

Tiara 43 Open

Twin Volvo® D11 Diesels, 725hp



PERFORMANCE REPORT

Date tested: 1/11/2017 Test Engineer: Mike Mitchell
 Hull Number: SSURB037J617
 Location: Ft. Pierce, FL
 Weather: Wind SSW @ 5 mph, Seas 1' Chop
 Water / Air Temp: 75 / 78

Propeller: MWC EQX 29 x 40 w/ .81 D.A.R.
 Gear Ratio: ZF 305-3AE 2.037 : 1
 Fuel Capacity: 600 gallons
 Fuel/Water/Waste: 100%/100%/100%
 People on Board: 5 people
 Gear on Board: 1,200 lbs (includes people & gear)
 Boat Equipment: Cruise Hardtop Installed

PERFORMANCE:

Acceleration: 17.7 seconds to 32.8 smph / 23.2 seconds to 38.3 smph
 Optimum Cruise Speed: 32.8 mph @ 2000 RPM / 38.3 mph @ 2300 RPM
 Range at Optimum Cruise: 411 / 351 Statute Miles

RPM	MPH	Knots	GPH	SMPG	NMPG	dB,A	Trim Angle (Degrees)	Estimated Range (Statute Miles)	Estimated Range (Nautical Miles)
600	7.4	6.4	2.4	3.07	2.67	72	0.3	1659	1442
798	9.0	7.8	4.9	1.83	1.59	72	0.9	990	861
1008	10.1	8.8	10.0	1.01	0.88	78	3.0	547	475
1197	10.9	9.5	17.5	0.62	0.54	81	5.5	337	293
1398	17.6	15.3	22.0	0.80	0.70	80	5.8	433	376
1595	22.9	19.9	28.3	0.81	0.71	81	6.6	438	381
1803	28.4	24.7	34.5	0.82	0.71	82	5.9	444	386
2000	32.8	28.5	43.0	0.76	0.66	87	5.1	411	357
2190	36.6	31.8	53.0	0.69	0.60	87	5.1	373	324
2295	38.3	33.3	59.0	0.65	0.56	87	4.5	351	305
2395	40.1	34.9	65.5	0.61	0.53	88	4.4	331	287
2505	41.8	36.3	71.0	0.59	0.51	89	4.4	318	276
2563	42.4	36.9	75.5	0.56	0.49	89	4.0	300	263

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.