



6C-CS

Marine Generator Sets

Specifications

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



Dimensions

Length	2550 mm	100 in
Width	1250 mm	49 in
Height	1480 mm	58 in
Weight	1850 kg	4079 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-CS	136 kWe @ 1500	170	50 Hz	380, 400, 415	41.3 (10.9)	20.5 (5.4)
6C-CS	152 kWe @ 1800	190	60 Hz	416, 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-CS

C Safe Design Features

- World-class Cummins diesel engines matched to industry-leading Cummins alternators. Engineered for ultimate reliability to back up primary ship's power
- Independent controls ensure the set is ready on the board when it is most needed
- Cost-efficient solution with minimized maintenance and service requirements
- 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 designed for reliability and low maintenance requirements. Optional electronic speed governor
- Set-mounted radiator cooling with 50°C air blower fan
- Fitted with an independent start system not dependent on ship's start systems or "changing out starter" methods

- 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 feature UMS engine monitoring and control system with spring starter and dual port flywheel housing
- 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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