



# 6B-CP

## Marine Generator Sets

### Specifications

<b>Engine Model</b>	Cummins 6BT5.9-D(M)
<b>Alternator</b>	Newage UCM274E
<b>AVR Type</b>	MX341
<b>Operating Fuel</b>	#2 Diesel, MGO
<b>Agency Approvals</b>	ABS, BV, DNV, GL, LR
<b>Emissions</b>	Not certified

### Dimensions

<b>Length</b>	2240 mm	88 in
<b>Width</b>	1250 mm	49 in
<b>Height</b>	1270 mm	50 in
<b>Weight</b>	1270 kg	2800 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)
6B-CP	80 kWe @ 1500	100	50 Hz	380, 400, 415	22.4 (5.9)	11.3 (3.0)
6B-CP	99 kWe @ 1800	124	60 Hz	416, 440, 460, 480	27.1 (7.2)	14.0 (3.7)

\* 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)

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## 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

- 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



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Bulletin M10066 REV 9/12  
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