

**Tiara Sport 34LS
Twin Yamaha F350**



PERFORMANCE REPORT

Date tested: 8/9/2018 Test Engineer: Chris Caropepe
Mike Ward
Hull Number: KC001 Mike Krautkremer
Location: Lake Macatawa, Holland MI
Weather: Wind W 12-15
Water / Air Temp: 75 / 78

Propeller: Yamaha XL SDS 16.25x17 KC001
Gear & Gear Ratio: 1.73:1
Fuel Capacity: 200 gallons
Fuel/Water/Waste: 100%/100%/100%
People on Board: 3
Gear on Board: 100 LBS Includes personnel and test equipment
Test Weight: 16,618 lbs

PERFORMANCE:	
Acceleration:	Idle-30 = x seconds
Optimum Cruise Speed:	37.5 mph @ 4500 RPM
Range at Optimum Cruise:	229 Statute Miles

RPM	MPH	Knots	GPH	SMPG	NMPG	dB,A	Trim Angle (degrees)	Estimated Range (Statute Miles)	Estimated Range (Nautical Miles)
600	3.3	2.9	1.6	2.14	1.86	54	0.0	447	388
1000	5.9	5.1	3.4	1.75	1.52	62	0.0	366	318
1500	7.9	6.9	5.4	1.48	1.29	64	0.5	309	269
2000	10.0	8.7	9.3	1.08	0.94	72	3.0	225	196
2500	11.2	9.8	13.5	0.83	0.72	76	4.5	173	151
3000	14.0	12.2	18.6	0.75	0.66	82	6.0	158	137
3500	19.1	16.6	23.1	0.83	0.72	85	7.0	173	150
4000	31.3	27.2	27.7	1.13	0.98	86	6.0	236	205
4500	37.5	32.5	34.1	1.10	0.95	85	4.5	229	199
5000	42.9	37.3	42.8	1.00	0.87	88	3.5	210	182
5500	48.2	41.9	55.8	0.86	0.75	89	3.0	180	157
6000	51.0	44.28	64.6	0.79	0.69	93	3.0	165	143

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