

PERFORMANCE SUMMARY

Top Speed

(mph @ rpm)

71.5 mph/6516 rpm
Acceleration

0 - 20 mph (seconds)

7.59
Acceleration

0 - 30 mph (seconds)

11.45

Test Date

August 29, 2023

Air Temperature (°F)

66

Elevation (ft)

869

Sea State

Calm

Fresh/Salt Water

Freshwater

ENGINE

Number of Engines	4
Engine	400R
Horsepower	400
Cylinders	10
Drive or gear model and ratio	V10 AMS 1.60
Engine Height (in)	3.0, 4.5, 4.5, 3.0
Engine Setback (in)	26.0, 25.2, 25.2, 26.0
Engine Length (in)	20, 30, 30, 20

PROPELLER

Mercury Name	Ventura
Material	Stainless Steel
Pitch	21.0, 21.0, 21.0, 21.0
Number of Blades	4

BOAT

Boat Brand	Formula
Boat Model	400 SSC
Boat Type	Yacht
Boat Material	Fiberglass
Length (ft)	40
Beam (ft)	12
Fuel Tank Capacity (gal)	400
Steering Type	Joystick
Dry Boat Weight (lbs)	23,700

PERFORMANCE

RPM RANGE	SPEED (MPH)	FUEL CONSUMPTION (GPH)	FUEL CONSUMPTION (MPG)	RANGE (MILES)
600	4.1	3.9	1	418
1000	6.2	7.3	0.8	337
1500	7.8	13.3	0.6	234
2000	8.4	22.7	0.4	147
2500	14.6	27.6	0.5	211
3000	19.1	37.5	0.5	204
3500	24.1	43.6	0.6	221
4000	35.3	49.5	0.7	285
4500	42.9	58.8	0.7	291
5000	49.3	69.5	0.7	283
5500	57.3	94.7	0.6	242
6000	64.8	109.5	0.6	236
6400	70.7	135.8	0.5	208

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