BOAT HOUSE BULLETIN

MERCURY

PERFORMANCE SUMMARY

Top Speed
(mph @ rpm)
76.4 mph/6355 rpm

Acceleration
0 - 20 mph (seconds)
6.08

Acceleration
0 - 30 mph (seconds)
9.21

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	425
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)
1000	6.3	6.8	0.9	734
1500	10.4	12.6	0.8	659
2000	13.9	22.3	0.6	497
2500	19	26.1	0.7	580
3000	26.1	33.1	0.8	629
3500	36.4	44.2	0.8	658
4000	44.5	52.8	0.8	674
4500	51.9	68.9	0.8	601
5000	59.4	86.6	0.7	548
5500	66.7	108.5	0.6	491
6000	74.4	125.8	0.6	472

