2900 Open - Gas
Crusader 5.7 HO MPI (320 HP)

PERFORMANCE REPORT

Date tested: 10/11/2000 Test Engineer: Mike Ward

Hull Number: SSUS9254H001
Location: Miami, FL (Gov't cut)
Weather: Calm Seas, Wind N @ 10 mph
Water / Air Temp: 80 / 76

Propeller: MW HX-300 19x22 #7 cup
Gear Ratio: 2.52 / 2.54:1
Fuel Capacity: 200 gallons
Fuel/Water/Waste: 100%/100%/100%
People on Board: 4 people
Gear on Board: Approximately 150 lbs.

PERFORMANCE:	
Acceleration:	Idle to 4000 RPM = 10.2 sec.
Optimum Cruise Speed:	21 MPH
Range at Optimum Cruise:	164 Statute Miles

RPM	MPH	Knots	GPH	MPG	dB,A	Trim Angle	Estimated Range (Statue Miles)
696	4.7	4.1	1.7	2.70	68	0.0	486
1006	6.3	5.5	2.5	2.51	70	0.3	452
1504	8.1	7.0	4.0	1.99	73	0.8	359
2010	9.3	8.1	7.0	1.33	80	3.1	239
2490	10.6	9.2	12.0	0.88	83	6.0	159
3014	16.1	14.0	18.2	0.89	84	7.8	159
3224	18.8	16.3	21.1	0.89	88	8.8	160
3390	21.1	18.4	23.3	0.91	90	7.7	164
3593	23.4	20.4	26.7	0.88	89	7.1	158
3791	26.5	23.0	30.6	0.86	89	6.5	156
3960	28.5	25.1	34.9	0.83	90	5.9	149
4202	29.5	25.7	40.4	0.73	91	5.7	132
4739	34.2	29.7	49.6	0.69	94	5.4	124

Comments: Boat equipped with dealer convertible top; front, side isinglass fillers installed. All data is the average of two direction runs (East & West) in gov't cut.

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.