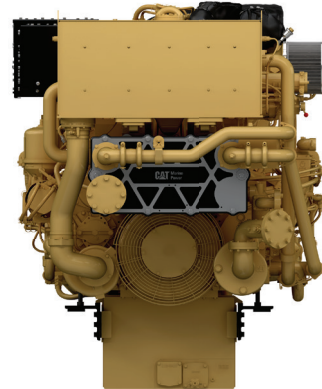
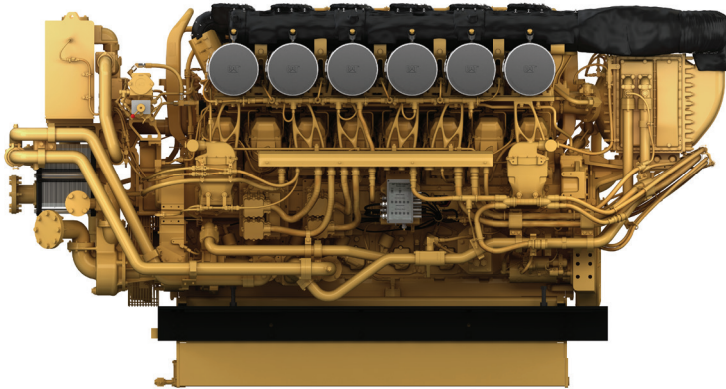


3516E

Marine Propulsion Engine High Performance



ENGINE SPECIFICATIONS

CONFIGURATION	VEE 16, 4-Stroke Cycle Diesel	BORE x STROKE	170 mm x 215 mm / 6.69 in x 8.46 in
EMISSIONS	IMO II	REFILL CAPACITY	Lube Oil System w/oil filter change: 799 L (211 gal)
RATED ENGINE SPEED	1,800 rpm	OIL CHANGE INTERVAL	1,000 hrs
DISPLACEMENT	78.1 L (4,766 cu in)	ROTATION	Counterclockwise or clockwise from flywheel end
ASPIRATION	Sequential Turbocharged / Aftercooled	COOLING	Heat exchanger or keel cooled
GOVERNOR	Electronic (A5 ECM)		

KEY FEATURES & BENEFITS

- Advanced combustion and sequential air system for optimal engine performance, acceleration and efficiency
- Optimized Power Density (Rated Power vs Weight) and Streamlined Engine Packaging (L x W x H)
- Enhanced control of fuel injection optimized through crank timing and the latest A5 ECM technology
- Optimal fuel injector nozzle geometry and electronic injection control for improved fuel delivery
- Improved low speed torque capability designed for tug and hybrid configurations
- Strengthened cylinder heads and valves for increased durability and peak cylinder pressure capability
- Global dealer network for service in any location.

STANDARD EQUIPMENT

- IMO II Emissions
- Corrosion resistant aftercooler core
- Dual A5 Engine Control Modules
- Sequential Water-Cooled Turbochargers
- Water Cooled Exhaust Manifold
- Vibration Damper and Guard
- Duplex Fuel Filtration
- Self-Cleaning, Centrifugal Oil Filtration
- Serviceable Hard Heat Shields
- Meets SOLAS Regulations
- LECP2 Instrument Control Panel

OPTIONAL ATTACHMENTS

- Rear Mounted Plate-type Heat Exchanger
- SCAC & Jacket Water Expansion Tank
- Marine Classification Society Compliance
- Power Take-off
- Certified Marine Alarm & Protection System
- LECP3 Instrument Control Panel
- Sea Water Auxiliary Pump
- Mounting Rails
- CW or CCW Rotation

RATINGS & FUEL CONSUMPTION

Rating	mhp	bhp	bkW	rpm	U.S. g/h	g/bkW-hr	IMO	U.S. EPA	EU	China
D	3807	3755	2800	1800	179.7	206.5	II	NC	NC	NC
D	4079	4023	3000	1800	193.1	207.1	II	NC	NC	NC

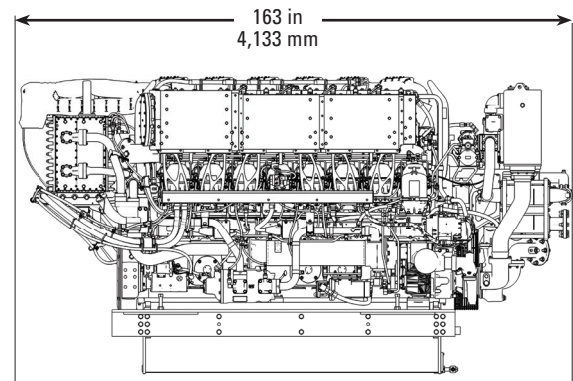
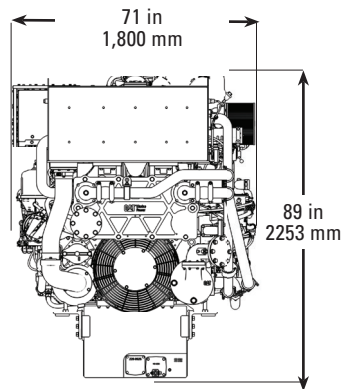
ISO 3046/ fluid consumption tolerance of -0/+5 %

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	163 in / 4,133 mm
HEIGHT	89 in / 2,253 mm
WIDTH	71 in / 1,800 mm
DRY WEIGHT	24,526 lb / 11,125 kg



Contact your local Cat® Dealer for more information!

