



Twin Volvo
IPS 650 Diesels, 480 HP



PERFORMANCE REPORT

Date tested: 10/9/2019 Test Engineers: Chris Caropepe
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Hull Number: SSUXB133J920
Location: Lake Michigan
Weather: Sunny, Wind SSE 10 Seas 1-2
Water / Air Temp: 60 / 60

Propeller: T3
Gears/Gear Ratio: IPS 10 / 1.853:1
Fuel Capacity: 350
Fuel/Water/Waste: 100%/100%/100%
People on Board: 3
Gear on Board: 700 lbs. Includes people and gear

PERFORMANCE SUMMARY:	
Acceleration:	21.8 seconds to 3300 RPM (30 smph)
Optimum Cruise Speed:	30.1 mph @ 3300 RPM
Range at Optimum Cruise:	277 Statute Miles

RPM	MPH	Knots	GPH	Statute MPG	Nautical MPG	dB,A	Trim Angle (degrees)	Estimated Range (Statute Miles)	Estimated Range (Nautical Miles)
600	4.4	3.8	0.7	6.04	5.25	56.0	0.0	1904	1655
1000	7.3	6.3	2.1	3.51	3.05	61.0	0.5	1104	960
1500	10.0	8.7	5.6	1.79	1.56	64.0	1.0	564	490
2000	12.1	10.5	12.7	0.95	0.83	70.0	3.0	299	260
2200	13.3	11.6	16.2	0.82	0.71	72.0	4.3	259	225
2400	15.8	13.7	19.5	0.81	0.70	73.0	5.3	255	221
2600	18.4	16.0	23.1	0.80	0.69	73.0	6.3	251	218
2800	21.4	18.6	26.4	0.81	0.70	73.0	7.3	255	221
3000	24.7	21.5	30.7	0.81	0.70	74.0	6.8	254	221
3100	26.7	23.2	32.2	0.83	0.72	77.0	6.5	261	227
3200	28.4	24.7	33.0	0.86	0.75	77.0	6.0	272	236
3300	30.1	26.2	34.3	0.88	0.76	76.0	5.8	277	241
3400	31.9	27.7	37.4	0.85	0.74	76.0	5.8	268	233
3500	33.2	28.9	40.0	0.83	0.72	77.0	5.8	262	227
3600	34.8	30.3	41.9	0.83	0.72	78.0	5.5	262	228
3700	36.0	31.3	45.2	0.80	0.69	78.0	5.5	251	218
3833	38.3	33.3	50.0	0.77	0.67	78.0	5.5	241	210

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.