

# 3000 Open Twin Crusader® 8.1L Gas, 385hp



## PERFORMANCE REPORT

Date tested: 2/6/2006 Test Engineers: Mike Ward & Kirk Edwards

Hull Number: SSUR9001K506  
 Location: Tampa Bay, FL  
 Weather: Sunny, Wind South 5 mph  
 Water / Air Temp: 64 / 72

Propeller: Michigan EPX-300 19 x 22 #7 cup Nibral  
 Gear & Gear Ratio: ZF63A; 2.02:1 / 2.04:1  
 Fuel Capacity: 210 gallons  
 Fuel/Water/Waste: 100%/100%/100%  
 People on Board: 3 people  
 Gear on Board: 150 lbs.

<b>PERFORMANCE:</b>	
Acceleration:	15 seconds to 4400 rpm / 40.6 mph
Optimum Cruise Speed:	28 mph @ 3200 rpm / 33 mph @ 3600 rpm
Range at Optimum Cruise:	201 / 178 Statute Miles

RPM	MPH	Knots	GPH	MPG	dB,A	Trim Angle	Estimated Range (Statute Miles)
650	4.8	4.2	2.1	2.30	63	0.0	435
1000	6.7	5.8	3.0	2.23	68	0.5	422
1500	8.9	7.7	5.9	1.50	75	2.5	284
2000	10.4	9.0	11.7	0.89	79	5.5	168
2500	15.4	13.4	18.9	0.81	84	9.0	154
3000	25.0	21.7	24.0	1.04	84	7.0	197
3200	28.2	24.5	26.4	1.06	84	6.1	201
3400	30.8	26.8	30.4	1.01	85	5.8	192
3600	33.0	28.7	35.1	0.94	86	5.3	178
3800	34.9	30.3	42.2	0.83	88	5.0	157
4000	36.9	32.0	48.6	0.76	88	4.9	143
4200	38.1	33.1	56.8	0.67	88	4.5	127
4400	40.6	35.3	65.0	0.62	92	4.5	118
4530	41.0	35.6	67.5	0.61	91	4.3	115

**Comments:** Boat equipped with factory hardtop & integrated fiberglass & acrylic fwd filler.  
 No isinglass side enclosures were installed.  
 All data is the average of two direction runs (North & South).  
 Fuel data was measured on the port engine only & multiplied by 2 for a calculated mpg w/ 2.02:1 gear ratio.

**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.