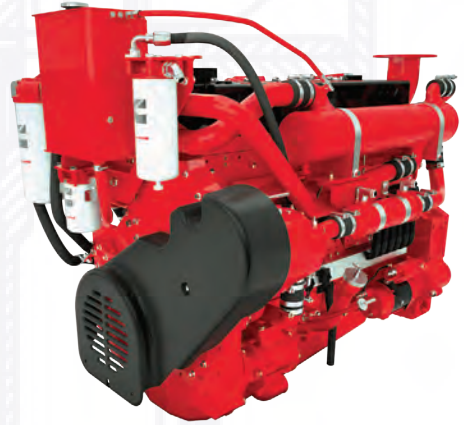


# QSM11

## Marine Propulsion and Auxiliary Engines for Commercial and Government Applications

### General Specifications

Configuration	In-line, 6-cylinder, 4-stroke diesel
Aspiration	Turbocharged / Aftercooled
Displacement	10.8 L
Bore & Stroke	125 X 147 mm
Rotation	Counterclockwise facing flywheel
Fuel System	Select



### Product Dimensions and Weight

Overall Length	mm	1475
Length of Block	mm	945.9
Overall Width	mm	1081
Overall Height	mm	1039
Weight	kg	1118

Dimensions and weight may vary based on selected engine configuration.

### Power Ratings

Engine Model	Output Power			Engine Speed RPM	Rating Definition	Fuel Consumption		Emissions		
	KW	MHP	BHP			Rated Speed L/hr (gal/hr)	ISO* L/hr (gal/hr)	IMO	EPA	EU
<b>Variable Speed</b>										
QSM11**	220	300	295	1800	Continuous	55.2 (14.6)	39.4 (10.4)	2	—	3a
QSM11**	261	355	350	1800	Continuous	67.6 (17.9)	83.9 (22.2)	2	3	3a
QSM11**	297	405	398	1800	Continuous	80.4 (21.2)	54.2 (14.3)	2	3	3a
QSM11**	297	405	398	1800	Continuous	75.1 (19.8)	51.9 (13.7)	2	—	3a
QSM11**	298	405	400	2100	Heavy Duty	75.4 (19.9)	52.5 (13.9)	2	—	3a
QSM11**	298	405	400	2100	Heavy Duty	80.6 (21.3)	54.3 (13.9)	2	3	3a
QSM11**	336	455	450	2100	Medium Continuous	87.6 (23.1)	59.3 (15.7)	2	—	3a
QSM11**	336	455	450	2100	Medium Continuous	92.5 (24.4)	60.9 (16.1)	2	3	3a
QSM11**	449	610	602	2300	Intermittent	112.5 (29.7)	75.8 (20.0)	2	3	3a
QSM11	493	670	661	2300	Government Services	128.1 (33.9)	83.9 (22.2)	2	3	3a
QSM11	526	715	705	2500	Government Services	141.0 (37.3)	92.6 (24.4)	2	3	3a
<b>Fixed Speed</b>										
QSM11-DM	265	360	355	1500 (50 Hz)	Prime Power	65.0 (17.2)	32.1 (8.5)	2	—	—
QSM11-DM	265	360	355	1800 (60 Hz)	Prime Power	65.4 (17.3)	33.7 (8.9)	2	—	—
QSM11-DM	265	360	355	1800 (60 Hz)	Prime Power	68.2 (18.0)	35.3 (9.3)	2	3	—
QSM11-DM	317	431	425	1800 (60 Hz)	Prime Power	78.6 (20.8)	39.2 (10.4)	2	—	—
QSM11-DM	317	431	425	1800 (60 Hz)	Prime Power	82.9 (21.9)	41.6 (11.0)	2	3	—

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

\*\* Heat exchanged configuration

# QSM11

## Marine Propulsion and Auxiliary Engines for Commercial and Government Application

### Features and Benefits

**Engine Design** – Robust engine block designed for continuous duty operation and long life. Single cylinder head with four valves per cylinder enhances performance. Meets SOLAS requirements for surface temperatures

**Fuel System** – Cummins Celect, a full authority electronic unit injection fuel system optimizes combustion for increased engine performance and fuel efficient operation

**Lubrication System** – Cast aluminum oil pan designed to resist corrosion, spin-on Fleetguard oil filters

**Cooling System** – Low profile, heat exchanger configuration with standard closed crankcase ventilation system

**Air System** – Cummins Turbo Technologies turbocharger optimized for marine applications. Marine grade air filter. Large capacity sea water aftercooler

**Exhaust System** – SOLAS compliant, wet exhaust manifold maximizes fuel economy and improves performance

**Electrical System** – 12v and 24v systems available, marine grade wiring harness and instrument panels

**Electronics** – Quantum System electronics control engine performance by monitoring critical operating parameters. Benefits include complete engine protection, minimal smoke and optimized fuel consumption.

**Certifications** – Consult your local Cummins professional for a complete listing of current marine agency approvals for this engine.

### Optional Equipment

- Engine Controls: Digital Throttle and Shift (DTS) or Electronic Throttle and Shift (ETS) and optional potentiometer for mechanical controls
- Instrumentation: SmartCraft<sup>®</sup> digital displays (propulsion engine only) and/or C Command analog gauges provide data on engine speed, oil pressure, engine load and more
- Vessel System Integration: SmartCraft<sup>®</sup> monitors fluid level, vessel range, depth, vessel speed, rudder position, temperatures and more on propulsion engine only
- Accessory Drive Pulley: Belt or gear driven
- Hydraulic Pump Drive: SAE A or SAE B flange, wet and dry exhaust connections