2900 Classic
Twin Volvo® D4 Diesel, 260hp

PERFORMANCE REPORT

Date tested: 8/27/2004 Test Engineer: Mike Ward

Hull Number: SSUS9327F405
Location: Holland, MI - Lake Macatawa
Weather: Partly Cloudy, Wind SW @ 10 mph
Water / Air Temp: 72 / 75

Propeller: Michigan EPX-300 19 x 24 x .60 DAR #7 Cup Nibral
Gear: ZF63A Gear Ratio: 2.037 : 1
Fuel Capacity: 200 gallons
Fuel/Water/Waste: 100%/100%/100%
People on Board: 3 people
Gear on Board: 150 lbs.

PERFORMANCE:
Acceleration: 11 seconds to 3200 RPM / 17 seconds to 3500 RPM
Optimum Cruise Speed (mph): 28 mph @ 3000 / 30 mph @ 3200
Range at Optimum Cruise (statute miles): 298 @ 3000 / 272 @ 3200

RPM	MPH	Knots	GPH	MPG	dB,A	Trim Angle	Estimated Range (Statue Miles)
720	5.4	4.7	0.7	7.80	70	0.0	1404
895	6.4	5.5	1.1	5.69	73	0.4	1025
995	6.9	6.0	1.3	5.38	74	0.6	968
1200	7.9	6.8	1.9	4.12	74	1.2	741
1400	8.7	7.6	2.8	3.11	78	2.0	559
1605	9.5	8.2	4.8	1.97	81	2.5	354
1795	9.9	8.6	6.7	1.48	82	5.0	267
2005	11.0	9.5	8.7	1.26	82	7.0	227
2205	13.3	11.5	11.2	1.18	83	7.9	213
2390	16.3	14.2	13.2	1.23	86	8.9	222
2600	21.0	18.2	14.4	1.46	87	8.8	262
2805	25.5	22.1	15.5	1.65	88	7.0	297
3005	28.0	24.3	16.9	1.65	89	6.5	298
3110	29.4	25.5	18.3	1.61	90	6.1	290
3195	30.1	26.2	19.9	1.51	88	6.0	272
3300	31.4	27.3	21.3	1.48	89	5.8	266
3405	32.6	28.3	23.5	1.39	89	5.5	250
3495	33.6	29.2	24.4	1.38	90	5.5	248
3630	34.9	30.3	28.4	1.23	90	5.0	221

Comments: Boat equipped with standard hardtop with front & side isinglass installed.
All data is the average of two direction runs (East & West)

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.