

QSM11

MARINE PROPULSION AND AUXILIARY ENGINES

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	Cummins CELECT

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)



POWER RATINGS

Engine Model	Output Power		Engine Speed RPM	Rating Definition	Fuel Consumption				Emissions		
	kW	MHP			Rated Speed L/hr (gal/hr)	ISO* L/hr (gal/hr)	IMO	EPA	EU		
Variable Speed											
QSM11**	220	300	1800	Continuous	55.2	14.6	39.4	10.4	2	—	—
QSM11**	260	355	1800	Continuous	67.6	17.9	46.1	12.2	2	3	—
QSM11**	298	405	2100	Heavy Duty	75.2	19.9	52.5	13.9	2	—	—
QSM11**	298	405	2100	Heavy Duty	80.6	21.3	54.3	14.4	2	3	—
QSM11**	336	455	2100	Med. Continuous	87.6	23.1	59.3	15.7	2	—	—
QSM11**	334	455	2100	Med. Continuous	92.5	24.4	60.9	16.1	2	3	—
QSM11**	449	610	2300	Intermittent	112.5	29.7	75.8	20.0	2	3	—
QSM11	493	670	2300	Light Duty	128.1	33.9	83.9	22.2	2	3	—
QSM11	526	715	2500	Light Duty	139.2	36.8	92.6	24.5	2	3	—
Fixed Speed											
QSM11-DM	265	355	1500	Prime	65.0	17.2	32.1	8.5	2	—	—
QSM11-DM	265	355	1800	Prime	65.4	17.3	33.7	8.9	2	—	—
QSM11-DM	265	355	1800	Prime	68.2	18.0	35.3	9.3	2	3	—
QSM11-DM	317	425	1800	Prime	78.6	20.8	39.2	10.4	2	—	—
QSM11-DM	317	425	1800	Prime	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 Cycle (fixed speed models).

**Heat exchanged configuration.

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.

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

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

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

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

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

Certifications – Marine Classification Society approvals from IACS members and SOLAS compliant configurations available.

Consult your local Cummins professional for a complete listing of available class approvals.

OPTIONAL EQUIPMENT

- Engine Controls
- Instrumentation
- Vessel System Integration
- Accessory Drive Pulley
- Hydraulic Pump Drive



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QSM11

MARINE PROPULSION AND AUXILIARY ENGINES

RECREATIONAL 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	Cummins CELECT

PRODUCT DIMENSIONS AND WEIGHT

Overall Length	mm (in)	1495.2 (58.87)
Length of Block	mm (in)	945.9 (37.24)
Overall Width	mm (in)	1253.7 (49.36)
Overall Height	mm (in)	1142.8 (44.99)
Weight	kg (lb)	1188 (2620)



POWER RATINGS

Engine Model	Output Power		Engine Speed RPM	Rating Definition	Fuel Consumption				Emissions			
	kW	MHP			Rated Speed L/hr (gal/hr)	ISO* L/hr (gal/hr)		IMO	EPA	EU	RCD	
Variable Speed												
QSM11	220	300	1800	High Output	55.2	14.6	39.4	10.4	2	—	—	2
QSM11	261	355	1800	High Output	65.3	17.2	45.8	12.1	2	—	—	2
QSM11	298	405	2100	High Output	75.4	19.9	52.5	13.9	2	—	—	2
QSM11	336	455	2100	High Output	87.6	23.1	59.3	15.7	2	—	—	2
QSM11	449	610	2300	High Output	112.5	29.7	75.8	20.0	2	3	—	2
QSM11	493	670	2300	High Output	127.9	33.8	83.9	22.2	2	3	—	2
QSM11	526	715	2500	High Output	142.7	37.7	92.6	24.5	2	3	—	2
Fixed Speed												
QSM11-DM	265	355	1500	Prime	65.0	17.2	32.1	8.5	2	—	—	2
QSM11-DM	265	355	1800	Prime	65.4	17.3	33.7	8.9	2	—	—	2
QSM11-DM	265	355	1800	Prime	68.2	18.0	35.3	9.3	—	3	—	2
QSM11-DM	317	425	1800	Prime	78.6	20.8	39.2	10.4	2	—	—	2
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Lubrication System – Cast aluminum oil pan designed to resist corrosion, spin-on Fleetguard oil filters.

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 available class approvals.

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



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