

3200 Open - GAS Crusader 8.1 L (385 HP)



PERFORMANCE REPORT

Date tested: 8/13/2003 Test Engineer: Jeff Emch

Hull Number: SSUR3001F304
 Location: Holland, MI - Lake Macatawa
 Weather: Mostly Sunny, Wind NE @ 5 MPH, Seas Calm
 Water / Air Temp: 61 / 80

Propeller: 19 x 22 HX300 #3 Cup - Nibral 3 blades, .70 DAR
 Gear Ratio: 2.02/2.04:1
 Fuel Capacity: 256 gallons
 Fuel/Water/Waste: 100%/100%/100%
 People on Board: 3 people
 Gear on Board: 250 lbs.

PERFORMANCE:	
Acceleration:	4 seconds to 3200 RPM
Optimum Cruise Speed:	25.5@3400 / 30.7@3600
Range at Optimum Cruise:	205 / 195 Statute Miles

RPM	MPH	Knots	GPH	MPG	dB,A	Trim Angle	Estimated Range (Statute Miles)
646	4.4	3.8	2.5	1.74	61	0.0	401
783	5.4	4.7	3.0	1.79	66	0.1	412
1010	6.6	5.8	4.3	1.53	68	0.3	352
1215	7.6	6.6	5.7	1.35	73	0.8	310
1510	8.8	7.7	7.5	1.19	74	2.9	273
2005	10.5	9.2	13.2	0.80	79	4.7	183
2504	14.7	12.8	19.8	0.74	88	7.0	171
3045	22.6	19.7	27.0	0.84	84	8.1	193
3197	25.2	21.9	28.7	0.88	84	7.6	202
3410	28.5	24.8	32.1	0.89	86	6.4	205
3589	30.7	26.7	36.4	0.85	86	6.1	195
3796	33.1	28.7	41.2	0.80	87	5.6	185
4001	35.0	30.4	48.9	0.71	88	5.6	165
4200	36.6	31.8	56.4	0.65	91	5.5	150
4392	38.3	33.2	64.3	0.60	91	5.3	137
4433 P	38.9	33.8	68.5	0.57	92	4.8	131
4517 S							

Comments: Boat equipped with factory hardtop and generator; front & side fillers installed
 All data is the average of two direction runs (North & South) approx. 1 mile offshore.

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.