# BOAT HOUSE BULLETIN

MERCURY

## PERFORMANCE SUMMARY

**Top Speed**
(mph @ rpm)
69.4 mph/6415 rpm

**Acceleration**
0 - 20 mph (seconds)
6.3

**Acceleration**
0 - 30 mph (seconds)
10.44




| Test Date | Air Temperature (˚F) | Elevation (ft) | Wind Velocity Range (mph) | Fresh/Salt Water |
|---|---|---|---|---|
| June 24, 2020 | 78 | 770 | 8 | Freshwater |

## ENGINE

| | |
|---|---|
| Number of Engines | 3 |
| Engine | 450R |
| Horsepower | 450 |
| Cylinders | 8 |
| Drive or gear model and ratio | HD Straight 1.60 |
| Engine Height (in) | 2.8, 5.0, 2.8 |
| Engine Setback (in) | 31.0, 31.0, 31.0 |
| Engine Length (in) | 25, 30, 25 |

## PROPELLER

| | |
|---|---|
| Mercury Name | Revolution 4 XP |
| Material | Stainless Steel |
| Pitch | 20.0, 20.0, 20.0 |
| Number of Blades | 4 |

## BOAT

| | |
|---|---|
| Boat Brand | Formula |
| Boat Model | 380 SSC |
| Boat Type | Yacht |
| Boat Material | Fiberglass |
| Length (ft) | 38 |
| Beam (ft) | 12 |
| Fuel Tank Capacity (gal) | 264 |
| Steering Type | Joystick |
| Dry Boat Weight (lbs) | 22,100 |

# PERFORMANCE

| RPM RANGE | SPEED (MPH) | FUEL CONSUMPTION (GPH) | FUEL CONSUMPTION (MPG) | RANGE (MILES) |
|---|---|---|---|---|
| 600 | 2.1 | 2.3 | 0.9 | 240 |
| 1000 | 6.3 | 5.3 | 1.2 | 317 |
| 1500 | 8.2 | 9.7 | 0.9 | 225 |
| 2000 | 8.9 | 16.6 | 0.5 | 141 |
| 2500 | 9.2 | 25.2 | 0.4 | 96 |
| 3000 | 18.9 | 32.7 | 0.6 | 152 |
| 3500 | 25.2 | 37.9 | 0.7 | 175 |
| 4000 | 34.3 | 41.1 | 0.8 | 220 |
| 4500 | 46 | 53 | 0.9 | 229 |
| 5000 | 52 | 69.7 | 0.7 | 197 |
| 5500 | 59.1 | 89.5 | 0.7 | 174 |
| 6000 | 62.5 | 121.5 | 0 | 0 |
| 6400 | 69.2 | 129.5 | 0.5 | 141 |

