

TDI 4.2

TDI® SERIES ENGINE



Engine Overview

- Unmatched performance from an engine that powers exclusive, power-oriented vehicles like the AUDI® Q7® and A8® packaged in a propulsion system designed specifically for marine applications
- Excellent acceleration enabled by exceptional torque at low engine speeds reduces time to plane
- Fuel savings versus gasoline options will approach 50 percent in many cases, extending range correspondingly
- High-power engine allows replacement of big block gasoline V-8 without sacrifice in acceleration or top speed
- Peace of mind is delivered by Mercury Marine's global service network
- Industry-leading horsepower-to-weight ratio

Power Ratings

Rating	HO
Metric hp	350
kW	257
Rated rpm	4200
Max Torque ft-lbs	522
Max Torque N-m	708
rpm @ max torque	1900

Engine Specifications

Configuration	8-cylinder V, 4-stroke diesel
Bore & Stroke	83 mm x 95.5 mm (3.27 in x 3.75 in)
Displacement	4.2 L (252 in³)
Aspiration	Twin VTG (Variable Turbine Geometry) Turbos

Ratings and specifications subject to change without notice. Not responsible for typographical errors.

Features

Fuel System: TDI technology with common rail fuel injection system provides precise fuel control, nearly eliminating the traditional noisy sound associated with diesels, producing exceptional fuel economy and nearly no smoke or smell

Electrical System: 12 Volt

Alternator: 120 A

Coolant System: Thermostatically controlled, closed-coolant engine, providing the ultimate in engine corrosion resistance, complete water-jacketed turbo chargers and exhaust system, reducing excessive engine compartment temperatures, water-cooled engine oil, gear oil and steering fluid, if applicable, extending the life of these systems

Emissions: EPA Tier 2, IMO Tier II, and RCD certified



MERCURY
Diesel TDI®

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Fuel Consumption (Prop Curve)

Rating	TDI 4.2L 350 HO			
rpm	1000	2000	3000	4200
kW	7.1	40.2	111	257
l/hr	2.7	11.8	31.0	76.4
hp	9.6	54.7	151	350
gal/hr	0.7	3.1	8.2	20.2

For more details on fuel consumption specifics please contact Mercury Marine

Engine Dimensions

Length		Width		Height		Weight (Dry)	
mm	in	mm	in	mm	in	kg	lb
1248	49.1	795	31.3	837	33.3	368	811

* Weight is engine with heat exchanger system - average.
Length is between front end of engine and inside of transom for sterndrive
Overall width and height.

Available Accessories

Instrumentation: Analog gauges provide data on engine speed, oil pressure, battery voltage and coolant temperature. Drive trim for sterndrive applications.

Drive Capability: TDI 4.2 is available with Bravo One and Bravo Three sterndrives or ZF inboard transmissions.

Ratings Definitions

High Output (HO): Intended for infrequent use in variable load applications, where full power is limited to one hour out of every eight hours of operation. Also, reduced power operation must be at or below cruise speed (rpm). Cruise speed (rpm) is dependent on the engine rated speed (rpm), refer to table on reverse side. For applications operating less than 500 hours per year. Engines with this rating are intended for powering recreational/pleasure use vessels only. Commercial use is defined as any work or employment related use of the product, or any use of the product which generates income, for any part of the warranty period, even if the product is only occasionally used for such purposes.

Rating Conditions: Declared power ratings are based upon ISO 15550 reference conditions/ air pressure of 100kPa (29.612 in Hg) air temperature of 25°C (77°F) and 30% relative humidity. Propeller Shaft Power represents the net power available after typical reverse/reduction gear losses and is 97% of rated power. Power rated in accordance with IMCI procedures.

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Drive Options

Available with Bravo One® and Bravo Three® sterndrives or ZF inboard transmissions.

