



# 6BT5.9

## Marine Auxiliary Engine for Commercial Applications

### General Specifications

<b>Configuration</b>	In-line, 6-cylinder, 4-stroke diesel
<b>Aspiration</b>	Turbocharged
<b>Displacement</b>	5.9 L (359 in <sup>3</sup> )
<b>Bore &amp; Stroke</b>	102 X 120 mm (4.02 X 4.75 in)
<b>Rotation</b>	Counterclockwise facing flywheel
<b>Fuel System</b>	In-line Injection Pump



### Product Dimensions and Weight

<b>Overall Length</b>	mm (in)	1020	(40)
<b>Length of Block</b>	mm (in)	748	(29)
<b>Overall Width</b>	mm (in)	601	(24)
<b>Overall Height</b>	mm (in)	1201	(47)
<b>Weight</b>	kg (lb)	426	(940)

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>Fixed Speed</b>											
6BT5.9-D(M)	78	105	104	1500 (50 Hz)	Prime	19.8 (5.2)	10.7 (2.8)	N/A	-	-	-
6BT5.9-D(M)	91	124	122	1500 (50 Hz)	Prime	22.4 (5.9)	11.3 (3.0)	N/A	-	-	-
6BT5.9-D(M)	91	124	122	1800 (60 Hz)	Prime	23.4 (6.2)	12.7 (3.3)	-	-	-	-
6BT5.9-D(M)	112	152	150	1800 (60 Hz)	Prime	27.1 (7.2)	14.0 (3.7)	-	-	-	-

Ratings below 130 kW are not subject to IMO emission regulation.

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

# 6BT5.9

## Marine Auxiliary Engines for Commercial Applications

### 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

**Electronics** – 24v standard electrical system with 12V option available

**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

