

Tiara 43

Twin Cummins® QSM11 Diesels, 715hp



PERFORMANCE REPORT

Date tested: 4/14/2010 Test Engineer: Adam Rolinski
 Hull Number: SSURB001K911
 Location: Ft. Pierce Florida, IntraCoastal Waterway
 Weather: Wind East @ 15 mph, Waves 6"
 Water / Air Temp: 80 / 85

Propeller: Michigan Wheel EQX 29 x 39 x 4, .85EAR #5 Cup
 Gear Ratio: ZF325-1A @ 2.037:1
 Fuel Capacity: 600 gallons
 Fuel/Water/Waste: 100%/100%/100%
 People on Board: 4 people
 Gear on Board: 150 lbs.
 Boat Equipment: Tournament Hardtop Installed

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|--------------------------|---|
| PERFORMANCE: | |
| Acceleration: | 13.5 seconds to 32.1 smph / 18 seconds to 37.8 smph |
| Optimum Cruise Speed: | 32.1 mph @ 2000 RPM / 37.8 mph @ 2300 RPM |
| Range at Optimum Cruise: | 402 / 340 Statute Miles |

| RPM | MPH | Knots | GPH | SMPG | NMPG | dB,A | Trim Angle (Degrees) | Estimated Range (Statute Miles) | Estimated Range (Nautical Miles) |
|------|------|-------|------|------|------|------|----------------------|---------------------------------|----------------------------------|
| 600 | 7.4 | 6.5 | 2.5 | 3.04 | 2.64 | 73 | 0.3 | 1640 | 1425 |
| 800 | 9.5 | 8.2 | 5.1 | 1.86 | 1.62 | 75 | 1.3 | 1004 | 872 |
| 993 | 10.5 | 9.1 | 9.5 | 1.11 | 0.96 | 79 | 2.9 | 598 | 520 |
| 1207 | 11.2 | 9.7 | 17.7 | 0.63 | 0.55 | 82 | 5.8 | 342 | 298 |
| 1404 | 17.8 | 15.4 | 22.4 | 0.79 | 0.69 | 82 | 5.9 | 428 | 372 |
| 1601 | 22.6 | 19.7 | 27.8 | 0.81 | 0.71 | 84 | 6.6 | 439 | 381 |
| 1803 | 28.0 | 24.4 | 34.5 | 0.81 | 0.71 | 85 | 5.9 | 439 | 382 |
| 2001 | 32.1 | 27.9 | 43.2 | 0.74 | 0.65 | 86 | 5.1 | 402 | 349 |
| 2094 | 34.0 | 29.5 | 47.8 | 0.71 | 0.62 | 87 | 4.9 | 384 | 334 |
| 2203 | 36.1 | 31.4 | 54.3 | 0.67 | 0.58 | 87 | 4.6 | 359 | 312 |
| 2301 | 37.8 | 32.9 | 60.1 | 0.63 | 0.55 | 89 | 4.3 | 340 | 296 |
| 2398 | 39.3 | 34.2 | 65.2 | 0.60 | 0.52 | 89 | 4.6 | 326 | 283 |
| 2496 | 41.0 | 35.6 | 70.6 | 0.58 | 0.50 | 90 | 4.1 | 313 | 272 |
| 2522 | 41.3 | 35.8 | 73.3 | 0.56 | 0.49 | 90 | 3.9 | 304 | 264 |

Note:
 Speed determined by GPS, GPH based on the total usage for the engines. MPG computed from MPH and GPH figures shown.
 Range based on calculated MPG and 90% of total fuel capacity. The Performance data shown above should be considered valid only for the specific boat whose serial number is shown and on the date this test was performed.
 Many factors may affect actual performance obtained on this boat or on similar boats. These include but are not limited to, installation of certain options such as tuna towers, hard tops, vessel loading and trim, weather and sea conditions, engine and boat condition, propeller condition, water temperature, altitude, manufacturing tolerances, etc. Tiara Yachts make no guarantees whatsoever that this performance will be repeated on this boat at a later date or at any time on a similarly equipped boat.