

VENTURE 13 PERFORMANCE REPORT

SPECIFICATIONS

| | |
|----------------------|--------------|
| Boat Model | Venture 13 |
| LOA | 13' |
| Beam | 6'5" |
| Dry Weight as Tested | 964 LBS |
| Wet Weight as Tested | 1045 LBS |
| Max Motor | 60 HP |
| Max Persons | 7 |
| Fuel Capacity | 14G (13.5G)* |
| Water Capacity | 8G** |

*Fuel Tank Volume (Fuel Tank Capacity)

**Shower Run Time (Sec 190s)

MOTOR

| | |
|------------------|------------------|
| Motor Tested | Honda BF60 |
| Engine Height | #2 Hole Position |
| Anti-Vent. Plate | Even With Bottom |
| Propeller | 3 x 11 1/8 x 14P |



TEST CONDITIONS

| | |
|-----------------------|-------------|
| Number of People | 2* |
| Temperature Air/Water | 75 F / 77 F |
| Elevation | 0' |
| Wind | 0-5 MPH |
| Water | Salt/Calm |

*Sitting on rear seat. 80KG/175LBS ea. x 2 = 160KG/350LBS

PERFORMANCE DATA

Without Doel Fin Wing Installed

| | |
|-------------------|------|
| Seconds to Plane: | 3.74 |
| Max Speed MPH | 36 |

| RPM | 3 x 11 1/8 x 14P | | Est Range Miles |
|--------|------------------|------|--------------------|
| | MPH | MPG | |
| 1000 | 3.8 | 11.2 | 151 |
| 2000 | 5.7 | 7.4 | 100 |
| 3000 | 7.5 | 4.4 | 59 |
| 3600 | Planing | | |
| 4000 | 19.5 | 10.1 | 136 |
| 5000 | 27 | 7.5 | 101 |
| 6000* | 32 | 5.7 | 77 |
| 6350** | 36 | 5.7 | 77 |

*Trim 5%, **Trim 90%

With Doel Fin Wing Installed

| | |
|-------------------|------|
| Seconds to Plane: | 3.44 |
| Max Speed MPH | 36 |

| RPM | 3 x 11 1/8 x 14P | | Est Range Miles |
|---------|------------------|------|--------------------|
| | MPH | MPG | |
| 1000 | 3.6 | 11.0 | 149 |
| 2000 | 5.4 | 8.0 | 108 |
| 3000 | 7.9 | 5.7 | 77 |
| 3350 | Planing | | |
| 4000 | 20 | 10.5 | 142 |
| 5000* | 27 | 7.7 | 104 |
| 6000** | 33 | 6 | 81 |
| 6350*** | 36 | 5.7 | 77 |

*Trim 33%, **Trim 49%, ***Trim 96%

Bow Rise from 0MPH to Planing Speed

5 to 17 degrees

Minimum Planing Speed

15MPH

Bow Rise at Minimum Planing Speed

10-11 degrees @ 15MPH

Bow Rise from 0MPH to Planing Speed

5 to 13 degrees

Minimum Planing Speed

13MPH

Bow Rise at Minimum Planing Speed

9 degrees @ 13MPH

COMMENTS

Test weight includes 90% tank of fuel, one battery, safety and test equipment, 4 seat console base, ski pole, ladder, rod holders, fresh water shower (empty), stereo, 9" Simrad installed, VHF radio.



VENTURE 13 PERFORMANCE REPORT HONDA BF60

| Venture 13 | Honda BF60 LS (242LBS) - 14P Prop* | |
|-------------|------------------------------------|---------------|
| Passengers | Seconds to Plane | Max Speed MPH |
| 1 (175LBS) | 3.5 | 36 |
| 2 (350 LBS) | 3.74 | 36 |
| 3 | 4.5 | 32 |
| 5 | 5 | 29 |

*Honda Item #: 59130-VZ5-014AH

| Venture 13 | Honda BF60 LS (242LBS) - Various Props | | |
|-------------|--|---------------|---------|
| Passengers | Propeller | Max Speed MPH | Max RPM |
| 1 (175 LBS) | 3 x 11 1/8 x 14P | 36 | 6350 |
| 1 (175 LBS) | 3 x 11 x 15P | 38 | 6250 |
| 1 (175 LBS) | 17P | 39 | 5450 |

Rigging Recommendations

Based on performance testing we can make the following recommendations for rigging a Venture 13 with a Honda 60HP LS.

Engine Height

Use the second hole up.

Propeller Selection

Use a 14 or 15 pitch prop depending on the most common number of passengers and use.

For most common use, with 1-2 passengers, we recommend a 15 pitch prop.

When planing with maximum people on board, or when used for tow sports (Water skiing/Tubing), we recommend a 14 pitch prop.

Use of a Wing Installed on Motor

During testing, we tested the Venture 13 with and without a Doel Fin wing. The performance results are stated above.

The Doel Fin is a relatively small wing compared with other wings available on the market; therefore, results/behavior with other wings may be greater.

The Doel Fin was chosen as it does not extend past the cavitation plate therefore not increasing the LOA of the Venture 13 when in storage.

The most significant difference in performance with vs without a wing is in how the boat behaved in chop.

With a wing installed the boat can be driven with the bow lower with the trim completely down. This resulted in a smoother, more comfortable ride in chop.

Therefore, we would recommend the use of a wing when the boat is used in consistently rough or ocean conditions.

NOTICE

The data and results in this report will vary with conditions and are intended as a reference only. Performance is likely to vary depending on various factors such as but not limited to water conditions, rigging or loading. Walker Bay can not guarantee that your boat will perform the same. Information in this report is subject to change without notice. Always drive safely and take care of your passengers and others on or in the water.