

Tiara Sport™ 38LX Triple Yamaha F350



PERFORMANCE REPORT

Date tested: 10/28/2020 Test Engineer: Chris Caropepe
Mike Ward
Mike Krautkremer

Hull Number: SSUBB003A020
Location: Ft. Pierce, FL ICW
Weather: Sun/clear, Wind N 15-20, Waves 0-1'
Water / Air Temp: 63 / 68

Propeller: Yamaha XL SDS 15.5x19
Gear & Gear Ratio: 1.73:1
Fuel Capacity: 331 gallons
Fuel/Water/Waste: 100%/100%/100%
People on Board: 3
Gear on Board: 650 LBS Includes personnel and test equipment
Test Weight: 21284 LBS

PERFORMANCE:	
Acceleration:	Idle-20 = 5 seconds / Idle-30 = 8 seconds
Optimum Cruise Speed:	35.4 mph @ 4000 RPM / 48.7 mph @ 5000
Range at Optimum Cruise:	259 Statute Miles / 246 Statute Miles

RPM	MPH	Knots	GPH	SMPG	NMPG	dB,A	Trim Angle (degrees)	Estimated Range (Statute Miles)	Estimated Range (Nautical Miles)
600	4.3	3.7	2.7	1.56	1.35	59	0.0	464	404
1000	6.7	5.8	4.8	1.39	1.21	65	0.5	413	359
1500	9.0	7.8	8.1	1.12	0.97	70	1.0	333	289
2000	10.3	9.0	14.0	0.74	0.64	75	3.5	219	190
2500	11.5	10.0	20.9	0.55	0.48	79	6.0	164	143
3000	19.1	16.6	27.8	0.69	0.60	82	6.5	205	178
3500	27.1	23.5	34.6	0.78	0.68	84	5.5	233	203
4000	35.4	30.8	40.7	0.87	0.76	88	4.5	259	225
4500	41.2	35.8	50.3	0.82	0.71	88	4.5	244	212
5000	48.7	42.3	59.0	0.83	0.72	89	3.5	246	214
5500	51.7	44.9	77.9	0.66	0.58	91	3.0	198	172
6000	56.8	49.3	102.6	0.55	0.48	93	3.0	165	143
6108	57.0	49.6	103.1	0.55	0.48	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.