



QSB7-DM

Marine Auxiliary Engines

IMO Tier II, EPA Tier 3 and EU Stg IIIa certified

Specifications

Configuration	In-line, 6 cylinder, 4 stroke diesel
Bore & Stroke	107 mm X 124 mm (4.21 in X 4.88 in)
Displacement	6.7 L (408 in ³)
Rotation	Counterclockwise facing flywheel
Aspiration	Turbocharged/Aftercooled
Emissions	IMO Tier II, EPA Tier 3 and EU Stage IIIa (50 Hz ratings)



Dimensions

Length	1283 mm	50.5 in
Width	952 mm	37.5 in
Height	994 mm	39.1 in
Weight	709.5 kg	1561 lb

Dimensions and weight may vary based on selected engine configuration

Ratings

Engine Model	Output Power		Engine Speed RPM	Rating Definition	Fuel Consumption	
	kW	HP			Rated Speed L/hr (gal/hr)	ISO* L/hr (gal/hr)
Fixed Speed						
QSB7-DM	122	164	1500 (50 Hz)	Prime	35.3 (9.3)	17.2 (4.6)
QSB7-DM	164	220	1500 (50 Hz)	Prime	46.0 (12.2)	22.7 (6.0)
QSB7-DM	98	132	1800 (60 Hz)	Prime	28.1 (7.4)	15.0 (4.0)
QSB7-DM	112	150	1800 (60 Hz)	Prime	31.7 (8.4)	16.6 (4.4)
QSB7-DM	130	174	1800 (60 Hz)	Prime	36.0 (9.5)	18.4 (4.9)
QSB7-DM	142	190	1800 (60 Hz)	Prime	39.2 (10.4)	19.8 (5.2)
QSB7-DM	186	250	1800 (60 Hz)	Prime	50.8 (13.4)	25.3 (6.7)
QSB7-DM	210	282	1800 (60 Hz)	Prime	57.2 (15.1)	28.2 (7.4)

* Average fuel consumption based on ISO 8178 D2 Standard Test Cycle

The Right Technology. **Matters.**

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Features and Benefits

Engine Design - Robust engine designed for prime power operation and 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

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

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

Air System - Rear engine-mounted water cooled turbocharger from Cummins Turbo Technologies optimized for marine applications

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

Electronics - 24-volt 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 MARPOL 73/78 Annex VI (IMO), U.S. EPA Tier 3 and EU Stage IIIa 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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Bulletin M10106 REV 9/12
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