# BOAT HOUSE BULLETIN

MERCURY

## PERFORMANCE SUMMARY

**Top Speed**
(mph @ rpm)
74.8 mph/6146 rpm

**Acceleration**
0 - 20 mph (seconds)
6.38

**Acceleration**
0 - 30 mph (seconds)
9.72

MERCURY
GO BOLDLY.®

| Test Date | Air Temperature (˚F) | Sea State | Wind Velocity Range (mph) | Fresh/Salt Water |
|---|---|---|---|---|
| July 17, 2025 | 95 | Choppy | 10 | Freshwater |

## ENGINE

| | |
|---|---|
| Number of Engines | 4 |
| Engine | Verado |
| Horsepower | 400 |
| Cylinders | 10 |
| Drive or gear model and ratio | V10 AMS 2.08 |
| Engine Height (in) | 6.3, 6.0, 6.0, 6.3 |
| Engine Setback (in) | 33.0, 33.0, 33.0, 33.0 |
| Engine Length (in) | 25, 25, 25, 25 |

## PROPELLER

| | |
|---|---|
| Mercury Name | Revolution X |
| Material | Stainless Steel |
| Pitch | 29.0, 29.0, 29.0, 29.0 |
| Number of Blades | 4 |

## BOAT

| | |
|---|---|
| Boat Brand | Freeman |
| Boat Model | 42LR |
| Boat Type | Catamaran |
| Boat Material | Fiberglass |
| Length (ft) | 42 |
| Beam (ft) | 11.75 |
| Fuel Tank Capacity (gal) | 800 |
| Steering Type | Joystick |
| Dry Boat Weight (lbs) | 14,500 |

# PERFORMANCE

| RPM RANGE | SPEED (MPH) | FUEL CONSUMPTION (GPH) | FUEL CONSUMPTION (MPG) | RANGE (MILES) |
|---|---|---|---|---|
| 600 | 4.9 | 4.2 | 1.2 | 937 |
| 1000 | 7 | 7.6 | 0.9 | 738 |
| 1500 | 10.5 | 14 | 0.7 | 599 |
| 2000 | 14.7 | 23.5 | 0.6 | 499 |
| 2500 | 19.4 | 28.5 | 0.7 | 545 |
| 3000 | 25.3 | 34.6 | 0.7 | 585 |
| 3500 | 35.8 | 41.5 | 0.9 | 691 |
| 4000 | 44.1 | 52 | 0.8 | 678 |
| 4500 | 51.9 | 66 | 0.8 | 628 |
| 5000 | 59.3 | 86.6 | 0.7 | 548 |
| 5500 | 66.9 | 106.4 | 0.6 | 502 |
| 6000 | 74.3 | 127.4 | 0.6 | 466 |
| 6400 | 74.6 | 129.3 | 0.6 | 461 |

