

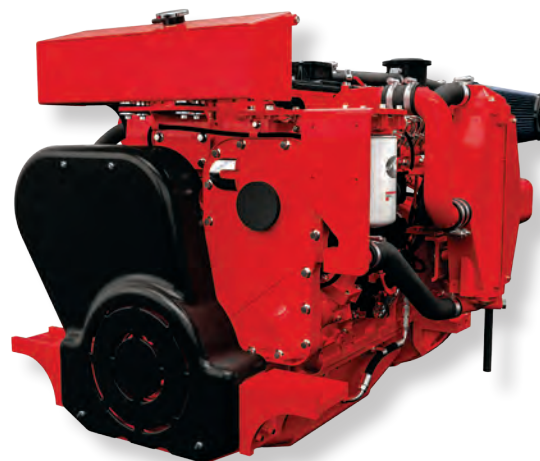


# QSL9

## Marine Propulsion Engines for Commercial Applications

### General Specifications

<b>Configuration</b>	In-line, 6-cylinder, 4-stroke diesel
<b>Aspiration</b>	Turbocharged / Aftercooled
<b>Displacement</b>	8.9 L (542 in <sup>3</sup> )
<b>Bore &amp; Stroke</b>	114 X 145 mm (4.49 X 5.71 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)	1362.3	(53.63)
<b>Length of Block</b>	mm (in)	856.0	(33.7)
<b>Overall Width</b>	mm (in)	969.8	(38.18)
<b>Overall Height</b>	mm (in)	1213.7	(42.78)
<b>Weight</b>	kg (lb)	977	(2153)

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>												
QSL9	209	285	281	1800	Continuous	54.3 (14.4)	36.9 (9.8)	2	—	3a	—	
QSL9	213**	290	286	1800	Continuous	53.4 (14.1)	37.3 (9.9)	2	3	3a	—	
QSL9	213***	290	286	1800	Continuous	55.0 (14.5)	38.0 (10.0)	2	3	3a	—	
QSL9	243	331	326	1800	Heavy Duty	61.7 (16.0)	42.1 (11.0)	2	—	3a	—	
QSL9	246**	335	330	1800	Heavy Duty	63.1 (16.7)	43.6 (11.5)	2	3	3a	—	
QSL9	246***	335	330	1800	Heavy Duty	66.0 (17.6)	44.4 (11.8)	2	3	3a	—	
QSL9	298	406	400	2100	Medium Continuous	80.2 (21.2)	53.0 (14.0)	2	—	3a	—	
QSL9	302**	410	404	2100	Medium Continuous	78.6 (20.8)	53.5 (14.1)	2	3	3a	—	
QSL9	302***	410	404	2100	Medium Continuous	82.0 (21.7)	55.9 (14.8)	2	3	3a	—	

\* 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 (HX) configuration | \*\*\* Keel cooled (KC) configuration

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### Features and Benefits

**Engine Design** – Robust engine designed for long life. Metric O-ring seals and edge molded gaskets eliminate fluid leaks. Aluminum pistons for exceptional durability

**Fuel System** – High Pressure Common Rail electronically-controlled fuel system provides constant high injection pressure regardless of engine speed or load condition. Benefits include low noise and vibration for quiet operation and faster load acceptance

**Lubrication System** – Standard capacity (18 L [19 quart]) marine grade oil pan, plus a selection of engine mounted and remote lube filters for installation flexibility and ease of maintenance

**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** – Rear engine-mounted water cooled turbocharger from Cummins Turbo Technologies optimized for marine applications

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

**Electronics** – 12v and 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

- Front power take-off adapter
- Air and electric starting motors
- Integrated C Command HD panels with a selection of display options available to monitor and maximize operation and performance
- SAE B accessory drive
- Fully integrated type approved alarm and safety system



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