

# C9.3 Marine Propulsion Engine Commercial Applications



## ENGINE SPECIFICATIONS

<b>CONFIGURATION</b>	Inline 6, 4-Stroke Cycle diesel
<b>EMISSIONS</b>	IMO II U.S. EPA Tier 3 China Stage II
<b>RATED ENGINE SPEED</b>	1,800, 2,100, 2,300 rpm
<b>DISPLACEMENT</b>	9.3 L (567.5 cu in)
<b>ASPIRATION</b>	Turbocharged-aftercooled
<b>GOVERNOR</b>	Electronic

<b>BORE x STROKE</b>	115 mm x 149 mm (4.5 in x 5.8 in)
<b>REFILL CAPACITY</b>	Lube Oil System w/oil filter change: 24.5 L (6.5 gal)
<b>OIL CHANGE INTERVAL</b>	500 hrs
<b>FLYWHEEL HOUSING</b>	SAE No. 1 (113 teeth)
<b>ROTATION</b>	Counterclockwise
<b>COOLING</b>	Heat exchanger and separate or combined keel cooled options

## KEY FEATURES & BENEFITS

- Electronic control system provides industry-leading torque and throttle response at low speeds, while maintaining fuel efficiency at high speeds
- Common rail fuel system enables optimum combustion and low emissions
- RH and LH locations service options for fuel and oil filters, as well as dipstick location for easily accessible service
- Compatible with Cat® displays
- Available remote-mounted display panel with start, stop, and engine diagnostics
- 12V or 24V electrical system
- Certified by all marine classification societies

## STANDARD EQUIPMENT

- Water-cooled turbocharger and exhaust manifold
- Electronic control system
- Thermostats and housing
- Gear-driven Sea water pump (self-priming)
- Common rail fuel system
- Shell and tube jacket water heat exchanger
- Corrosion-resistant Sea water aftercooler
- Engine oil cooler
- Vibration damper and guard
- Primary fuel filters

## OPTIONAL ATTACHMENTS

- Alternators – 24V 70 or 105 amp, 12V 110 amp
- Closed crankcase ventilation
- Transmission gear oil cooler (engine mounted for HEX)
- Additional engine and transmission sensor packages
- Instrument panels
- Electric starting motors – 12V or 24V
- Air starting motor
- Dual electric starting motors or combined electric/air
- Electric fuel priming pump
- Fuel cooler
- PTO Drives – V-belt pulley stack, stub shaft
- Duplex fuel and oil filters
- Double wall fuel rail

# RATINGS & FUEL CONSUMPTION

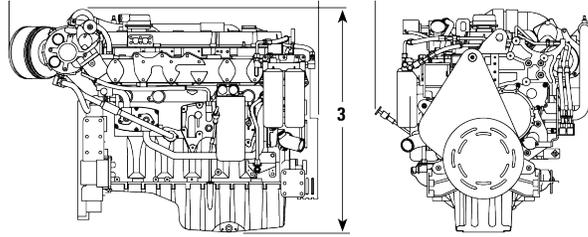
Rating	mhp	bhp	bkW	rpm	U.S. g/h	g/bkW-hr	IMO	U.S. EPA	EU	China
<b>B*</b>	381	375	280	1800	18.7	214.9	II	T3C	NC	C-II
<b>C</b>	421	416	310	2100	21.2	216.2	II	T3C	NC	C-II
<b>D</b>	483	476	355	2300	24.1	218.1	II	T3C	NC	C-II

\*Available with C1 Industrial Cycle for variable speed applications that don't comply with the propeller law.

## ENGINE DIMENSIONS & WEIGHT

### PROPULSION ENGINE

<b>LENGTH (1)</b>	57.2 in / 1,452 mm
<b>WIDTH (2)</b>	38.5 in / 978 mm
<b>HEIGHT (3)</b>	43.0 in / 1,093 mm
<b>DRY WEIGHT</b>	2083 - 2474 lb / 945 - 1122 kg



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