



KTA19

Marine Propulsion & Auxiliary Engines IMO Tier I certified

Specifications

Configuration	In-line, 6 cylinder, 4 stroke diesel
Bore & Stroke	159 mm X 159 mm (6.25 in X 6.25 in)
Displacement	19 L (1150 in ³)
Rotation	Counterclockwise facing flywheel
Aspiration	Turbocharged/Aftercooled
Emissions	IMO Tier I

Dimensions

Length	1877 mm	74 in
Width	1003 mm	40 in
Height	1905 mm	75 in
Weight	2073 kg	4570 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						
KTA19-M3	373	500	1800	Continuous	96.0 (25.4)	67.2 (17.8)
KTA19-M3	395	530	1800	Continuous	100.0 (26.4)	70.7 (18.7)
KTA19-M3	447	600	1800	Continuous	111.1 (29.4)	79.8 (21.1)
KTA19-M3	477	640	1800	Heavy Duty	119.9 (31.7)	84.1 (22.2)
KTA19-M4	522	700	2100	Heavy Duty	135.1 (35.7)	94.6 (25.0)
Fixed Speed						
KTA19-D(M1)	358	480	1500 (50 Hz)	Prime	91.2 (24.1)	47.1 (12.5)
KTA19-D(M1)	410	550	1500 (50 Hz)	Prime	102.6 (27.1)	52.5 (13.9)
KTA19-D(M1)	425	570	1800 (60 Hz)	Prime	106.4 (28.1)	58.8 (15.5)
KTA19-D(M1)	485	650	1800 (60 Hz)	Prime	120.8 (31.9)	64.7 (17.1)

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

The Right Technology. **Matters.**

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Features and Benefits

Engine Design - Rugged in-line six cylinder designed for heavy duty applications. Replaceable wet cylinder liners for longer life and lower rebuild costs. Individual, four valve design cylinder heads for improved economy and performance. 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. Premium fuel injectors utilize ceramic components for increased durability

Cooling System - Keel cooled or engine mounted heat exchanger system available. Spin-on Cummins water treatment filters for protection against cooling system corrosion

Exhaust System - Water cooled exhaust manifold reduces emissions and cools engine surface temperatures

Air System - Top mounted Cummins turbocharger with vertical or horizontal elbow, optimized for marine applications. Marine grade air cleaner with air inlet restriction indicator. Low temperature aftercooler available on the KTA19-M4 for increased efficiency. Cast iron water cooled exhaust manifold

Lubrication System - Marine grade steel or cast

aluminum lube oil pan (72 L [19 gal]). Cummins spin-on oil filters available handed for simplified service

Electronics - 24 volt standard electrical system with 12 volt options available

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

- Direct mounted front power take-off
- Duplex lube and fuel filtration
- Engine room and pilot house instrumentation with analog gauges
- SAE A and B accessory drives
- Integral marine gear oil cooler



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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