



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	507	505	1500	Continuous	80.2 (20.9)	66.4 (17.5)	1	—	—	—
KTA19-M3	385	521	520	1500	Continuous	80.3 (20.9)	71.7 (18.7)	1	—	—	—
KDA19-M2	437	608	605	1500	Continuous	111.1 (29.4)	79.0 (20.7)	1	—	—	—
KTA19-M3	447	608	605	1500	Continuous	110.9 (29.3)	62.6 (16.5)	2	—	—	—
KDA19-M3	477	659	656	1500	Heavy Duty	119.6 (31.2)	64.1 (16.7)	1	—	—	—
KDA19-M4	527	713	705	2100	Heavy Duty	138.5 (36.0)	61.7 (16.3)	1	—	—	—
Fixed Speed											
KDA19-DEA	335	455	450	1500 (50 Hz)	Prime	82.3 (21.8)	44.0 (11.5)	—	—	—	—
KDA19-DEB	355	487	480	1500 (50 Hz)	Prime	81.3 (21.4)	47.1 (12.3)	2	—	—	—
KDA19-DEA	362	502	525	1800 (60 Hz)	Prime	86.4 (22.8)	53.6 (14.2)	—	—	—	—
KDA19-DEB	402	548	540	1500 (50 Hz)	Prime	80.3 (20.9)	49.5 (12.7)	1	—	—	—
KDA19-DEB	470	638	630	1500 (50 Hz)	Prime	103.6 (27.1)	52.6 (13.8)	2	—	—	—
KDA19-DEB	525	709	675	1800 (60 Hz)	Prime	106.4 (28.1)	58.9 (15.5)	2	—	—	—
KTA19-DEA	447	608	600	1500 (50 Hz)	Prime	107.6 (28.4)	64.2 (16.8)	—	—	—	—
KDA19-DEA	482	659	620	1800 (60 Hz)	Prime	110.9 (29.3)	68.3 (18.1)	1	—	—	—
KDA19-DEB	485	659	650	1800 (60 Hz)	Prime	120.6 (31.6)	64.7 (17.1)	2	—	—	—
KDA19-DEB	587	800	800	1800 (60 Hz)	Prime	122.3 (32.3)	62.5 (16.5)	—	—	—	—

1. Average fuel consumption based on 150° (15.7° Standard Test Cycle (variable speed engine) and 150° (17.9° Standard Test Cycle (fixed speed engine))

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Cummins Engine Company



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Table of Contents Kta 19 G9 Cummins Engine Workshop Manual

1. Understanding the eBook Kta 19 G9 Cummins Engine Workshop Manual
 - The Rise of Digital Reading Kta 19 G9 Cummins Engine Workshop Manual
 - Advantages of eBooks Over Traditional Books
2. Identifying Kta 19 G9 Cummins Engine Workshop Manual
 - 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 Kta 19 G9 Cummins Engine Workshop Manual
 - User-Friendly Interface

4. Exploring eBook Recommendations from Kta 19 G9 Cummins Engine Workshop Manual
 - Personalized Recommendations
 - Kta 19 G9 Cummins Engine Workshop Manual User Reviews and Ratings
 - Kta 19 G9 Cummins Engine Workshop Manual and Bestseller Lists
5. Accessing Kta 19 G9 Cummins Engine Workshop Manual Free and Paid eBooks
 - Kta 19 G9 Cummins Engine Workshop Manual Public Domain eBooks
 - Kta 19 G9 Cummins Engine Workshop Manual eBook Subscription Services
 - Kta 19 G9 Cummins Engine Workshop Manual Budget-Friendly Options
6. Navigating Kta 19 G9 Cummins Engine Workshop Manual eBook Formats
 - ePub, PDF, MOBI, and More
 - Kta 19 G9 Cummins Engine Workshop Manual Compatibility with Devices
 - Kta 19 G9 Cummins Engine Workshop Manual Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Kta 19 G9 Cummins Engine Workshop Manual
 - Highlighting and Note-Taking Kta 19 G9 Cummins Engine Workshop Manual
 - Interactive Elements Kta 19 G9 Cummins Engine Workshop Manual
8. Staying Engaged with Kta 19 G9 Cummins Engine Workshop Manual
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Kta 19 G9 Cummins Engine Workshop Manual
9. Balancing eBooks and Physical Books Kta 19 G9 Cummins Engine Workshop Manual
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Kta 19 G9 Cummins Engine Workshop Manual
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Kta 19 G9 Cummins Engine Workshop Manual
 - Setting Reading Goals Kta 19 G9 Cummins Engine Workshop Manual
 - Carving Out Dedicated Reading Time

12. Sourcing Reliable Information of Kta 19 G9 Cummins Engine Workshop Manual
 - Fact-Checking eBook Content of Kta 19 G9 Cummins Engine Workshop Manual
 - 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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