



Performance Bulletin

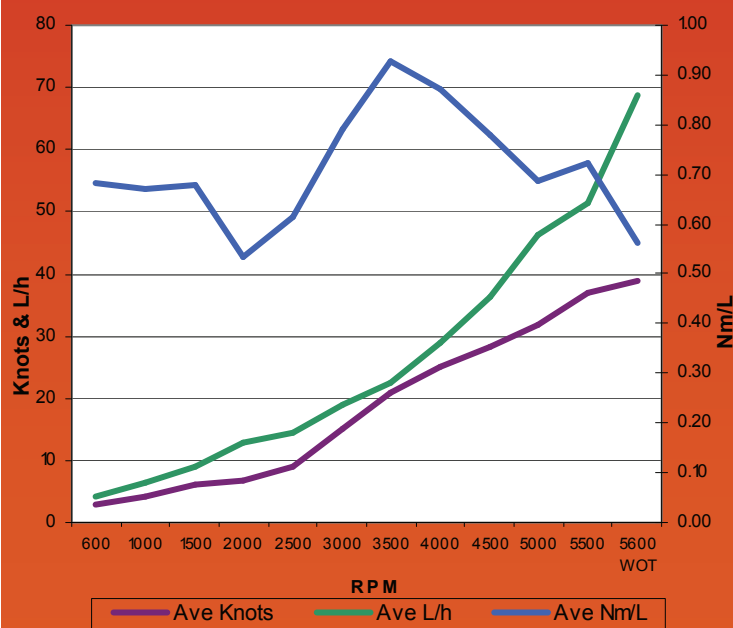
Test Date: 17th May 2011



Z175GETOX

Performance Data

RPM	Ave Knots	Ave L/h	Ave Nm/L
600	2.80	4.10	0.68
1000	4.30	6.40	0.67
1500	6.00	8.85	0.68
2000	6.80	12.70	0.54
2500	8.90	14.50	0.61
3000	15.10	19.05	0.79
3500	20.90	22.55	0.93
4000	25.10	28.85	0.87
4500	28.30	36.40	0.78
5000	31.80	46.40	0.69
5500	37.10	51.45	0.72
5600 WOT	38.80	68.90	0.56



Boat Manufactured by:

http://www.seajayboats.com.au/plate_xtreme

SEAJAY 6.2 PURSUIT

Length (LOA)	6.50M
Beam	2.49M
Dry Weight	1,180KGS
Max Hp	200HP
Fuel Capacity	300L
Weight as Tested (approximate)	1,750KGS

Z175GETOX/11

Horsepower	128.7kW (175ps) @ 5000rpm
Engine Type	2.5 Litre 2-Stroke HPDI 76° V6
Weight	220kg
Gear Ratio	1.86 (26/14)
Mounting Height	2nd Hole

PROPELLER

Series	Black S-Steel M Series
Diameter/ Pitch	13 3/4 x 17"
Part Number	6G5-45978-03

TEST CONDITIONS

Crew	2
Air Temperature	18.3°C
Wind Speed	>10 Knots
Fuel	100L
Water Temperature	23.3°C

TEST PERFORMANCE SUMMARY

Max Ave Speed	71.85Km/h or 38.73Knots
Best Cruising Km/L	0.93Nm/L @ 3500rpm
Range, Based on 95% Fuel Capacity at Best Km/L	264 Nautical Miles
8% Prop Slip at 5600rpm	

Data may vary due to changes in weather, tides, boat load, hull & propeller conditions, temperature, atmospheric pressure and wind direction. Fuel data gathered with a non-calibrated Yamaha fuel gauge. Speed data recorded with GPS receiver.
Yamaha Motor Australia accepts no responsibility for the accuracy of these readings.
All test data is recorded with the engine fully trimmed in (-4), until 5500 RPM, where possible.

