

## Performance Criteria



**Manufacturer:** Northwest Jet  
**Model:** 196 Freedom Outboard

|                |            |
|----------------|------------|
| Length:        | 19' 6"     |
| Beam:          | 8'         |
| Weight:        | 1,760 lbs. |
| Max HP:        | 150        |
| Fuel Capacity: | 54 gal.    |

| RPM        | MPH  | GPH | MPG |
|------------|------|-----|-----|
| Idle       | 3.2  |     |     |
| 1000       | 3.6  |     |     |
| 1500       | 5.5  | .6  | 9   |
| 2000       | 6.9  | 1   | 6.9 |
| 2500       | 8.4  | 1.6 | 5.3 |
| 3000       | 11.4 | 2.2 | 5.2 |
| 3500       | 18   | 2.9 | 6.2 |
| 4000       | 22.4 | 3.7 | 6.1 |
| 4500       | 26.8 | 6.3 | 4.3 |
| 5000       | 30.8 | 8   | 3.9 |
| 5500       | 34.7 | 8.9 | 3.9 |
| WOT (5900) | 36.4 | 9.6 | 3.8 |

**Power:** Single BF90

|                        |                      |
|------------------------|----------------------|
| Horsepower:            | 90                   |
| Displacement:          | 1.5 L                |
| Weight:                | 359 lbs.             |
| Gear Ratio:            | 2.33:1               |
| Mounting Height:       | 2 <sup>nd</sup> Hole |
| Prop (Material/Blades) | Aluminum (3)         |
| Prop Manufacturer      | Solas                |
| Prop (Diameter/Pitch)  | 13 ¼ x 17            |

### Test Conditions

|                  |            |
|------------------|------------|
| No. of People:   | 2          |
| Fuel Load:       | 15 gal.    |
| Total Weight:    | 2,702 lbs. |
| Air Temperature: | 65°F       |
| Test Conditions  | Calm       |
| Elevation:       | 400'       |
| Wind Velocity:   | 0-5 mph    |

Data may vary due to changes in weather, elevation and load conditions. Speed data gathered by GPS receiver.

Time to Plane: 4.6 Seconds

Acceleration 0~20 MPH: 5 Seconds