

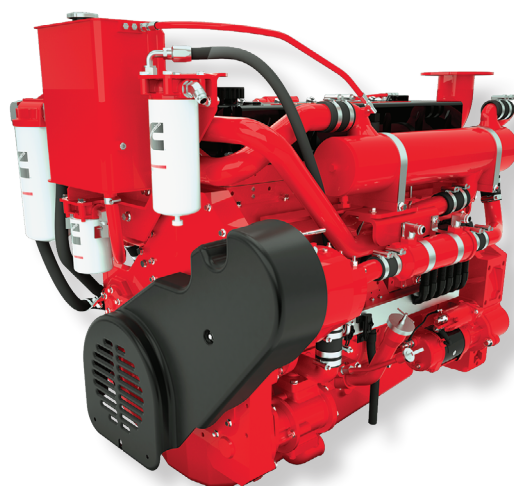


QSM11

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 (661 in ³)
Bore & Stroke	125 X 147 mm (4.92 X 5.79 in)
Rotation	Counterclockwise facing flywheel
Fuel System	Inject



Product Dimensions and Weight

Overall Length	mm (in)	1475	(58)
Length of Block	mm (in)	945.9	(37.24)
Overall Width	mm (in)	1081	(43)
Overall Height	mm (in)	1039	(41)
Weight	kg (lb)	1118	(2464)

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	RCD
Variable Speed											
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**	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	—
Fixed Speed											
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

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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 Celec, 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® 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® 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

