



# 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 <sup>3</sup> )
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)	82.6 (21.5)	2	—	—	—
KDA19-M3	477	659	656	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											
KDA19-05A	535	456	455	1500 (50 Hz)	Prime	82.3 (21.8)	44.0 (11.5)	—	—	—	—
KDA19-05B	565	487	486	1500 (50 Hz)	Prime	81.3 (21.4)	47.1 (12.3)	2	—	—	—
KDA19-05A	582	502	501	1800 (60 Hz)	Prime	86.4 (22.8)	53.6 (14.2)	—	—	—	—
KDA19-05A	602	546	545	1500 (50 Hz)	Prime	80.3 (20.9)	49.5 (13.1)	1	—	—	—
KDA19-05B	670	558	557	1500 (50 Hz)	Prime	103.6 (27.1)	52.6 (13.8)	2	—	—	—
KDA19-05B	682	578	575	1800 (60 Hz)	Prime	106.4 (28.1)	58.9 (15.5)	2	—	—	—
KDA19-05A	647	608	605	1800 (60 Hz)	Prime	107.6 (28.4)	64.2 (16.8)	—	—	—	—
KDA19-05A	682	628	625	1800 (60 Hz)	Prime	110.9 (29.3)	68.3 (18.1)	1	—	—	—
KDA19-05B	685	659	656	1800 (60 Hz)	Prime	120.6 (31.6)	64.7 (17.1)	2	—	—	—
KDA19-05A	687	680	676	1800 (60 Hz)	Prime	122.3 (32.3)	62.5 (16.5)	—	—	—	—

1. Average fuel consumption based on 150° (30°) 15. EPA (Standard Test Cycle (variable speed and fixed) and 150° 30° (Standard Test Cycle (fixed speed only)).

# Kta 19 G9 Cummins Engine Workshop Manual

**Cummins Engine Company**



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