# PERFORMANCE BULLETIN

**Boat Manufactured By:**

TIDEWATER boats
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## TIDEWATER 2500 CAROLINA BAY

| | |
|---|---|
| Length | 25' 2" |
| Beam | 9' 2" |
| Dry Weight (Boat Mfr. Pub) | 3,550 lbs |
| Maximum HP | 400 hp |
| Fuel Capacity | 74 gal |
| Weight as Tested | 4,963 lbs |

## F350XSA2

| | |
|---|---|
| Horsepower | 350 hp |
| Induction | EFI/VCT/DOHC |
| Displacement | 4.3L |
| Weight (Estimated) | 629 lbs |
| Gear Ratio | 1.75:1 |

## ENGINE MOUNTING HEIGHT

| | |
|---|---|
| Mounting Hole Position | #2 |
| Ventilation Plate Height | 2" Above Boat Bottom |

## PROPELLER(S)

| | |
|---|---|
| Series | Saltwater Series II HP |
| Diameter x Pitch | 15 x 20 |
| Yamaha Part # | 6KA-45974-00-00 |
| Propeller Material | Stainless Steel |

## TEST CONDITIONS

| | |
|---|---|
| Number of People | 1 |
| Air / Water Temperature (Fahrenheit) | 88° F / 85° F |
| Elevation (in feet above sea level) | 177' |
| Wind Velocity | 0-5 MPH |

## COMMENTS

Test weight includes 74 gallons of fuel, 2 batteries, 10" jack plate, twin Power Poles, safety and test equipment.

**YPB#:** PB_TIO_2500 Carolina Bay _F350XSA2_8-19-2024_BAY

***Engine:*** *Yamaha F350XSA2*

***Boat:*** *Tidewater 2500 Carolina Bay*

***Configuration:*** *Single*

***Test Date:*** *19-Aug-2024*




## PERFORMANCE DATA

| RPM | MPH | GPH | MPG |
|---|---|---|---|
| 1000 | 5.3 | 1.3 | 4.08 |
| 1500 | 7.2 | 2.4 | 3.00 |
| 2000 | 8.6 | 4.3 | 2.00 |
| 2500 | 12.2 | 7.2 | 1.69 |
| 3000 | 26.0 | 7.8 | 3.33 |
| **3500** | **33.3** | **9.3** | **3.58** |
| 4000 | 39.4 | 12.3 | 3.20 |
| 4500 | 44.9 | 14.9 | 3.01 |
| 5000 | 50.4 | 20.0 | 2.52 |
| 5500 | 56.0 | 25.5 | 2.20 |
| **6000** | **60.4** | **29.7** | **2.03** |

**Time to Plane: 8.20 seconds<br /> 0-30 MPH: 12.16 seconds**

**NOTICE TO CONSUMER**
The information and data contained in this Performance Bulletin is approximate and subject to many different factors and variables. It is provided as a guideline only and should not be relied upon as representative of actual performance. Your boat's performance may be different than the information contained in this Performance Bulletin due to various factors, including your boat's actual weight, wind and water conditions, temperature, humidity, elevation, bottom paint, boat options affecting wind/water drag and/or boat weight, and operator ability. Please confirm the specifications and performance data on your specific boat/engine combination with your dealer prior to purchase. Please also keep in mind that the data contained in this Performance Bulletin may or may not have been performed using Yamaha PowerMatched components. Yamaha reserves the right to change the specifications and performance data of this Performance Bulletin or engine without notice. This document contains many of Yamaha's valuable trademarks. It may also contain trademarks belonging to other companies. Any references to other companies or their products are for identification purposes only, and are not intended to be an endorsement.