

3000 Open Twin Cummins® QSB5.9 Diesels, 330hp



PERFORMANCE REPORT - Light Load

Date tested: 7/20/2006 Test Engineer: Mike Ward

Hull Number: SSUR9020E607
Location: Lake Macatawa, Holland, MI
Weather: Wind West @ 10-15 mph / Calm
Water / Air Temp: 78 / 85

Propeller: Michigan EPX-300 19 x 26 #10 cup Nibral, .70DAR
Gear & Gear Ratio: ZF80A; 1.567:1
Fuel Capacity: 210 gallons
Fuel/Water/Waste: 60%/100%/0%
People on Board: 2 people
Gear on Board: 150 lbs.

PERFORMANCE:

Acceleration: 12.4 seconds to 2600 RPM (27 smph) / 17 seconds to 2800 RPM (34 smph)
Optimum Cruise Speed: 30.9 smph @ 2400 RPM / 34.8 smph @ 2600 RPM
Range at Optimum Cruise: 266 / 260 Statute Miles

RPM	MPH	Knots	GPH	SMPG	NMPG	dB,A	Trim Angle (degrees)	Estimated Range (Statute Miles)	Estimated Range (Nautical Miles)
550	5.6	4.8	0.8	7.21	6.26	68	0.0	1362	1184
600	6.0	5.2	1.0	6.32	5.49	69	0.0	1194	1037
800	7.3	6.4	2.0	3.66	3.18	73	0.3	692	602
1000	8.5	7.3	3.1	2.71	2.35	78	1.4	512	445
1200	9.4	8.2	4.7	2.03	1.76	81	3.0	383	333
1400	10.3	8.9	7.7	1.33	1.16	83	4.8	252	219
1600	11.7	10.1	11.8	0.99	0.86	86	6.8	187	163
1800	15.3	13.3	15.6	0.98	0.85	87	9.3	185	160
2000	21.1	18.4	18.3	1.15	1.00	89	8.8	218	190
2200	27.0	23.5	20.3	1.33	1.16	88	6.8	252	219
2395	30.9	26.9	22.0	1.41	1.22	88	6.0	266	231
2500	32.9	28.6	23.5	1.40	1.22	90	5.8	265	230
2605	34.8	30.2	25.3	1.38	1.20	89	5.3	260	226
2698	36.2	31.4	27.4	1.32	1.15	89	5.3	250	217
2793	37.5	32.6	29.4	1.27	1.11	90	5.0	241	209
2860	38.5	33.5	30.8	1.25	1.09	90	4.8	236	205

Comments: Boat equipped with factory hardtop & integrated fiberglass & acrylic fwd filler.
No isinglass side enclosures were installed.

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.