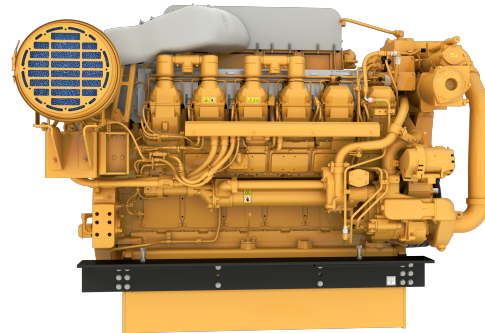
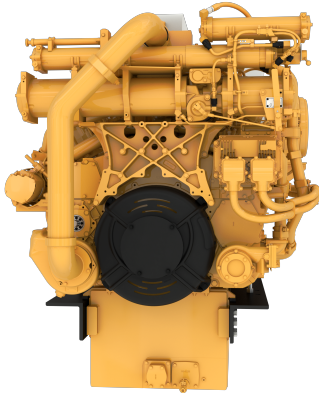


3512C IMO II Marine Propulsion Engine Commercial Applications



ENGINE SPECIFICATIONS

CONFIGURATION	V 12, 4-Stroke Cycle Diesel	BORE X STROKE	Standard: 170 mm x 190 mm / 6.69 in x 7.48 in High Displacement: 170 mm x 215 mm / 6.69 in x 8.46 in
EMISSIONS	IMO II	REFILL CAPACITY LUBE OIL SYSTEM W/OIL FILTER CHANGE	152 L (40 gal) / 318 L (84 gal) / 625 L (165 gal)
RATED ENGINE SPEED	1200 / 1600 / 1800	OIL CHANGE INTERVAL	Options for 250 / 500 / 1,000 hours
DISPLACEMENT	Standard: 51.8 L / 3161 cu in High Displacement: 58.6 L / 3574 cu in	ROTATION (FROM FLYWHEEL END)	Clockwise or Counterclockwise
ASPIRATION	Twin Turbocharged – Aftercooled	COOLING	Heat Exchanger or Keel Cooled
GOVERNOR	Electronic (ADEM6)		
FLYWHEEL HOUSING	Flywheel Housing, SAE No. 00		

KEY FEATURES & BENEFITS

- Electronic control minimizes fuel consumption and monitors engine operation
- Dual ECMs provide redundant control for seamless operating avoiding single point failure
- Instrument panel with cold mode start strategy and programmable low idle
- Mandatory control panel and optional MCS compliant alarm & protection system
- Electronic controllers are MCS (IACS E10) and cyber security (IEC 62443 -Level 1) compliant
- Advanced combustion design uses the optimal configurations and cylinder geometry
- Enhanced control of fuel injection and piston design provides efficiency
- Precise nozzle geometry and electronic injection control for efficient fuel delivery

STANDARD EQUIPMENT

- Dual engine controller modules
- Corrosion-resistant aftercooler core
- Dual turbochargers with water-cooled bearings and heat shields
- Centrifugal auxiliary water pump
- Electronically cooled unit injectors
- Vibration damper and guard
- Gear-driven centrifugal jacket water pump
- Oil filter, oil level gauge, and oil pump
- CW or CCW Rotation, LH or RH Service

OPTIONAL ATTACHMENTS

- Plate-type heat exchanger
- Special appearance package with chrome cover available
- Marine Society certifications
- Power takeoff
- Shutoff and alarm contactors
- SOLAS compliant fuel connections with spill shield
- LECP-CMD, LECP II and LECP III instrument panel options
- Mounting rails
- Sea water pump
- See Marine price list for additional attachments

