

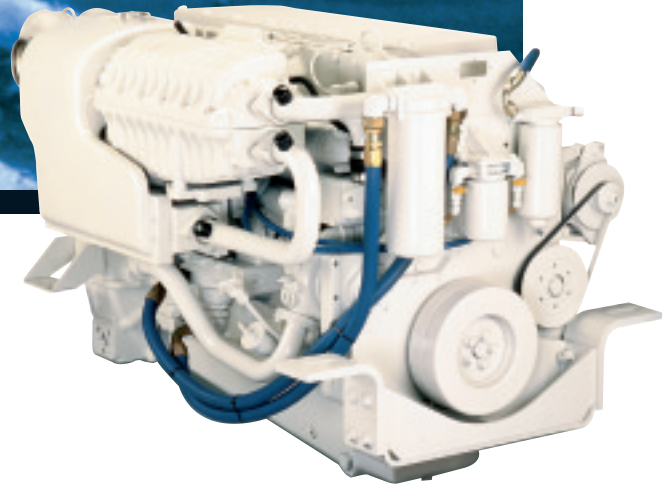
RUN HARD. DREAM BIG.™



QSM11

MARINE

535 - 635 HP
399 - 474 KW



ENGINE SPECIFICATIONS

Configuration	In-line 6-cylinder, 4-stroke diesel
Bore & Stroke	125 mm x 147 mm (4.92 in x 5.79 in)
Displacement	10.8 L (661 in ³)
Rotation	Counterclockwise facing flywheel

POWER RATINGS

Rating	High Output*	Intermittent Duty*	High Output*
Rated RPM	2300	2300	2300
BHP	635	580	535
kW	474	433	399
Metric HP	644	588	542
Max Torque N-m (ft-lb)	1715 (2325)	1570 (2129)	1860 (2522)
RPM	1700	1700	1300

*Ratings are IMO emissions compliant

FEATURES AND BENEFITS

Engine Design

Heavy-duty inline six-cylinder configuration. Four cycle design for quiet and fuel efficient operation. Low profile for ease of installation and easy service access. Replaceable wet cylinder liners for longer life and lower rebuild costs.

Cooling System

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

Air System

Holset turbocharger optimized for marine applications. Marine grade air filter. Large capacity sea water aftercooler. Cladded dry exhaust manifold for increased fuel efficiency and improved emissions.

Fuel System

Cummins full authority electronic Quantum System optimizes combustion for increased engine performance and fuel efficient operation.

Lubrication System

34 L (9.0 g) marine grade, cast aluminum oil pan designed to resist corrosion. Spin-on Fleetguard oil filters.

Electrical System

12-volt and 24-volt systems available. Marine grade wiring harness and instrument panels.

Manufacturing

ISO certified plants.

IMO Emissions Certified

Certificates of Compliance are available from the U.S. EPA and Lloyd's Register of Shipping.

AVAILABLE ACCESSORIES

Auxiliary Pump

Hydraulic Pump Drive: SAE A or B flange

Accessory Drive Pulley: Belt or gear driven

Sea Cruise Package: Includes backup throttle, digital interface, engine synchronization, cruise control, idle speed control and slow idle.

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M A R I N E

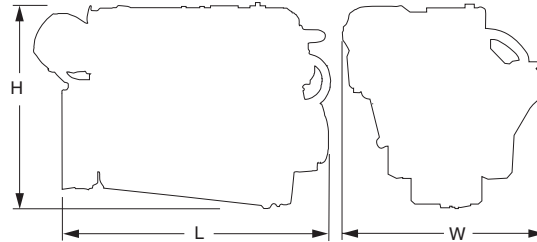
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ENGINE DIMENSIONS

Length		Width		Height		Weight	
mm	in	mm	in	mm	in	kg	lb
1353.9	53.3	981.6	38.65	1012.2	39.85	1125	2475



FUEL CONSUMPTION (PROP CURVE)

Rating	High Output 635 bhp*				Intermittent Duty 580 bhp*				High Output 535 bhp*			
	2300	2100	1900	1700	2300	2100	1900	1700	2300	2100	1900	1700
rpm	2300	2100	1900	1700	2300	2100	1900	1700	2300	2100	1900	1700
kW	474	371	283	209	433	338	258	191	399	313	239	178
L/hr	121.9	84.2	64.9	48.1	111.3	82.2	61.1	46.0	98.9	74.0	55.7	41.3
bhp	635	497	379	280	580	454	346	256	535	420	321	238
lb/hp-hr	.355	.314	.316	.318	.355	.335	.330	.334	.342	.327	.321	.321
gal/hr	32.2	22.3	17.1	12.7	29.4	21.7	16.3	12.2	26.1	19.6	14.7	10.9

*Ratings are IMO emissions compliant.

Above data represents performance along a 3.0 fixed pitch propeller curve. Fuel consumption has a tolerance of +5% and is based on fuel of 35° API gravity at 16 °C (60 °F) having an LHV of 42, 780 KJ/KG (18,390 BTU/lb) when used at 29 °C (85 °F) and weighing 838.9 g/liter (7.001 lb/US gal). Observed horsepower is certified within ± 3% of rated horsepower. Cummins has always been a pioneer in product improvement. Thus specifications may change without notice. Consult your local Cummins professional for further information.

Rating Definitions

Ratings are based on ISO 8665 conditions of 100kPa (29.612 in Hg) and 25°C (77°F) and 30% relative humidity. Propeller shaft power represents the net power available after typical gear losses and is 97% of rated power. Power rated in accordance with IMCI procedures.

High Output

Intended for use in variable load applications where full power is limited to one hour out of every eight hours of operation. This rating is for pleasure/non-revenue generating applications that operate less than 300 hours per year.

Intermittent Duty

Intended for intermittent use in variable load applications where full power is limited to two hours out of every eight hours of operation. Also, reduced power operations must be at or below 200 rpm of the maximum rated rpm. This rating is an ISO 3046 fuel stop power rating and is intended for applications that operate less than 1,500 hours per year.



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