

3600 Open - Diesel Cummins® QSB5.9 Twin, 380HP



PERFORMANCE REPORT

Date tested: 2/1/2004 Test Engineer: Mike Ward, Jeff Emch

Hull Number: SSUR6001K305
Location: Ft. Pierce, FL - Intercoastal Waterway
Weather: Partly Sunny, Wind WNW @ 10-15mph, 6" chop
Water / Air Temp: Water 64 deg / Air 73 deg

Propeller: Michigan Wheel EPX-300 23x30 #7 cup Nibral
Gear Ratio: 2:04:01
Fuel Capacity: 400 gallons
Fuel/Water/Waste: 100%/100%/100%
People on Board: 4 people
Gear on Board: 350 lbs.

PERFORMANCE:

Acceleration: 600 to 2800 RPM: 13 seconds
Optimum Cruise Speed: 30.9 mph @2600, 33.7 mph @ 2800
Range at Optimum Cruise: 420 / 329 statute miles

RPM	MPH	Knots	GPH	MPG	dB,A	Trim Angle	Estimated Range (Statue Miles)
550	5.1	4.4	0.7	7.34	63	0.0	2641
600	5.5	4.8	1.0	5.62	66	0.0	2024
800	6.9	6.0	2.0	3.45	71	0.5	1240
1000	8.2	7.1	3.0	2.71	77	0.8	977
1200	9.1	7.9	4.6	1.96	79	2.5	706
1400	9.7	8.5	7.0	1.40	80	4.0	503
1600	10.3	8.9	11.7	0.87	81	6.0	314
1800	15.4	13.4	14.6	1.05	81	5.3	379
2000	19.3	16.8	18.3	1.06	84	6.0	381
2200	23.4	20.3	21.3	1.10	84	6.3	395
2400	27.6	24.0	23.5	1.17	83	5.8	423
2600	30.9	26.9	26.5	1.17	84	5.0	420
2700	32.4	28.1	28.9	1.12	85	4.8	404
2800	33.7	29.3	31.0	1.09	85	4.5	392
2900	35.1	30.5	33.3	1.05	87	4.3	378
3000	36.4	31.7	35.6	1.02	88	4.3	369
3060	37.4	32.5	37.8	0.99	88	4.0	356

Comments: Boat equipped with a hardtop and generator. Front & side insinglass installed.
All data is the average of two direction runs (North & South).

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. Horsepower ratings are determined using the Society of Automotive Engineers (SAE) method of calibration.