



KTA38

Marine Propulsion & Auxiliary Engines

Specifications

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



Dimensions

Length	2152 mm	84 in
Width	1462 mm	58 in
Height	2083 mm	82 in
Weight	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)
Variable Speed						
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.**

KTA38

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)
Fixed Speed						
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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