

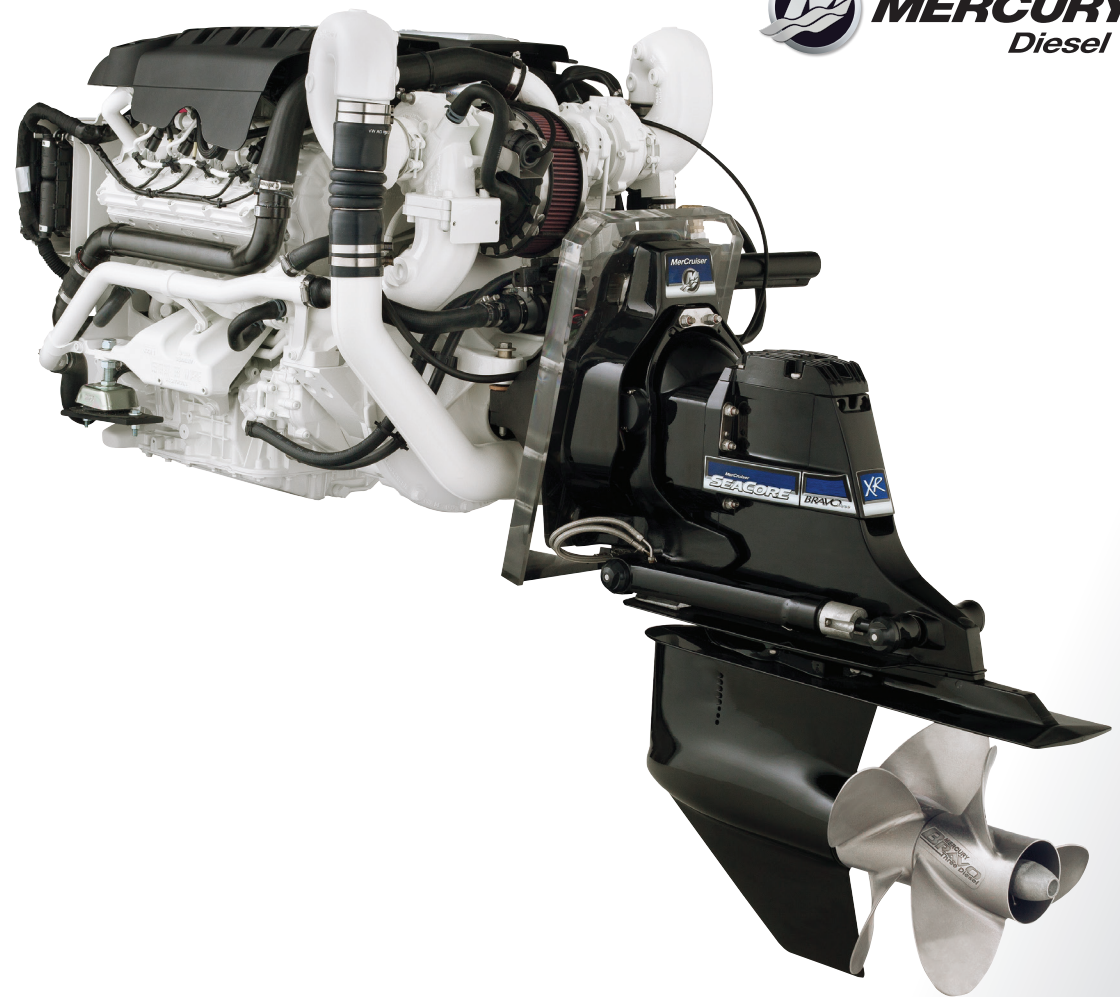
TDI 4.2L V-8

Setting the Standard

This Mercury Diesel TDI engine sets a new benchmark for low noise and vibration, with an industry-leading, unmatched power-to-weight ratio that delivers outstanding acceleration. This is made possible through twin variable-geometry turbochargers which provide peak torque at 2750 rpm with virtually no turbo lag.

