

Tiara 53 Flybridge

Volvo® D11 IPSII 950, 725HP



PERFORMANCE REPORT

Date tested: 10/21/2016 Test Engineers: Mike Ward, Josh Koetsier

Hull Number: SSUXC001G415
 Location: ICW Fort Pierce to Stuart
 Weather: Cloudy, wind SSW at 5-10, Seas less than 1'
 Water / Air Temp: 78 / 76

Propeller: Volvo IPS II P4
 Gears/Gear Ratio: 1.7:1
 Fuel Capacity: 600
 Fuel/Water/Waste: 100%/100%/100%
 People on Board: 3
 Gear on Board: 1100 lbs Includes people and gear

PERFORMANCE SUMMARY:	
Acceleration:	15 Seconds to 28.5 smph / 18.6 Seconds to 32.3 smph
Optimum Cruise Speed:	28.5 mph @ 2100 RPM / 32.3mph @ 2250 RPM
Range at Optimum Cruise:	313 / 311 Statute Miles

RPM	MPH	Knots	GPH	Statute MPG	Nautical MPG	Helm dB,A	Bridge dB,A	Trim Angle (degrees)	Estimated Range (Statute Miles)	Estimated Range (Nautical Miles)
600	6.9	6.0	2.3	2.96	2.57	62	58	0.5	1596	1387
800	8.7	7.5	4.4	1.97	1.71	65	60	0.7	1063	924
1008	10.1	8.8	8.9	1.13	0.98	65	61	1.0	612	532
1210	10.9	9.5	15.0	0.73	0.63	69	63	3.0	394	342
1403	11.3	9.8	24.5	0.46	0.40	74	69	5.3	249	216
1600	16.5	14.3	30.8	0.54	0.47	76	66	5.5	290	252
1800	21.5	18.7	38.3	0.56	0.49	73	68	6.0	303	263
2008	26.1	22.7	45.3	0.58	0.50	73	69	6.4	312	271
2108	28.5	24.8	49.3	0.58	0.50	74	69	6.3	313	272
2193	30.7	26.7	54.3	0.57	0.49	75	69	5.6	306	266
2250	32.3	28.0	56.0	0.58	0.50	78	69	5.3	311	270
2300	33.4	29.0	59.0	0.57	0.49	78	69	5.0	306	266
2408	35.2	30.6	65.0	0.54	0.47	79	70	4.8	292	254
2500	37.4	32.5	70.3	0.53	0.46	79	71	4.5	287	250
2564	38.7	33.6	75.2	0.51	0.45	79	71	4.4	278	241

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

Note:

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 tuna towers, hard tops, vessel loading and trim, weather and sea conditions, engine and boat condition, propeller condition, water temperature, altitude, manufacturing tolerances, etc. Tiara Yachts make 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.