

3900 Open Twin Cummins® QSC8.3 Diesels, 600hp



PERFORMANCE REPORT

Date tested: 8/12/2008 Test Engineer: Mike Ward

Hull Number: SSURA001E809
 Location: Lake Michigan, Holland, MI
 Weather: Clear, Sunny, No Wind, No Waves
 Water / Air Temp: 56 / 65

Propeller: Tiegnbridge 26 x 35 x 4
 Gear Ratio: ZF 305 AE 2.179 : 1
 Fuel Capacity: 535 gallons
 Fuel/Water/Waste: 100%/100%/100%
 People on Board: 2 people
 Gear on Board: 50 lbs (test equipment only)

PERFORMANCE:
 Acceleration: 12 seconds to 2500 RPM (30.5 smph) / 16.8 seconds to 2800 RPM (35.4 smph)
 Optimum Cruise Speed: 30.5 mph @ 2500 RPM / 35.4 mph @ 2800 RPM
 Range at Optimum Cruise: 385 / 354 Statute Miles
This boat has passed the ABYC Quick Turn Test H-26.8.3.1 at WOT.

RPM	MPH	Knots	GPH	SMPG	NMPG	dB,A	Trim Angle (degrees)	Estimated Range (Statute Miles)	Estimated Range (Nautical Miles)
600	6.0	5.2	1.0	6.01	5.23	67	0.0	2896	2516
800	7.7	6.7	2.0	3.95	3.43	71	0.3	1903	1654
1000	8.8	7.7	3.6	2.49	2.16	74	0.8	1198	1041
1205	10.1	8.8	6.6	1.53	1.33	79	1.8	737	640
1405	11.0	9.6	10.7	1.03	0.89	80	3.3	495	430
1600	12.5	10.9	14.8	0.84	0.73	83	5.3	407	353
1795	16.0	13.9	21.2	0.75	0.65	84	6.5	362	315
2005	20.0	17.4	27.0	0.74	0.64	86	7.8	357	310
2200	24.5	21.2	30.6	0.80	0.70	85	7.8	385	335
2405	28.6	24.8	35.1	0.81	0.71	85	7.0	392	341
2500	30.5	26.5	38.2	0.80	0.69	85	6.5	385	335
2595	32.3	28.0	41.3	0.78	0.68	86	6.3	376	327
2695	34.0	29.5	43.9	0.77	0.67	86	6.0	373	324
2800	35.4	30.8	48.1	0.74	0.64	87	5.8	354	308
2900	37.0	32.1	56.0	0.66	0.57	88	5.5	318	277
2995	38.1	33.1	59.2	0.64	0.56	89	5.3	310	270
3075	39.0	33.9	62.8	0.62	0.54	89	5.3	299	260

Comments: Boat equipped with optional hardtop
 All data is the average of two direction runs

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.