Built on a proven platform and boasting additional power options, the latest Mercury Diesel TDI engines are fully Mercury SmartCraft-compatible, allowing boaters to access dozens of engine, boat and navigation functions with Mercury's extensive selection of SmartCraft digital gauges and multi-function displays.

SmartCraft compatibility also enables boaters to specify optional Digital Throttle & Shift (DTS) control systems and Mercury Axis Joystick docking control.



Features

Engine

- Aluminum cylinder heads
- CGI-450 cylinder block
- Light weight, high strength with max heat transfer for optimal cooling
- Block, 90-degree V8

Lubrication System

- Chain-driven oil pump
- Glycol-cooled oil cooler
- Self-draining oil filter for clean filter changes

Fuel System

- TDI technology
- Common rail fuel injection for precise fuel control
- Piezo injectors

Electrical System

- 12 volt system and 140 A alternator

Cooling System

- Thermostat controlled
- Closed-coolant engine for corrosion resistance
- Seawater cooled charge air cooler

Exhaust System

- Closed cooled manifolds
- Closed cooled turbochargers
- Seawater cooled risers

Turbocharger

- Twin-turbocharged
- Variable geometry turbines to eliminate turbo lag
- Closed cooled

Emissions

- EPA Tier 3 / RCD 2 / IMO 2 / BSO 2

Noise Level

- 70 dB

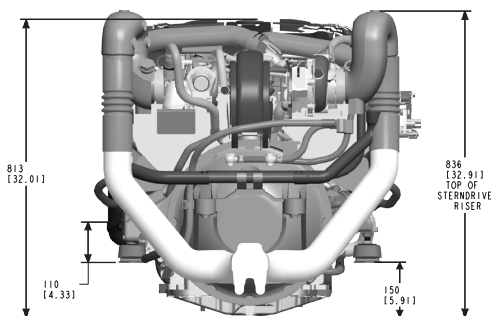
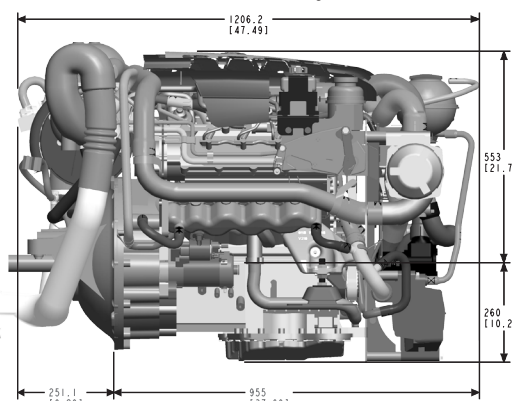
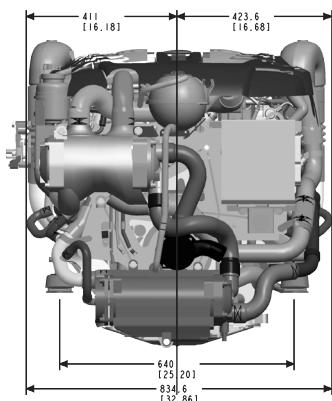
Intake

- Cast aluminum single plenum

Model	4.2L 335	4.2L 370
Engine Duty Ratio	Recreational, Light Duty Commercial	Recreational
Configuration	8-cylinder, 4-stroke diesel	8-cylinder, 4-stroke diesel
Output (kW/mhp)	246 / 335	272 / 370
Rated RPM	4200	4200
Cylinders	V-8	V-8
Displacement (L/in ³)	4.2 / 252	4.2 / 252
Bore x Stroke (mm/in)	83 x 95.5 / 3.27 x 3.76	83 x 95.5 / 3.27 x 3.76
Compression Ratio	16.4	16.4
Max Torque (Nm/ft-lb)	655 / 483 @ 2000 rpm	782 / 577 @ 2750 rpm
Dry Weight (kg/lb)	379 / 836	379 / 836
Propulsion System	Sterndrive and Inboard	Sterndrive and Inboard
Emission Certification	EPA TIER 3 / RCD 2 / IMO 2	EPA TIER 3 / RCD 2 / IMO 2

