
- ▶ User Manual
- ▶ Heavy Duty Fabricated Steel Base Frame
- ▶ 8 Hour Base Mounted Fuel Tank
- ▶ One Year Limited Warranty
- ▶ Deep Sea Control Panel

### Model XC275



- ▶ High quality and reliable
- ▶ Compact design
- ▶ Easy start and maintenance possibility
- ▶ Every gen-set is subject to a comprehensive test program which includes full and overload testing, checking and proving of all control and safety shut down functions

Powered By: CUMMINS

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## GENERATOR ENGINE

Cummins heavy-duty diesel engines use advanced combustions technology for reliable and stable power, low emissions, and fast response to sudden load changes.

Electronic governing is available for applications requiring constant (isochronous) frequency regulation such as Uninterruptible Power Supply (UPS) systems, non-linear loads, or sensitive electronic loads. Electronic governing is standard on 100 kW and up. Optional coolant heaters are recommended for all emergency standby installations or for any application requiring fast load acceptance after startup.

Base Engine	Cummins Model NT855G6 Turbocharged
Displacement in3 (L)	855.0 (14.0)
Overspeed Limit, RPM	2100
Regenerative Power, kW	44.00
Cylinder Block Configuration	Cast Iron, In-Line 6 Cylinder
Cranking Current	565 Amps at Ambient Temp. 32°F (0°C)
Battery Charging Alternator	45 Amps
Starting Voltage	24 Volt, Negative Ground
Lube Oil Filter Types	Single Spin-On Canister, Full Flow
Standard Cooling System	122°F (50°C) Ambient Radiator

Power Output	Standby	Prime
Gross Engine Output	435.0 bhp (324.5 kWm)	395.0 bhp (294.7 kWm)
BMEP at Rated Load	213.0 psi (1468.6 kPa)	194.0 psi (1337.6 kPa)
Bore	5.50 in. (139.7 mm)	5.50 in. (139.7 mm)
Stroke	6.00 in. (152.4 mm)	6.00 in. (152.4 mm)
Piston Speed	1800.0 ft/min (9.1 m/s)	1800.0 ft/min (9.1 m/s)
Compression Ratio	14.0:1	14.0:1
Lube Oil Capacity	40.0 qt (37.9 L)	40.0 qt (37.9 L)

Fuel Flow	Standby	Prime
Fuel Flow at Rated Load	76.0 Gal/hr (287.7 L/hr)	76.0 Gal/hr (287.7 L/hr)
Maximum Inlet Restriction	4.0 in. Hg (101.6 mm Hg)	4.0 in. Hg (101.6 mm Hg)
Maximum Return Restriction	6.0 in. Hg (152.4 mm Hg)	6.0 in. Hg (152.4 mm Hg)

Air Cleaner	Standby	Prime
Maximum Air Cleaner Restriction	25.0 in. H2O (6.2 kPa)	25.0 in. H2O (6.2 kPa)

Exhaust	Standby	Prime
Exhaust Flow at Rated Load	2380.0 cfm (67.4 m <sup>3</sup> /min)	2270.0 cfm (64.2 m <sup>3</sup> /min)
Exhaust Temperature	975.0°F (523.9°C)	950.0°F (510.0°C)
Max Back Pressure	41.0 in. H2O (10.2 kPa)	41.0 in. H2O (10.2 kPa)

<b>Fuel System</b>	Direct Injection, Number 2 Diesel, Fuel Filter; Water Separator; Automatic Electric Fuel Shutoff
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### RATING DEFINITIONS

Standby Rating based on: Applicable for supplying emergency power for the duration of normal power interruption. No sustained overload capacity is available for this rating.

Prime Rating based on: Applicable for supplying power in lieu of commercially purchased power. Continuous running at variable load for unlimited periods with 10% overload available 1 hour in any 12 hour period.



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### Optional Features

- ▶ Electronic Governor Control System
- ▶ Automatic Fuel Filling System
- ▶ Engine Oil Heater
- ▶ Remote Radiator
- ▶ Low Fuel Level Alarm
- ▶ Charge Voltmeter
- ▶ Charge Ammeter
- ▶ Critical Silencer
- ▶ Enclosure or Soundproof Canopy
- ▶ Residential Silencer
- ▶ PMG
- ▶ Tool Kit



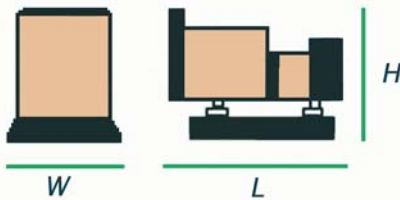
- ▶ U.L. Breaker
- ▶ Anti Condensation Heater for Alternator
- ▶ Sub-base, Remote, or Day Fuel Tank
- ▶ 4 Pole Contactor
- ▶ Oversized Alternator
- ▶ Automatic Transfer Switch
- ▶ Trailer
- ▶ Remote Monitoring System
- ▶ NFPA Controls
- ▶ Manual Sump Oil Drain Pump
- ▶ And More



control your generator remotely



### DIMENSIONS (Open Unit)

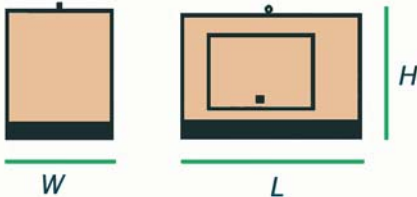


Size (L x W x H) in Inches  
130" x 49.3" x 78.8"

Dry Weight in Pounds (lbs)  
5777 lbs.



### DIMENSIONS (Enclosed Unit)



Size (L x W x H) in Inches  
171.26" x 53.15" x 86.25"

Dry Weight in Pounds (lbs)  
8247 lbs.



Design and specifications subject to change without notice. Dimensions shown are approximate. Contact your dealer for more information. **DO NOT USE THESE DIMENSIONS FOR INSTALLATION PURPOSES.**