

# Boat Performance Bulletin



| Test Date                    |  | Performance Summary                                                                              |  |                                                                                                      |  |                                            |  |
|------------------------------|--|--------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------|--|--------------------------------------------|--|
| August 29, 2025              |  | Max Performance<br><br>45 mph                  6000 rpm<br><br>24.4 gph                  1.8 mpg |  | Cruise Performance<br><br>28.5 mph                  4000 rpm<br><br>9.7 gph                  2.9 mpg |  | Acceleration 0 - 20mph                     |  |
| 5 seconds                    |  |                                                                                                  |  |                                                                                                      |  |                                            |  |
| Acceleration 0 - 30mph       |  |                                                                                                  |  |                                                                                                      |  |                                            |  |
| 8.4 seconds                  |  |                                                                                                  |  |                                                                                                      |  |                                            |  |
| Test Location                |  | Engine(s)                                                                                        |  | Propeller / Impeller                                                                                 |  | Boat                                       |  |
| Shuswap Lake, BC             |  | Number of Engines                  1                                                             |  | Name                  Enertia                                                                        |  | Boat Brand                  Kingfisher     |  |
| Air Temperature<br><br>31 °C |  | Engine Type                  Outboard                                                            |  | Material                  Stainless                                                                  |  | Boat Model                  2725 XRS       |  |
|                              |  | Engine Make                  Mercury                                                             |  | Pitch                  16                                                                            |  | Boat Type                  Aluminum/Deep V |  |
| Wind Speed                   |  | Engine Model                  Fourstroke                                                         |  | Number of Blades                  3                                                                  |  | Boat Material                  Aluminum    |  |
| 3mph SE                      |  | Horsepower                  300                                                                  |  |                                                                                                      |  | Length                  27' 11"            |  |
| Elevation                    |  | Cylinders                  8                                                                     |  |                                                                                                      |  | Beam                  8' 6"                |  |
| 1,138 ft                     |  | Drive Model / Type                  5.44"                                                        |  |                                                                                                      |  | Fuel Capacity (L)                  454     |  |
| Sea State                    |  | Gear Ratio                  1.75 : 1                                                             |  |                                                                                                      |  | Stock Number                  11524        |  |
| Calm                         |  |                                                                                                  |  |                                                                                                      |  |                                            |  |
| Load                         |  |                                                                                                  |  |                                                                                                      |  |                                            |  |
| Light                        |  |                                                                                                  |  |                                                                                                      |  |                                            |  |

| Performance |             |                        |                    |               |
|-------------|-------------|------------------------|--------------------|---------------|
| RPM Range   | Speed (mph) | Fuel Consumption (gph) | Fuel Economy (mpg) | Range (miles) |
| 1000        | 5.0         | 1.4                    | 3.6                | 428           |
| 2000        | 8.7         | 3.3                    | 2.6                | 316           |
| 3000        | 16.3        | 6.3                    | 2.6                | 310           |
| 3500        | 22.0        | 7.9                    | 2.8                | 334           |
| 4000        | 28.5        | 9.7                    | 2.9                | 352           |
| 4500        | 34.0        | 12.4                   | 2.7                | 329           |
| 5000        | 37.5        | 15.1                   | 2.5                | 298           |
| 5500        | 41.0        | 19.2                   | 2.1                | 256           |
| 6000        | 45.0        | 24.4                   | 1.8                | 221           |

Bar chart showing MPH and MPG vs RPM.

| RPM  | MPH  | MPG |
|------|------|-----|
| 1000 | 5.0  | 3.6 |
| 2000 | 8.7  | 2.6 |
| 3000 | 16.3 | 2.6 |
| 3500 | 22.0 | 2.8 |
| 4000 | 28.5 | 2.9 |
| 4500 | 34.0 | 2.7 |
| 5000 | 37.5 | 2.5 |
| 5500 | 41.0 | 2.1 |
| 6000 | 45.0 | 1.8 |