



# KTA38

## Marine Propulsion & Auxiliary Engines IMO Tier I certified

### Specifications

<b>Configuration</b>	V-12 cylinder, 4 stroke diesel
<b>Bore &amp; Stroke</b>	159 mm X 159 mm (6.25 in X 6.25 in)
<b>Displacement</b>	38 L (2300 in <sup>3</sup> )
<b>Rotation</b>	Counterclockwise facing flywheel
<b>Aspiration</b>	Turbocharged/Aftercooled
<b>Emissions</b>	IMO Tier I



### Dimensions

<b>Length</b>	2152 mm	84 in
<b>Width</b>	1462 mm	58 in
<b>Height</b>	2083 mm	82 in
<b>Weight</b>	4218 kg	9300 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)
<b>Variable Speed</b>						
KTA38-M0	559	750	1600	Continuous	145.5 (38.4)	102.6 (27.1)
KTA38-M0	597	800	1800	Continuous	155.6 (41.1)	106.4 (28.1)
KTA38-M0	634	850	1800	Continuous	162.1 (42.8)	115.9 (30.6)
KTA38-M1	671	900	1600	Continuous	169.6 (44.8)	120.0 (31.7)
KTA38-M1	746	1000	1800	Continuous	185.1 (48.9)	132.3 (34.9)
KTA38-M1	821	1100	1800	Heavy Duty	200.3 (52.9)	144.8 (38.3)
KTA38-M2	783	1050	1600	Continuous	201.5 (53.2)	138.0 (36.5)
KTA38-M2	895	1200	1800	Continuous	224.5 (59.3)	155.2 (41.0)
KTA38-M2	969	1300	1800	Heavy Duty	239.2 (63.2)	158.2 (41.8)
KTA38-M2	1007	1350	1900	Heavy Duty	250.4 (66.1)	172.6 (45.6)
KTA38-M2	1007	1350	1950	Heavy Duty	253.9 (67.1)	174.1 (46.0)
KTA38-M2	1044	1400	1950	MCD	256.7 (67.8)	179.0 (47.3)
KTA38-M2	1119	1500	2050	Intermittent	279.0 (73.7)	197.6 (52.2)

The Right Technology. **Matters.**

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## Ratings (Continued)

Engine Model	Output Power		Engine Speed RPM	Rating Definition	Fuel Consumption	
	kW	HP			Rated Speed L/hr (gal/hr)	ISO* L/hr (gal/hr)
<b>Fixed Speed</b>						
KTA38-D(M1)	746	1000	1500 (50 Hz)	Prime	176.8 (46.7)	91.7 (24.2)
KTA38-D(M1)	821	1100	1800 (60 Hz)	Prime	195.7 (51.7)	104.0 (27.5)
KTA38-D(M1)	880	1180	1500 (50 Hz)	Prime	206.3 (54.5)	104.1 (27.5)
KTA38-D(M1)	970	1300	1800 (60 Hz)	Prime	226.7 (59.9)	122.2 (32.3)

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

## Features and Benefits

**Engine Design** - Low profile for ease of installation and service. Replaceable wet cylinder liners offer longer life and lower rebuild cost. 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

**Cooling System** - Keel cooled or engine mounted plate heat exchanger for reduced installation cost and less maintenance. Spin-on Cummins water treatment filters for protection against cooling system corrosion

**Exhaust System** - Dry exhaust manifold with water shielding for reduced fuel consumption and improved performance

**Air System** - Marine grade air filters with air inlet restriction indicator. Twin Cummins turbochargers

optimized for marine usage

**Lubrication System** - Standard (114 L [30 gal]) or high capacity (185 L [49 gal]) marine grade oil pan. Cummins spin-on oil filter cartridge available handed for simplified service

**Electronics** - 24-volt standard electrical system with 12-volt option available. Marine grade wiring harness

**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** - Contact your local Cummins professional for a list of optional equipment available on this engine



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