BOAT HOUSE BULLETIN

MERCURY

PERFORMANCE SUMMARY

Top Speed
(mph @ rpm)
69 mph/6400 rpm

Acceleration
0 - 20 mph (seconds)
7.87

Acceleration
0 - 30 mph (seconds)
12.8



Test Date	Boat Weight as Tested (lb)	Air Temperature (˚F)	Elevation (ft)	Sea State	Wind Velocity Range (mph)	Fresh/Salt Water
January 15, 2021	47,000	70	75	Calm	8	Freshwater

ENGINE

Number of Engines	4
Engine	Verado
Horsepower	600
Cylinders	12
Drive or gear model and ratio	V12 AMS 2.5
Engine Height (in)	3.75, 3.5, 3.5, 3.75
Engine Setback (in)	37.5, 37.5, 37.5, 37.5
Engine Length (in)	25, 35, 35, 25

PROPELLER

Mercury Name	Verado 12
Material	Stainless Steel
Pitch	33, 33, 33, 33
Number of Blades	4/3

BOAT

Boat Brand	Formula
Boat Model	500 SSC
Boat Type	Yacht
Boat Material	Fiberglass
Length (ft)	54
Beam (ft)	14.5
Fuel Tank Capacity (gal)	650
Steering Type	Joystick
Dry Boat Weight (lbs)	42,700

PERFORMANCE

RPM RANGE	SPEED (MPH)	FUEL CONSUMPTION (GPH)	FUEL CONSUMPTION (MPG)	RANGE (MILES)
700	3.8	7.9	0.5	313
1000	5.9	9.2	0.6	417
1500	5.3	15	0.4	230
2000	10.1	21.6	0.5	304
2500	11.9	55.5	0.2	139
3000	21.5	71	0.3	197
3500	29.4	78.1	0.4	245
4000	36.3	86	0.4	274
4500	47.9	96.7	0.5	322
5000	54.6	135.7	0.4	262
5500	58.3	153.8	0.4	246
6000	64.6	193.8	0.3	217
6400	69	209.4	0.3	214

