



KTA19

Marine Propulsion and Auxiliary Engines for Commercial and Recreational Applications

General Specifications

Configuration	In-line, 5-cylinder, 4-stroke diesel
Aspiration	Turbocharged / Aftercooled
Displacement	19 L (1,120 in ³)
Bore & Stroke	159 X 159 mm (6.25 X 6.25 in)
Rotation	Counterclockwise facing flywheel
Fuel System	Pressure Time (PT)

Product Dimensions and Weight

Overall Length	mm (in)	1877	(74)
Length of Block	mm (in)	1200	(47)
Overall Width	mm (in)	1009	(40)
Overall Height	mm (in)	1905	(75)
Weight	kg (lb)	3073	(6770)

Dimensions and weight may vary based on selected engine configuration.



Power Ratings

Engine Model	Output Power			Engine Speed RPM	Rating Definition	Fuel Consumption		IMO	Emissions		
	KW	MHP	BHP			Rated Speed L/hr (gal/hr)	150° L/hr (gal/hr)		EPA	EU	CO2
Variable Speed											
KTA19-M2	379	521	608	1500	Continuous	80.2 (20.9)	66.4 (17.5)	1	—	—	—
KTA19-M3	385	527	608	1500	Continuous	80.3 (20.9)	71.7 (18.7)	1	—	—	—
KDA19-M2	437	608	608	1500	Continuous	111.1 (29.4)	79.0 (20.7)	1	—	—	—
KTA19-M3	447	608	608	1500	Continuous	110.9 (29.3)	82.6 (21.5)	2	—	—	—
KDA19-M3	477	659	640	1500	Heavy Duty	119.6 (31.2)	84.1 (22.0)	1	—	—	—
KDA19-M4	627	710	705	2100	Heavy Duty	138.5 (36.0)	91.7 (24.0)	1	—	—	—
Fixed Speed											
KDA19-DEA	330	456	450	1500 (50 Hz)	Prime	82.3 (21.8)	44.0 (11.5)	—	—	—	—
KDA19-DEB	385	487	480	1500 (50 Hz)	Prime	81.3 (21.4)	47.1 (12.3)	2	—	—	—
KDA19-DEA	382	522	525	1800 (60 Hz)	Prime	86.4 (22.8)	53.6 (14.2)	—	—	—	—
KDA19-DEB	400	548	540	1500 (50 Hz)	Prime	80.5 (20.5)	49.5 (13.1)	1	—	—	—
KDA19-DEB	470	658	650	1500 (50 Hz)	Prime	100.6 (27.1)	52.6 (13.8)	2	—	—	—
KDA19-DEB	525	728	670	1800 (60 Hz)	Prime	108.4 (28.1)	58.9 (15.5)	2	—	—	—
KDA19-DEB	647	898	890	1800 (60 Hz)	Prime	127.6 (33.4)	64.2 (17.0)	—	—	—	—
KDA19-DEB	482	659	620	1800 (60 Hz)	Prime	110.0 (29.2)	68.3 (18.0)	1	—	—	—
KDA19-DEB	485	659	650	1800 (60 Hz)	Prime	120.6 (31.8)	64.7 (17.1)	2	—	—	—
KDA19-DEB	687	940	890	1800 (60 Hz)	Prime	122.3 (32.3)	62.5 (16.5)	—	—	—	—

1. Average fuel consumption based on 150° (15.73 Standard Test Cycle (variable speed engine) and 150° (17.74 Standard Test Cycle (fixed speed engine))

Manual Engine Cummins Kta19

A.F. Alber



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1. Understanding the eBook Manual Engine Cummins Kta19
 - The Rise of Digital Reading Manual Engine Cummins Kta19
 - Advantages of eBooks Over Traditional Books
2. Identifying Manual Engine Cummins Kta19
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Manual Engine Cummins Kta19
 - User-Friendly Interface
4. Exploring eBook Recommendations from Manual Engine Cummins Kta19
 - Personalized Recommendations
 - Manual Engine Cummins Kta19 User Reviews and Ratings
 - Manual Engine Cummins Kta19 and Bestseller Lists
5. Accessing Manual Engine Cummins Kta19 Free and Paid eBooks

- Manual Engine Cummins Kta19 Public Domain eBooks
- Manual Engine Cummins Kta19 eBook Subscription Services
- Manual Engine Cummins Kta19 Budget-Friendly Options
- 6. Navigating Manual Engine Cummins Kta19 eBook Formats
 - ePub, PDF, MOBI, and More
 - Manual Engine Cummins Kta19 Compatibility with Devices
 - Manual Engine Cummins Kta19 Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Manual Engine Cummins Kta19
 - Highlighting and Note-Taking Manual Engine Cummins Kta19
 - Interactive Elements Manual Engine Cummins Kta19
- 8. Staying Engaged with Manual Engine Cummins Kta19
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Manual Engine Cummins Kta19
- 9. Balancing eBooks and Physical Books Manual Engine Cummins Kta19
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Manual Engine Cummins Kta19
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Manual Engine Cummins Kta19
 - Setting Reading Goals Manual Engine Cummins Kta19
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Manual Engine Cummins Kta19
 - Fact-Checking eBook Content of Manual Engine Cummins Kta19
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development

- Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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