



6B-CS

Marine Generator Sets

Specifications

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



Dimensions

| | | |
|---------------|---------|---------|
| Length | 2320 mm | 91 in |
| Width | 1250 mm | 49 in |
| Height | 1280 mm | 50 in |
| Weight | 1370 kg | 3020 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-CS | 74 kWe @ 1500 | 93 | 50 Hz | 380, 400, 415 | 22.4 (5.9) | 11.3 (3.0) |
| 6B-CS | 92 kWe @ 1800 | 115 | 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)

The Right Technology. **Matters.**

6B-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
- 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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