# EVINRUDE E-TEC PERFORMANCE REPORT

**BULLETIN #:** 1198 **BOAT TYPE:** Pontoon **DATE OF TEST:** 6/26/2016
**ENGINE 1:** C150FXH


**BRP US, Inc.**
**10101 Science Drive**
**Sturtevant, WI 52177**
**www.evinrude.com**

Manitou

**Triton Industries, Inc.**
**16020 S. Lowell Rd.**
**Lansing, MI 48906**
**517-322-3822**
**www.manitoupontoonboats.com**


**2016 Manitou Encore 23 SHP**

## BOAT

**2016 Manitou Encore 23 SHP**

| | |
|---|---|
| Material | Aluminum |
| Length | 24' 4" |
| Beam | 8' 6" |
| Weight w/o Engine | 3100 LBS |
| Maximum HP | 250 HP |
| Fuel Capacity | 44 Gallons |
| Transom Height | 25" |
| Steering | DPS |

## ENGINE

**Evinrude® E-TEC® G2™ 150 H.O.**

| | |
|---|---|
| Engine Type | 66° V-6 |
| Horsepower | 150 H.O. |
| Displacement | 167 cu in / 2.7L |
| Induction | E-TEC® D.I. |
| Operating Range | 5000 to 6000 RPM |
| Weight | 541 LBS Dry Weight |
| Gear Ratio | 2.17:1 |

## PROPELLER

**Rebel™**

| | |
|---|---|
| Material | Stainless |
| Diameter/Pitch | 15.5" / 17" |
| No. of Blades | 3 |
| Part Number | 763986 |
| Prop Vent Hole | NA |

## MOUNTING HEIGHT

| | |
|---|---|
| Hole Position | #2 |
| Jack Plate | No |
| AV Mounting | 0 |

## PERFORMANCE DATA

| RPM | MPH | GPH | MPG | RANGE |
|---|---|---|---|---|
| 500 | 1.70 | 0.10 | 17.00 | 673 |
| 1000 | 4.15 | 0.50 | 8.30 | 329 |
| 1500 | 5.65 | 1.00 | 5.65 | 224 |
| 2000 | 7.00 | 1.70 | 4.12 | 163 |
| 2500 | 11.60 | 2.75 | 4.22 | 167 |
| 3000 | 15.35 | 3.35 | 4.58 | 181 |
| 3500 | 19.60 | 4.80 | 4.08 | 162 |
| 4000 | 24.50 | 6.50 | 3.77 | 149 |
| 4500 | 28.85 | 8.25 | 3.50 | 138 |
| 5000 | 33.60 | 9.95 | 3.38 | 134 |
| 5650 | 38.75 | 12.20 | 3.18 | 126 |
| 6000 | | | | |

**Fuel Data Range (Miles) Based On 90% Fuel Capacity**

## TEST CONDITIONS

| | |
|---|---|
| Water Conditions | Light Chop |
| Wind Velocity | 0-5 MPH |
| Air Temperature | 80° F |
| Fuel Load | 44 Gallons |
| Weight | 1 Adult/safety equipment |

## PERFORMANCE SUMMARY

| | |
|---|---|
| Top Speed | 38.8 MPH |
| Best Fuel Efficiency | 4.58 MPG For 181 Miles @ 15.35 MPH |
| Acceleration | 3.8 seconds to plane |

NOTE: Data may vary due to changes in weather and water conditions, elevation, load and boat bottom conditions, boat, engine and propeller options and conditions, and operator ability. Speed and fuel were calculated by NMEA 2000 I-Command. Test performed and certified by BRP OEM Applications Engineering.



EVINRUDE E-TEC