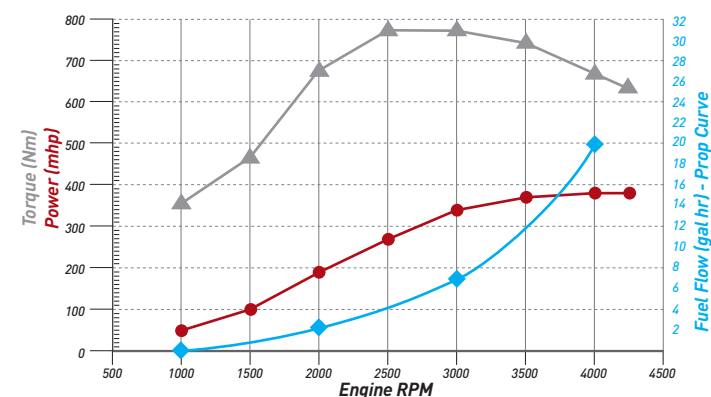
Propulsion System	Model	4.2L 335	4.2L 370	Weight (kg/lb)
Sterndrive*	Bravo One XR	1.35:1 / 1.50:1	1.35:1 / 1.50:1	100 / 220
	Bravo Two XR	1.65:1	1.65:1	105 / 231
	Bravo Three XR	1.65:1 / 1.81:1	1.65:1 / 1.81:1	109 / 240
Inboard	ZF 63	1.25:1 / 1.51:1 / 1.93:1	1.25:1 / 1.51:1 / 1.93:1	46 / 103
	ZF 63A	1.56:1 / 2.03:1 / 2.52:1 / 2.68:1	1.56:1 / 2.03:1	44 / 97
	ZF 63IV	1.29:1 / 1.56:1 / 1.99:1 / 2.47:1	1.29:1 / 1.56:1 / 1.99:1 / 2.47:1	62 / 136

*Weights reflect sterndrive & transom



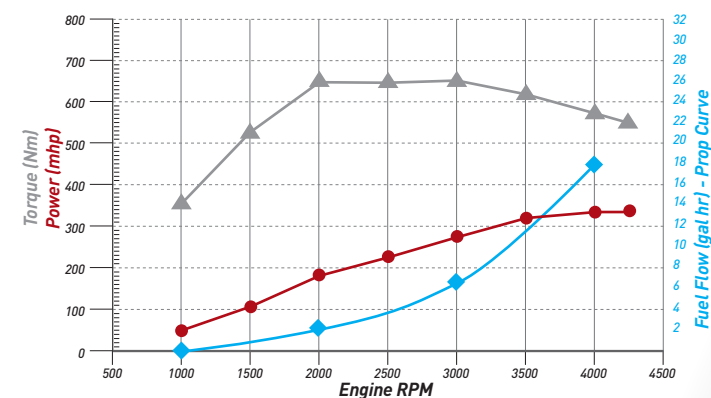
Dimensions	4.2L 335	4.2L 370
Length (mm/in)	1206 / 47.5	1206 / 47.5
Width (mm/in)	835 / 32.8	835 / 32.8
Height (mm/in)	836 / 32.9	836 / 32.9
Weight (kg/lb)	379 / 836	379 / 836

4.2L 370



4.2L 370			
RPM	Torque (Nm/ft-lb)	Power (kW/mhp)	Fuel Flow (l/hr / gal/hr)
1000	311 / 230	33 / 44	2.2 / 0.6
2000	678 / 500	141 / 192	10.3 / 2.7
3000	775 / 572	244 / 331	29.4 / 7.8
4200	638 / 471	272 / 370	77.6 / 20.5

4.2L 335



4.2L 335			
RPM	Torque (Nm/ft-lb)	Power (kW/mhp)	Fuel Flow (l/hr / gal/hr)
1000	340 / 251	36 / 49	2.0 / 0.5
2000	655 / 483	138 / 188	9.4 / 2.5
3000	653 / 482	207 / 281	27.4 / 7.2
4200	551 / 406	244 / 332	69.9 / 18.5

Dimension specifications subject to change without notice.