

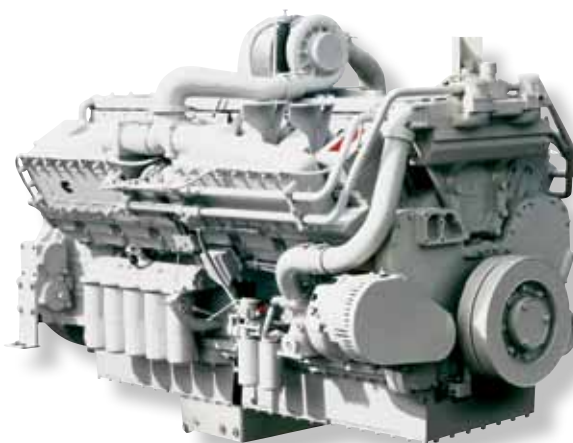


KTA50

Marine Propulsion & Auxiliary Engines IMO Tier I certified

Specifications

Configuration	V-16 cylinder, 4 stroke diesel
Bore & Stroke	159 mm X 159 mm (6.25 in X 6.25 in)
Displacement	50 L (3067 in ³)
Rotation	Counterclockwise facing flywheel
Aspiration	Turbocharged/Aftercooled
Emissions	IMO Tier I



Dimensions

Length	2694 mm	106 in
Width	1564 mm	62 in
Height	2260 mm	89 in
Weight	5166 kg	11389 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)
Variable Speed						
KTA50-M2	1044	1400	1600	Continuous	261.3 (69.0)	179.0 (47.3)
KTA50-M2	1193	1600	1800	Continuous	290.8 (76.8)	209.1 (55.2)
KTA50-M2	1193	1600	1900	Heavy Duty	299.8 (79.2)	208.5 (55.1)
KTA50-M2	1268	1700	1800	Heavy Duty	309.9 (81.9)	221.2 (58.4)
KTA50-M2	1342	1800	1900	Heavy Duty	336.0 (88.8)	232.8 (61.5)
KTA50-M2	1398	1875	1950	MCD	355.0 (93.8)	248.7 (65.7)
Fixed Speed						
KTA50-D(M1)	1007	1350	1500 (50 Hz)	Prime	229.0 (60.5)	118.9 (31.4)
KTA50-D(M1)	1097	1470	1500 (50 Hz)	Prime	244.5 (64.6)	129.5 (34.2)
KTA50-D(M1)	1141	1530	1800 (60 Hz)	Prime	262.7 (69.4)	138.6 (36.6)
KTA50-D(M1)	1291	1730	1800 (60 Hz)	Prime	290.7 (76.8)	152.8 (40.4)

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

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Features and Benefits

Engine Design - Low profile for ease of installation and service. Replaceable wet cylinder liners offer longer life and lower rebuild cost. Gallery cooled pistons for maximum durability

Fuel System - Dependable Cummins PT fuel system can be operated mechanically or with CENTRY electronics for precise engine fueling. Step Timing Control (STC) allows for smooth engine acceleration under load

Cooling System - Keel cooled or engine mounted plate heat exchanger for reduced installation cost and less maintenance. Spin-on Cummins water treatment filters for protection against cooling system corrosion

Exhaust System - Dry exhaust manifold with water shielding for reduced fuel consumption and improved performance

Air System - Marine grade air filters with air inlet restriction indicator. Twin Cummins turbochargers optimized for marine usage

Lubrication System - Standard (151 L [40 gal]) or high capacity (185 L [49 gal]) marine grade oil pan. Cummins spin-on oil filter cartridge available handed for simplified service

Electronics - 24-volt standard electrical system with 12-volt option available. Marine grade wiring harness

Certifications - Complies with IMO Tier I emissions regulations. Certificates of compliance are available from the U.S. EPA and Lloyd's Register of Shipping. Consult your local Cummins professional for a complete listing of current marine agency approvals for this engine

Optional Equipment - Contact your local Cummins professional for a list of optional equipment available on this engine

- CENTINEL™ oil management system
- Prelub starter protects against dry starts
- Direct mounted front power take-off
- Duplex lube and fuel filtration
- Engine room & pilot house panel with analog gauges



Cummins Inc.
4500 Leeds Avenue - Suite 301
Charleston, SC 29405-8539
U.S.A.

Internet: marine.cummins.com
Email: wave.master@cummins.com

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