RATINGS & FUEL CONSUMPTION

IMO II

RPM	Rating	mhp	bhp	bkW	gal/h (U.S.)	g/bkWh	IMO	U.S. EPA	EU	China
1200	A	1769	1301	970	62.3	206.6	II	NC	NC	NC
	A ¹	2038	1499	1118	69.2	199.1	II	NC	NC	NC
	B	1903	1400	1044	66.9	206.1	II	NC	NC	NC
	B ¹	2175	1600	1193	73.7	198.9	II	NC	NC	NC
	C	2038	1499	1118	71.7	206.3	II	NC	NC	NC
	C ¹	2310	1699	1267	78.9	200.1	II	NC	NC	NC
1600	A	1742	1281	955	59.4	200.1	II	NC	NC	NC
		1903	1400	1044	64.5	198.7	II	NC	NC	NC
	A ¹	2277	1675	1249	77.2	198.7	II	NC	NC	NC
		2461	1810	1350	82.1	195.7	II	NC	NC	NC
	B	1849	1360	1014	62.7	199.1	II	NC	NC	NC
		2041	1501	1119	68.8	198.0	II	NC	NC	NC
	B ¹	2379	1750	1305	79.9	196.9	II	NC	NC	NC
		2598	1911	1425	86.2	194.7	II	NC	NC	NC
	C	1916	1409	1051	64.9	198.6	II	NC	NC	NC
		2175	1600	1193	73.4	197.8	II	NC	NC	NC
	C ¹	2514	1849	1379	83.7	195.2	II	NC	NC	NC
		2736	2012	1500	90.7	194.6	II	NC	NC	NC
1800	A	2041	1501	1119	68.2	196.3	II	NC	NC	NC
	B	2140	1574	1174	71.6	196.0	II	NC	NC	NC
	B ¹	3059	2250	1678	110.6	212.1	II	NC	NC	NC
	C	2242	1649	1230	74.9	195.7	II	NC	NC	NC
	C ¹	3218	2367	1765	115.8	211.1	II	NC	NC	NC
	D ¹	3470	2552	1903	124.6	210.9	II	NC	NC	NC

All engines available in Standard and Reverse Rotation
¹ Denotes High Displacement Engine

Rating Definitions:

A Rating (Unrestricted Continuous)

Typical Applications: For Vessels operating at rated load and rated speed up to 100% of the time without interruption or load cycling (80% to 100% load factor). Typical operation ranges from 5000 to 8000 hours per year.

B Rating (Heavy Duty)

Typical applications: For vessels operating at rated load and rated speed up to 80% of the time with some load cycling (40% to 80% load factor). Typical operation ranges from 3000 to 5000 hours per year.

C Rating (Maximum Continuous)

Typical applications: For vessels operating at rated load and rated speed up to 50% of the time with cyclical load and speed (20% to 80% load factor). Typical operation ranges from 2000 to 4000 hours per year.

D Rating (Intermittent Duty)

Typical applications: For vessels operating at rated load and rated speed up to 16% of the time (up to 50% load factor). Typical operating ranges from 1000 to 3000 hours per year.

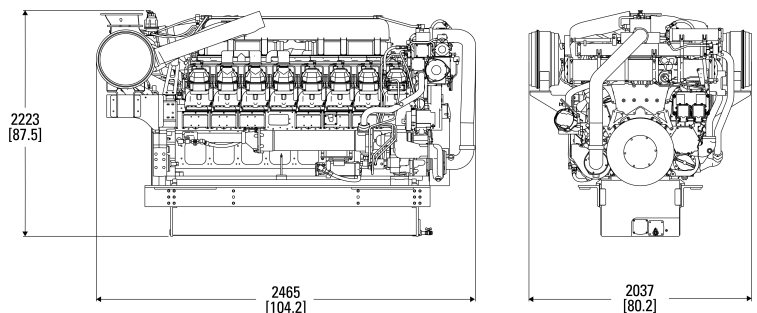
ENGINE DIMENSIONS & WEIGHT

LENGTH (APPROX.) 104.2 in / 2465 mm

HEIGHT (APPROX.) 87.5 in / 2223 mm

WIDTH (APPROX.) 80.2 in / 2037 mm

DRY WEIGHT (APPROX.) 16,508 lb / 7488 kg



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