



# QSB6.7

## Marine Propulsion and Auxiliary Engines for Recreational Applications

### General Specifications

<b>Configuration</b>	In-line, 6-cylinder, 4-stroke diesel
<b>Aspiration</b>	Turbocharged / Aftercooled
<b>Displacement</b>	6.7 L (408 in <sup>3</sup> )
<b>Bore &amp; Stroke</b>	107 X 124 mm (4.21 X 4.88 in)
<b>Rotation</b>	Counterclockwise facing flywheel
<b>Fuel System</b>	High Pressure Common Rail



### Product Dimensions and Weight

<b>Overall Length</b>	mm (in)	1263.8	(49.76)
<b>Length of Block</b>	mm (in)	748.0	(29.45)
<b>Overall Width</b>	mm (in)	910.6	(35.85)
<b>Overall Height</b>	mm (in)	857.0	(33.74)
<b>Weight</b>	kg (lb)	658	(1450)

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
<b>Variable Speed</b>											
QSB6.7	184	250	247	2600	High Output	46.9 (12.4)	33.0 (8.7)	2	3	—	1
QSB6.7	224	305	301	2600	High Output	55.6 (14.7)	39.2 (10.4)	2	3	—	1
QSB6.7	261	355	350	2800	High Output	68.1 (18.0)	47.5 (12.5)	2	3	—	1
QSB6.7	279	380	375	3000	High Output	73.9 (19.5)	50.4 (13.3)	2	3	—	1
QSB6.7	312	425	419	3000	High Output	82.2 (21.7)	55.0 (14.5)	2	3	—	1
QSB6.7	353	480	473	3300	High Output	96.2 (25.4)	64.1 (16.9)	2	3	—	1
QSB6.7	405	550	542	3300	High Output	110.2 (29.1)	72.6 (19.2)	2	3	—	1
<b>Fixed Speed</b>											
QSB7-DM	98	134	132	1800 (60 Hz)	Prime Power	28.1 (7.4)	15.0 (4.0)	—	3	—	—
QSB7-DM	112	152	150	1800 (60 Hz)	Prime Power	31.7 (8.4)	16.6 (4.4)	—	3	—	—
QSB7-DM	122	166	164	1500 (50 Hz)	Prime Power	33.4 (8.8)	17.2 (4.6)	—	3	3a	—
QSB7-DM	130	176	174	1800 (60 Hz)	Prime Power	36.0 (9.5)	18.4 (4.9)	—	3	—	—
QSB7-DM	142	193	190	1800 (60 Hz)	Prime Power	39.2 (10.4)	19.8 (5.2)	2	3	—	—
QSB7-DM	164	223	220	1500 (50 Hz)	Prime Power	46.0 (12.2)	22.7 (6.0)	2	3	3a	—
QSB7-DM	186	254	250	1800 (60 Hz)	Prime Power	51.8 (13.7)	25.2 (6.7)	2	3	—	—
QSB7-DM	210	286	282	1800 (60 Hz)	Prime Power	58.1 (15.4)	28.2 (7.4)	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)

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### Features and Benefits

**Engine Design** – Unmatched performance driven through a perfectly matched turbocharger and a new 24-valve cylinder head that delivers industry-leading power density. Maximize vessel performance and access comprehensive vessel diagnostic information via SmartCraft® electronics. Peace of mind delivered by the Cummins Captain's Briefing and global service network

**Fuel System** – Bosch HPCR with hardened components to safely operate alternative fuels such as kerosene and JP8/JP5. Quiet operation, including an 80-percent reduction in noise at idle. Enhanced sociability virtually eliminates smoke and improves the whole boating experience.

**Lubrication System** – Front-mounted filters. Oil service interval increased to 500 hours if using ULSD fuels

**Cooling System** – Single loop, low temperature aftercooling eliminates the need for two keel coolers and lowers emissions. Tube and shell heat exchanger designed for superior durability and ease of service with minimal maintenance requirements. Fan drive available for radiator cooled configurations

**Air Intake System** – New Walker air filter significantly reduces noise

**Exhaust System** – Cast water cooled exhaust manifold for lower surface temperatures, safety and improved performance

**Electrical System** – 12v and 24v, isolated and non-isolated, systems available

**Electronics** – 24v Quantum System electronics feature a proven ECM to monitor operating parameters such as fuel consumption, duty cycle, engine load and speed, while providing diagnostics, prognostics and complete engine protection. Simplified electrical customer interface box for all vessel connections to reduce installation complexity

**Certifications** – Complies with U.S. EPA Tier 3 emissions regulations without the use of aftertreatment. Designed to meet the International Association of Classification Societies (IACS) and SOLAS requirements. Consult your local Cummins professional for a complete listing of available class approvals.

### Optional Equipment

- Engine Controls: Digital Throttle and Shift
- Instrumentation: SmartCraft® digital displays standard with Zeus®, optional as inboard
- Vessel System Integration: SmartCraft® monitors fluid level, vessel range, depth, vessel speed, rudder position, temperatures and more
- SL Option Package: a collection of options to reduce engine size and weight. Includes a resized cooling system, side mount filters, low mount turbocharger, disposable closed crankcase air cleaner, remote-manual fuel priming pump, steel oil pan and block mounted engine brackets. Available on the 355, 380 and 425 MHP ratings. Also available a la carte where compatible.



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