

Tiara 31

Twin Crusader® 6.0L Gas, 375hp



PERFORMANCE REPORT

Date tested: 2/28/2011 Test Engineers: Mike Ward & Adam Rolinski

Hull Number: SSUCA001L012
 Location: Intracoastal Waterway, Ft. Pierce, FL
 Weather: Wind South @ 15-20 mph with 1 ft. Chop
 Water / Air Temp: 70 / 80

Propeller: MWC EPX-300 18 x 24
 Gear & Gear Ratio: ZF 63A 2.52 / 2.54
 Fuel Capacity: 210 gallons
 Fuel/Water/Waste: 100%/100%/100%
 Gear on Board: 1,166 lbs. Includes people and gear

PERFORMANCE:	
Acceleration:	10.2 seconds to 26.7 smph / 11.3 seconds to 29 smph
Optimum Cruise Speed:	26.7 mph @ 3800 RPM / 29 mph @ 4000 RPM
Ranges at Optimum Cruise:	200 / 198 Statute Miles

RPM	MPH	Knots	GPH	SMPG	NMPG	dB,A	Trim Angle (Degrees)	Estimated Range (Statute Miles)	Estimated Range (Nautical Miles)
651	4.0	3.5	1.7	2.40	2.10	57	0.0	446	388
1005	5.9	5.1	2.6	2.30	2.00	59	0.0	431	375
1505	7.8	6.8	4.1	1.90	1.60	63	0.5	357	311
2007	8.9	7.8	7.3	1.20	1.10	78	2.5	232	202
2505	10.0	8.7	12.0	0.80	0.70	78	5.7	157	137
3005	15.6	13.5	17.3	0.90	0.80	80	8.0	170	148
3407	21.1	18.4	21.5	1.00	0.90	82	8.5	186	161
3607	24.1	20.9	23.1	1.00	0.90	82	8.0	197	171
3804	26.7	23.2	25.2	1.10	0.90	82	7.0	200	174
4005	29.0	25.2	27.7	1.00	0.90	82	6.5	198	172
4207	31.0	27.0	30.9	1.00	0.90	83	6.0	190	165
4402	32.9	28.5	35.1	0.90	0.80	84	5.7	177	154
4605	34.6	30.0	40.0	0.90	0.80	84	5.6	163	142
4805	36.2	31.4	46.5	0.80	0.70	85	5.5	147	128
5009	37.5	32.6	53.3	0.70	0.60	88	5.3	133	116
5298	40.0	34.7	61.3	0.65	0.57	90	5.0	123	107

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

Comments: No hardtop and no canvas installed

Note:

Speed determined by GPS, GPH based on the total usage for 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.