



6BT5.9-D(M)

Marine Auxiliary Engines

Specifications

| | |
|--------------------------|-------------------------------------|
| Configuration | In-line 6 cylinder, 4 stroke diesel |
| Bore & Stroke | 102 mm X 120 mm (4.02 in X 4.75 in) |
| Displacement | 5.9 L (359 in ³) |
| Rotation | Counterclockwise facing flywheel |
| Aspiration | Turbocharged |
| Emissions | Not certified |

Dimensions

| | | |
|---------------|---------|--------|
| Length | 1020 mm | 40 in |
| Width | 601 mm | 24 in |
| Height | 1201 mm | 47 in |
| Weight | 426 kg | 940 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 | | | | | | |
| 6BT5.9-D(M) | 78 | 104 | 1500 (50 Hz) | Prime | 19.8 (5.2) | 10.7 (2.8) |
| 6BT5.9-D(M) | 91 | 122 | 1500 (50 Hz) | Prime | 22.4 (5.9) | 11.3 (3.0) |
| 6BT5.9-D(M) | 91 | 122 | 1800 (60 Hz) | Prime | 23.4 (6.2) | 12.7 (3.3) |
| 6BT5.9-D(M) | 112 | 150 | 1800 (60 Hz) | Prime | 27.1 (7.2) | 14.0 (3.7) |

* Average fuel consumption based on ISO 8178 E3 Standard Test Cycle (variable speed models) and ISO 8178 D2 Standard Test Cycle (fixed speed models)

The Right Technology. **Matters.**

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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

Fuel System - Rotary fuel pump with optional electronic governor for precise fueling and engine speed

Cooling System - Single loop keel cooling or engine mounted heat exchanger available for simplified installation. Optional fan drive for radiator applications

Exhaust System - Water cooled exhaust manifold reduces emissions and cools engine surface temperatures

Air System - Cummins turbocharger optimized for marine applications. Jacket water aftercooled

Lubrication System - Standard capacity (14.2 L [3.8 g]) oil pan available with rear, front or center sump for installation flexibility. Spin on Cummins lube filters

Certifications - Marine Classification Society approvals from IACS members and SOLAS compliant configurations available; check with your local Cummins professional for a current list of certifications available on this engine

Optional Equipment

- Engine mounted and remote instrument panels

- Remote duplex oil and fuel filters
- Power take-off available from front of crankshaft
- SAE A or B power take-off



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