



# 6C-CP

## Marine Generator Sets

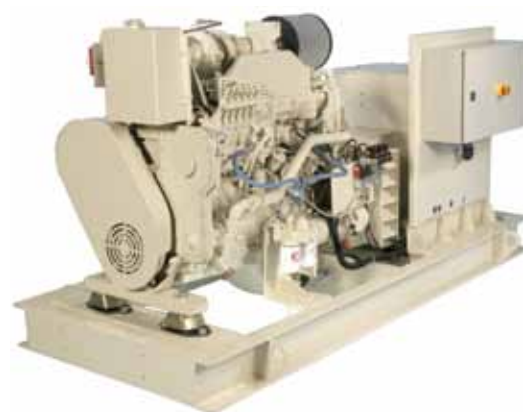
### Specifications

<b>Engine Model</b>	Cummins 6CTA8.3-D(M)
<b>Alternator</b>	Newage UCM274H
<b>AVR Type</b>	MX341
<b>Operating Fuel</b>	#2 Diesel, MGO
<b>Agency Approvals</b>	ABS, BV, DNV, GL, LR
<b>Emissions</b>	IMO Tier I

### Dimensions

<b>Length</b>	2400 mm	94 in
<b>Width</b>	1250 mm	49 in
<b>Height</b>	1270 mm	50 in
<b>Weight</b>	1720 kg	3792 lb

Dimensions and weight may vary based on selected engine configuration



### Ratings

Model	Power* @ RPM	kV-A @ 0.8 pf	Frequency	Voltage	Fuel Consumption	
					Rated Speed L/hr (gal/hr)	ISO** L/hr (gal/hr)
6C-CP	136 kWe @ 1500	170	50 Hz	380, 400, 415	41.3 (10.9)	20.5 (5.4)
6C-CP	160 kWe @ 1800	200	60 Hz	416	46.6 (12.3)	23.4 (6.2)
6C-CP	170 kWe @ 1800	213	60 Hz	440, 460, 480	46.6 (12.3)	23.4 (6.2)

\* kWe reflects the approximate amount of power available when used in a keel cooled genset configuration

\*\* Average fuel consumption based on ISO 8178 E3 Standard Test Cycle (variable speed models) and ISO 8178 D2 Standard Test Cycle (fixed speed models)

The Right Technology. **Matters.**

# 6C-CP

## C Power Design Features

- World-class Cummins diesel engines matched to industry-leading Cummins alternators. Designed, integrated and assembled for optimal efficiency and performance
- Engineered for the tough demands of the marine environment with superior durability and high uptime requirements
- Simplified vessel integration with less complex mechanical connections
- Available with multi-station alarm and monitoring panels via a local digital network to match application requirements
- Integrated alarm system can be configured to communicate with ship's central data systems
- Flexible configurations available to customize the generating set to the vessel's operation requirements
- Comprehensive warranty applies to entire generating set and is valid globally

## Engine Features

- Rugged in-line, six cylinder turbocharged diesel engine with mechanical fuel system provides excellent fuel economy and low maintenance requirements. Optional electronic speed governor
- Available in heat exchanger or keel cooled configurations
- Conforms to SOLAS surface temperature requirements and classifiable for Unmanned

Machinery Space (UMS) applications as defined by IACS society rules

- IMO emissions certified by Lloyd's Register; Classification Society type approvals available
- Classed level units fitted with superior aluminum extruded wiring harness, duplex filtration and type-approved hardware

## Alternator Features

- 12 wire, 3-phase alternator provides a broad range of re-connectable outputs
- Designed specifically for marine applications with an IP23 rating
- Single bearing close coupled permanent magnet generator provides constant excitation under all conditions
- Standard 2/3 pitch windings avoid excessive neutral currents
- Classifiable for Unmanned Machinery Space (UMS) applications as defined by IACS society rules
- Dynamically balanced rotors with sealed-for-life ball bearings
- Integrated anti-condensation heaters and two sets of thermistors



Cummins Inc.  
4500 Leeds Avenue - Suite 301  
Charleston, SC 29405-8539  
U.S.A.

Internet: [marine.cummins.com](http://marine.cummins.com)  
Email: [wave.master@cummins.com](mailto:wave.master@cummins.com)

Bulletin M10068 Printed in U.S.A. REV 11/10  
©2010 Cummins Inc.

