



PURSUIT ENGINEERING

Boat Performance Test

Test Title: ST 310 With Twin Yamaha F300's
Boat Model: ST 310
Hull #: ST201
Engine Model/HP: F300TXR 250 hp
Propeller: 15-1/4" x 19" SWS II SDS
Gear Ratio: 1.75
Weight as Tested: Dry lbs: 8,860 lbs.
 +Full Fuel, Water, Persons, Gear
Total Test lbs: 11,952 lbs.
Load: 260 Gallons of Fuel, 20 Gallons of Water
 Hardtop, Electronics, Gear, 2 People

Test Date: 2/28/11
Tested By: Jay Check
 Steve Cheri
Test Location: Indian River
Air Temp(F°): 74
Water Temp(F°): 71
Wind MPH/Direction: 5-10 East
Water Cond: Light Chop
Fuel Capacity: 260 Gallons
Operating range: 5000 - 6000 RPM
Engine Mtg. Hole: 2nd

RPM	*TRIM	Direction: N				Direction: S				Averages			
		MPH	GPH	dB	RUN °	MPH	GPH	dB	RUN °	MPH	GPH	dB	RUN °
600	1	3.1	1.2	57	0	3.1	1.2	60	0	3.1	1.2		0.0
1000	1	6.0	2.6	64	0	6.0	2.6	65	0	6.0	2.6	64.5	0.0
1500	1	8.3	4.2	68	1.0	8.3	4.2	65	2.0	8.3	4.2	66.5	1.5
2000	1	9.6	7.1	75	4.0	9.6	7.1	70	4.0	9.6	7.1	72.5	4.0
2500	1	10.9	10.3	79	6.0	10.9	10.3	74	6.0	10.9	10.3	76.5	6.0
3000	1	16.3	13.1	82	5.5	16.3	13.1	83	5.5	16.3	13.1	82.5	5.5
3500	1	29.6	17.3	83	3.0	29.6	17.3	83	3.0	29.6	17.3	83.0	3.0
4000	1	36.3	23.0	85	2.0	36.3	23.0	85	2.0	36.3	23.0	85.0	2.0
4500	2	41.3	29.5	90	2.0	41.3	29.5	87	1.5	41.3	29.5	88.5	1.8
5000	3	46.0	35.0	90	1.0	46.0	35.0	90	1.5	46.0	35.0	90.0	1.3
5500	4	50.9	44.8	91	1.5	50.9	44.8	90	0.5	50.9	44.8	90.5	1.0
5900	5	54.8	52.1	93	1.5	54.8	52.1	92	1.5	54.8	52.1	92.5	1.5

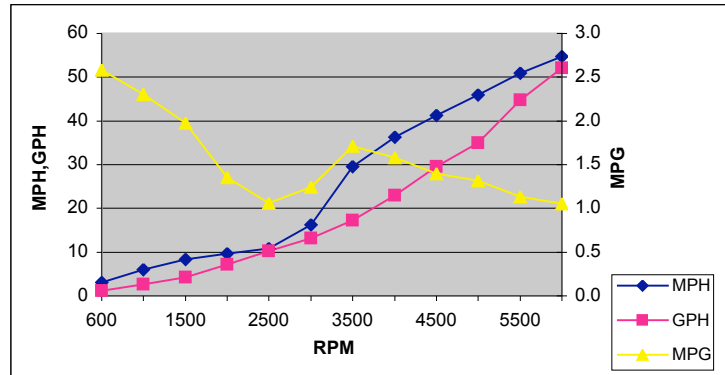
* Trim measured in bars taken from the Yamaha trim meter

0 to 30 mph Full Load Accel. = 7.02 sec.

Fuel Economy Data

RPM	MPH	MPG	RANGE
600	3.1	2.58	605
1000	6.0	2.31	540
1500	8.3	1.98	462
2000	9.6	1.35	316
2500	10.9	1.06	248
3000	16.3	1.24	291
3500	29.6	1.71	400
4000	36.3	1.58	369
4500	41.3	1.40	328
5000	46.0	1.31	308
5500	50.9	1.14	266
5900	54.8	1.05	246

*Range based on 90% of total fuel capacity



Note: Data may vary due to changes in weather, elevation, options and equipment, load and boat bottom conditions. Fuel data gathered with Yamaha's Command Link fuel management system. Speed data gathered with GPS receiver.