48LS | Triple Mercury 600 Verado V12 7.6L

Tiara YACHTS

PERFORMANCE REPORT

Date Tested: 1/27/2021 Test Engineers: Frank Hercinger, Mike Mitchell

Hull Number: SSUKE001A122
Location: Lake X, St.Cloud, FL
Weather: Cloudy, Wind SW 10-15, Waves 1' Chop
Water / Air Temp: 70 / 76

Propeller: Mercury Verado V12 Duo-Prop 31/27/31
Gears/Gear Ratio: 2-speed transmission/ 1.75:1 - 2.5:1
Fuel Capacity: 662 Gallons
Fuel/Water/Waste: 100% / 100% / 100%
People on Board: 3
Gear on Board: 750 lbs Includes people and gear
Weight as Tested: 33,877 lbs
Enigne Mounting: Outboard Engines - Hole 3
Center Engine - Hole 4

PERFORMANCE SUMMARY:

Acceleration:	0-30 = 9.6 Seconds
Optimum Cruise Speed:	38.2 mph @ 4500 RPM
Range at Optimum Cruise:	368 Statute Miles

RPM	MPH	Knots	GPH	Statute MPG	Nautical MPG	dB,A*	Trim Angle (degrees)	Estimated Range (Statute Miles)	Estimated Range (Nautical Miles)
700	4.5	3.9	4.0	1.11	0.97	58/63	0.1	664	577
1000	5.7	5.0	6.2	0.93	0.81	58/63	0.0	552	480
1500	8.0	7.0	9.3	0.86	0.75	60/67	0.3	511	444
2000	9.8	8.5	15.3	0.64	0.56	63/70	1.4	381	331
2500	10.8	9.4	22.7	0.48	0.41	65/72	3.4	284	246
3000	12.5	10.9	35.2	0.36	0.31	67/73	5.2	212	184
3500	23.1	20.1	48.7	0.47	0.41	74/82	5.4	283	246
4000	31.0	27.0	51.0	0.61	0.53	77/83	4.5	362	314
4500	38.2	33.2	61.8	0.62	0.54	77/83	3.4	368	320
5000	43.0	37.4	79.2	0.54	0.47	79/86	3.0	324	281
5500	49.9	43.4	104.9	0.48	0.41	81/88	2.1	283	246
6000	55.0	47.8	139.3	0.39	0.34	82/88	2.1	235	204
6373	57.8	50.3	157.2	0.37	0.32	82/88	2.1	219	190

This boat has passed the ABYC Quick Turn Test H-26.8.3.1 at WOT.

*dB,A taken with side doors and vertical rear enclosure closed/open

Performace data taken at a non-Seakeeper equipped weight.

Notes:
Speed determined by GPS, GPH based on the total usage of the engines. MPG computed from MPH and GPH figures shown. Range based on calculated MPG and 90% of total fuel capacity. The performance data shown above should be considered valid only for the specific boat whose serial number is shown and on the date this test was performed.
Many factors may affect actual performance obtained on this boat or on similar boats. These include but are not limited to, installation of certain options such as gyros, vessel loading and trim, weather and sea conditions, engine and boat condition, propeller condition, water temperature, altitude, manufacturing tolerances, etc. Tiara Yachts makes no guarantees whatsoever that this performance will be repeated on this boat at a later date or at any time on a similarly equipped boat.