

Tiara 39
Twin Cummins® QSB6.7Diesel, 480hp



PERFORMANCE REPORT

Date tested: 11/5/2012 Test Engineer: Mike Mitchell
 Andrew Bartlett

Hull Number: SSUCC001H213
 Location: Ft. Pierce, FL
 Weather: Clear, waves 0" (flat), wind minimal (5 knots)
 Water / Air Temp: 70/80

Propeller: Michigan Wheel Prop 24x33 4 Blade #4 Cup
 Gear & Gear Ratio: ZF85A / 2.50:1
 Fuel Capacity: 535 gallons
 Fuel/Water/Waste: 100%/100%/100%
 People on Board: 3
 Gear on Board: 200 LBS Test Gear

PERFORMANCE:
 Acceleration: 12.6 seconds to 2800 RPM (27.3 smph) / 17.3 seconds to 3100 RPM (32.0 smph)
 Optimum Cruise Speed: 27.3 mph @ 2800 RPM / 32.0 mph @ 3100 RPM
 Range at Optimum Cruise: 381 / 362 Statute Miles

RPM	MPH	Knots	GPH	SMPG	NMPG	dB,A	Trim Angle (degrees)	Estimated Range (Statute Miles)	Estimated Range (Nautical Miles)
550	4.5	3.9	0.6	7.5	6.5	66	0.0	3449	2997
600	4.9	4.3	0.6	8.2	7.1	63	0.0	3773	3279
800	6.5	5.6	1.2	5.4	4.7	70	0.5	2482	2157
1000	7.6	6.6	2.6	3.0	2.6	72	0.7	1369	1190
1200	8.6	7.5	4.3	2.0	1.7	74	1.1	924	803
1400	9.5	8.2	6.4	1.5	1.3	74	2.0	678	589
1600	10.1	8.8	9.7	1.0	0.9	80	3.5	479	416
1800	10.8	9.4	14.4	0.7	0.7	79	4.7	344	299
2000	11.5	10.0	19.2	0.6	0.5	85	6.6	276	240
2200	16.8	14.6	20.7	0.8	0.7	84	7.0	372	323
2400	20.0	17.4	24.6	0.8	0.7	82	7.8	374	325
2600	23.6	20.5	29.0	0.8	0.7	81	7.8	374	325
2800	27.3	23.8	32.9	0.8	0.7	81	7.1	381	332
2900	29.0	25.2	35.2	0.8	0.7	82	6.8	378	328
3000	30.5	26.5	37.9	0.8	0.7	82	6.5	370	321
3100	32.0	27.8	40.7	0.8	0.7	84	6.4	362	314
3205	33.5	29.1	43.8	0.8	0.7	86	6.3	351	305
3303	34.7	30.2	46.6	0.7	0.6	86	6.0	342	297
3366	35.6	30.9	48.7	0.7	0.6	86	6.0	336	292

This boat has passed the ABYC Quick Turn Test H-26.8.3.1 at WOT.

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.

Comments:
 The new 3900 Coronet is a day boat/cruiser with an expansive upper cockpit that encourages sociability and lounging. Clever storage in and around the full service entertainment center completes the space. Likewise the lower cockpit is very conversational complete with a dining table that converts to a sun pad. Visibility from every seat is wonderful while at the dock, on the hook, or at full throttle. The interior cabin provides an open, airy feel and new material selections including fabric wall covering add lightness to the interior. In addition to value, the Cummins® QSB6.7 480 HP engine package provides a quiet ride, ample acceleration, and great handling - all the ride characteristics Tiara customer's expect are delivered. The cruise control and automatic engine speed synchronization features add to the enjoyment and driver delight.