BOAT HOUSE BULLETIN

MERCURY

PERFORMANCE SUMMARY

Top Speed
(mph @ rpm)
63 mph/6388 rpm

Acceleration
0 - 20 mph (seconds)
6.95

Acceleration
0 - 30 mph (seconds)
10.86



Test Date	Air Temperature (˚F)	Elevation (ft)	Sea State	Wind Velocity Range (mph)	Fresh/Salt Water
January 23, 2024	74	75	Calm	13	Freshwater

ENGINE

Number of Engines	3
Engine	Verado
Horsepower	600
Cylinders	12
Drive or gear model and ratio	V12 AMS 2.5
Engine Height (in)	3.0, 4.0, 3.0
Engine Setback (in)	38.8, 39.5, 38.8
Engine Length (in)	30, 35, 35

PROPELLER

Mercury Name	Verado 12
Material	Stainless Steel
Pitch	29.0, 29.0, 29.0
Number of Blades	4/3

BOAT

Boat Brand	Formula
Boat Model	457 CCS
Boat Type	Yacht
Boat Material	Fiberglass
Length (ft)	45.7
Beam (ft)	13.9
Fuel Tank Capacity (gal)	700
Steering Type	Joystick
Dry Boat Weight (lbs)	35,000

PERFORMANCE

RPM RANGE	SPEED (MPH)	FUEL CONSUMPTION (GPH)	FUEL CONSUMPTION (MPG)	RANGE (MILES)
600	3.8	4.3	0.9	621
1000	3.5	6.3	0.6	389
1500	7.8	10.6	0.7	512
2000	9.6	17	0.6	397
2500	10.9	26.3	0.4	290
3000	12	39.6	0.3	212
3500	26.5	64.3	0.4	287
4000	35.4	73.3	0.5	337
4500	42.3	79.7	0.5	371
5000	47.2	87.4	0.5	378
5500	53	113.9	0.5	325
6000	57.9	137.5	0.4	294
6388	63	156.3	0.4	290

