

QSM11-CP

Marine Generator Sets IMO Tier II and EPA Tier 2 certified

Specifications

Engine Model	Cummins QSM11-DM
Alternator	HCM434F1
AVR Type	MX321
Operating Fuel	#2 Diesel, MGO
Agency Approvals	ABS, BV, DNV, LR
Emissions	IMO Tier II and EPA Tier 2



Dimensions

Length	2622 mm
Width	1467 mm
Height	1490 mm
Weight	2850 kg

Dimensions and weight may vary based on selected engine configuration

Ratings

Model	Power* @ RPM	kV-A @ 0.8 pf	Frequency	Voltage	Engine Fuel Consumption	
					Rated Speed L/hr (gal/hr)	ISO** L/hr (gal/hr)
QSM11-CP	250 kWe @ 1500	310	50 Hz	380, 400, 415, 440	65.0 (17.2)	32.1 (8.5)
QSM11-CP	300 kWe @ 1800	375	60 Hz	440, 480	78.6 (20.8)	39.2 (10.4)

* 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

- Designed, integrated and assembled by the Cummins Commercial Marine Center of Excellence for optimal efficiency and performance
- Engineered for the tough demands of marine applications
- 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 vessel operating requirements
- Comprehensive warranty applies to entire generating set and is valid globally

Engine Features

- **Electronics** - Quantum System electronics and skid-mounted panel system control performance by monitoring critical operating parameters
- **Fuel System** - Reliable Cummins CELECT fuel system offers precise fuel injection for reduced smoke and responsive performance
- **Lubrication System** - Standard capacity 34 L marine grade oil pan. Spin-on Cummins filters available handed or remote mounted for installation flexibility. Skid-mounted duplex oil filters to meet classification society requirements
- **Exhaust System** - SOLAS compliant, jacket water cooled exhaust manifold maximizes fuel economy and improves performance
- **Air Intake System** - Water cooled turbocharger optimized for marine applications. Low temperature aftercooling for optimal performance and durability. Seawater aftercooling for optimal performance on heat exchanger configurations
- **Certification** - Consult your local Cummins professional for a complete listing of current marine agency approvals

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 rules
- Dynamically balanced rotors with sealed-for-life ball bearings
- Integrated anti-condensation heaters and two sets of thermistors