

PERFORMANCE SUMMARY

Top Speed

(mph @ rpm)

42.6 mph/5126 rpm

Acceleration

0 - 20 mph (seconds)

4.71

Acceleration

0 - 30 mph (seconds)

8.51



Test Date

October 6, 2020

Air Temperature (°F)

75

Elevation (ft)

705

Sea State

Calm

Wind Velocity Range (mph)

5

Fresh/Salt Water

Freshwater

ENGINE

Number of Engines	1
Engine	FourStroke
Horsepower	250
Cylinders	8
Drive or gear model and ratio	Standard 1.92
Engine Height (in)	25
Engine Length (in)	25

PROPELLER

Mercury Name	Tempest Plus
Material	Stainless Steel
Pitch	19
Number of Blades	3

BOAT

Boat Brand	Bayliner
Boat Model	Element E21
Boat Type	Freshwater
Boat Material	Fiberglass
Length (ft)	20
Beam (ft)	7
Fuel Tank Capacity (gal)	44
Steering Type	Hydraulic Steering
Dry Boat Weight (lbs)	2,645

PERFORMANCE

RPM RANGE	SPEED (MPH)	FUEL CONSUMPTION (GPH)	FUEL CONSUMPTION (MPG)	RANGE (MILES)
600	1	0.5	1.7	77
1000	5.1	0.9	5.5	243
1500	6.9	1.5	4.6	201
2000	8.9	2.5	3.6	157
2500	11.8	3.3	3.5	156
3000	17.4	3.9	4.4	194
3500	23.9	5	4.7	208
4000	30.4	7.3	4.1	182
4500	34.7	9.8	3.5	156
5000	41.8	13.9	3	133

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