

# KTA19



## MARINE PROPULSION AND AUXILIARY ENGINES

### Specifications

ENGINE TYPE	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 <sup>3</sup> )
ROTATION	COUNTERCLOCKWISE FACING FLYWHEEL
ASPIRATION	TURBOCHARGED/AFTERCOOLED
EMISSIONS	IMO

### Ratings

ENGINE MODEL	kW	OUTPUT POWER HP	kWe*	ENGINE SPEED RPM	RATING DEFINITION	FUEL CONSUMPTION** L/hr (gal/hr)
<b>VARIABLE SPEED</b>						
KTA19-M3	373	500	-	1800	CONTINUOUS	67 (17.7)
KTA19-M3	395	530	-	1800	CONTINUOUS	70.4 (18.6)
KTA19-M3	447	600	-	1800	CONTINUOUS	79.5 (21)
KTA19-M3	477	640	-	1800	HEAVY DUTY	84 (22)
KTA19-M4	522	700	-	2100	HEAVY DUTY	95 (25)
<b>FIXED SPEED</b>						
KTA19-D(M1)	358	480	337	1500 (50 Hz)	PRIME	43.7 (11.5)
KTA19-D(M1)	410	550	386	1500 (50 Hz)	PRIME	49.1 (13)
KTA19-D(M1)	425	570	400	1800 (60 Hz)	PRIME	51 (13.5)
KTA19-D(M1)	485	650	456	1800 (60 Hz)	PRIME	57.8 (15.3)

\* kWe reflects the approximate amount of power available when used in a keel cooled genset configuration

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



Photo courtesy of Alan Haig-Brown

When Riverside Towing decided to repower the tug River Star, they chose the KTA19-M3

### The Cummins Advantage

24 Hour Customer Support

Reliable & Durable Products

Best in Class Life Cycle Cost

Comprehensive Global Warranty

**EVERY™  
JOB.**

# KTA19



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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 handed available for simplified service

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

**Certifications** - Complies with IMO 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

### Dimensions

LENGTH	1539 mm	61 in	KC
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

### Every Question. Answered.

**Marine Web Site ([marine.cummins.com](http://marine.cummins.com))** - Offers product specifications, installation drawings and technical information as well as answers to frequently asked questions



**QuickServe® Online ([quickserve.cummins.com](http://quickserve.cummins.com))** - Gives easy access to parts and service information for all Cummins engines. Find the information you need with our high-speed search function and your engine's serial number

**Cummins Online Product Registration** - Register your Cummins engine quickly and easily at [marine.cummins.com](http://marine.cummins.com) to ensure quality parts and service

**Distributor Expertise** - The best source for service, parts and application assistance. To find your nearest Cummins distributor/dealer, go to the Worldwide Service Locator (click on Service Locator at [wsl.cummins.com](http://wsl.cummins.com)). If you need assistance beyond what your local Cummins professional has offered, contact the Regional Office for your area or send an e-mail to [wavemaster@cummins.com](mailto:wavemaster@cummins.com)

**Global Support Network** - Backed by the strength of Cummins distribution network with over 550 marine service locations in 160 countries, Cummins engines include a comprehensive, worldwide warranty



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