

# 3200 Open Twin Cummins® QSB5.9 Diesels, 355hp



## PERFORMANCE REPORT

Date tested: 2/10/2005 Test Engineers: Mike Ward & Jeff Emch

Hull Number: SSUR3114L405  
 Location: ICW Ft. Pierce/Stuart, FL  
 Weather: Wind SSW @ 5-10 mph, Clear  
 Water / Air Temp: 66 / 71

Propeller: Michigan EPX-300 20 x 25 #3 Cup Nibral  
 Gear: ZF 80-1A Gear Ratio: 1.567 : 1  
 Fuel Capacity: 256 gallons  
 Fuel/Water/Waste: 100%/100%/100%  
 People on Board: 3 people  
 Gear on Board: 300 lbs.

<b>PERFORMANCE:</b>	
Acceleration:	14 seconds to 2700 RPM
Optimum Cruise Speed (mph):	29.4 @ 2400 / 32.3 @ 2600
Range at Optimum Cruise (statute miles):	280 @ 2400 / 263 @ 2600

RPM	MPH	Knots	GPH	MPG	dB,A	Trim Angle	Estimated Range (Statue Miles)
550	6.4	5.5	0.7	8.49	64	0.0	1956
600	6.7	5.9	0.9	7.52	65	0.0	1733
800	8.0	6.9	2.0	3.99	69	0.0	918
1000	9.2	8.0	3.1	2.99	72	1.0	688
1200	9.9	8.6	4.8	2.08	77	2.5	480
1400	10.3	8.9	7.8	1.32	78	4.6	304
1600	11.0	9.6	12.3	0.89	81	7.0	206
1800	16.6	14.4	15.3	1.08	83	7.5	249
2000	20.3	17.6	19.0	1.07	84	9.0	246
2197	25.2	21.9	21.5	1.17	84	7.9	270
2412	29.4	25.5	24.2	1.21	84	6.8	280
2500	30.7	26.7	25.9	1.19	85	6.5	273
2604	32.3	28.0	28.2	1.14	86	6.0	263
2701	33.6	29.2	30.6	1.10	86	5.9	253
2799	34.7	30.1	32.9	1.05	87	5.5	243
2860	35.6	30.9	34.1	1.04	88	5.5	240

**Comments:** Boat equipped with factory hardtop & front filler 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.