

TIARA YACHTS 34 LX

Twin Mercury 350 Verado JPO



PERFORMANCE REPORT

Date tested: 12/16/2019 Test Engineer: Chris Caropepe
Jason Romig

Hull Number: SSUBA011K920
Location: Lake X - St. Cloud, FL
Weather: Wind SSE 5-10 kts / Waves < 1'
Water / Air Temp: 75 / 78

Engine Mounting: Holes 3 & 5
Propeller: Mercury Enertia ECO 3-Blade SS 16" x 17 pitch
Gear & Gear Ratio: 1.75:1
Fuel Capacity: 200 gallons
Fuel/Water/Waste: 100%/100%/100%
People on Board: 2
Gear on Board: 450 LBS Includes personnel and test equipment
Test Weight: 15893 LBS

PERFORMANCE:
Acceleration: 8 Seconds to 20 smph / 12 Seconds to 30 smph
Optimum Cruise Speed: 35.3 mph @ 4500 RPM
Range at Optimum Cruise: 214 Statute Miles

| RPM | MPH | Knots | GPH | Statute MPG | Nautical MPG | dB,A | Trim Angle (degrees) | Estimated Range (Statute Miles) | Estimated Range (Nautical Miles) |
|------|------|-------|------|-------------|--------------|------|----------------------|---------------------------------|----------------------------------|
| 600 | 2.7 | 2.4 | 1.2 | 2.29 | 1.99 | 64 | 0.0 | 412 | 358 |
| 1000 | 4.7 | 4.1 | 2.3 | 2.03 | 1.77 | 64 | 0.0 | 366 | 318 |
| 1500 | 7.6 | 6.6 | 3.6 | 2.07 | 1.80 | 70 | 0.2 | 372 | 324 |
| 2000 | 9.3 | 8.1 | 5.9 | 1.58 | 1.38 | 74 | 1.9 | 285 | 248 |
| 2500 | 10.1 | 8.8 | 9.7 | 1.05 | 0.91 | 78 | 3.6 | 189 | 164 |
| 3000 | 11.6 | 10.1 | 14.1 | 0.83 | 0.72 | 72 | 5.4 | 149 | 129 |
| 3500 | 17.1 | 14.9 | 18.0 | 0.95 | 0.83 | 84 | 5.0 | 171 | 149 |
| 4000 | 26.1 | 22.7 | 24.2 | 1.08 | 0.94 | 84 | 5.6 | 194 | 168 |
| 4500 | 35.3 | 30.7 | 29.6 | 1.19 | 1.03 | 85 | 4.6 | 214 | 186 |
| 5000 | 40.6 | 35.3 | 38.2 | 1.06 | 0.92 | 87 | 4.2 | 191 | 166 |
| 5500 | 45.5 | 39.6 | 49.8 | 0.91 | 0.79 | 88 | 3.7 | 164 | 143 |
| 6381 | 47.2 | 41.0 | 61.1 | 0.77 | 0.67 | 88 | 4.5 | 139 | 121 |

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.

This boat has passed the ABYC Quick Turn Test H-26.8.3.1 at WOT.