Results of Sea Trial

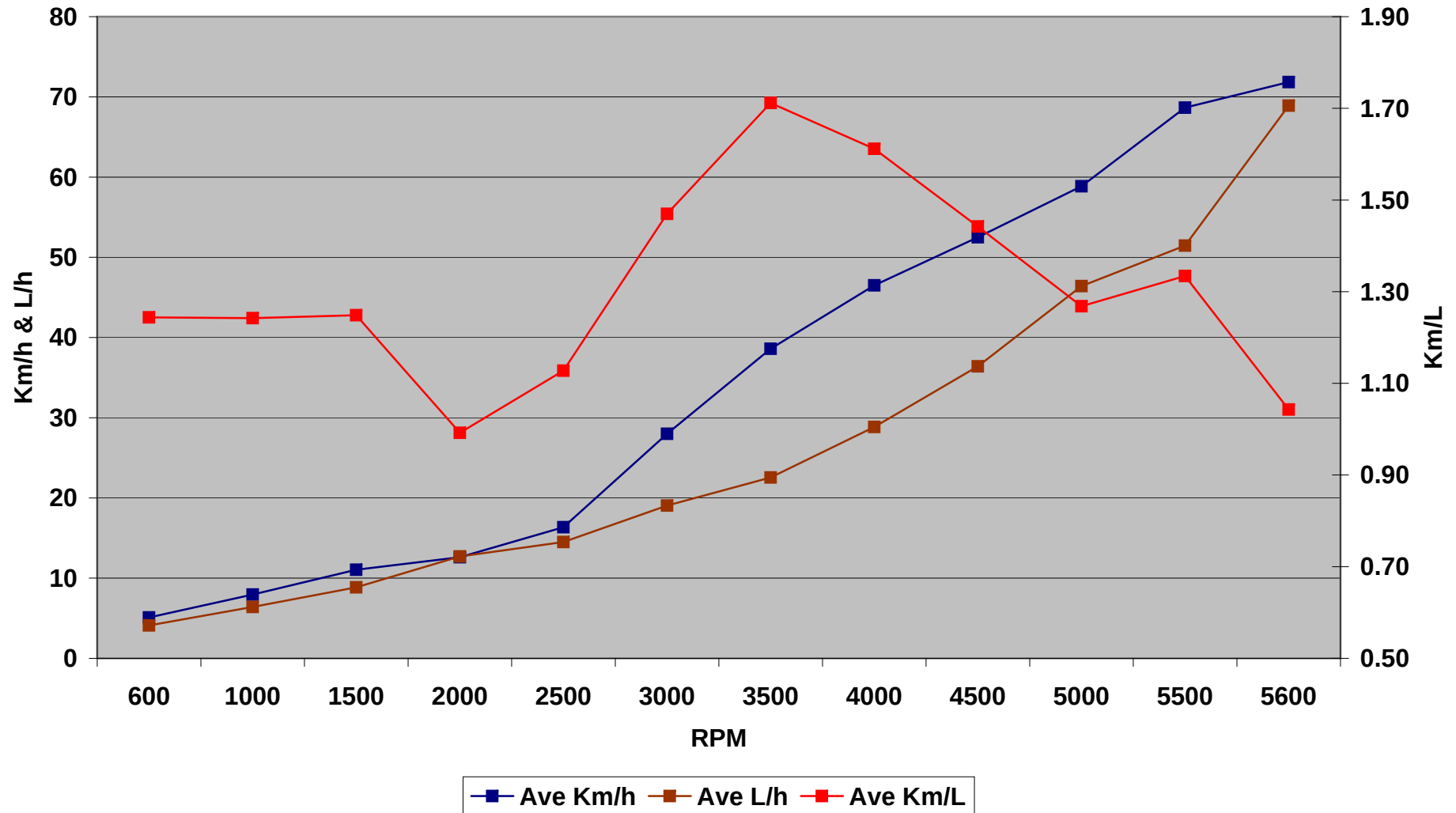
Date:	17-May-11	Place:	Brisbane, Wynnum			Name:	Glenn Gibson & Gary Howard.							
Boat:	Plate Xtreme Pursuit			Engine:	Z175GETO		Conditions:		Flat, Tidal					
BB:	Sea Jay			Serial No:	1001222		Weather:		Fine, Sunny, Cold					
Max Ave Speed:	71.85	Km/h		Output:	128.7 @ 5000	kW/Rpm	Wind Direction:		SSW					
Max RPM Achieved:	5600	RPM		Prop DxD:	13 ¾ x	17	Wind Velocity:		>10				Knots	
Max Horse Power	200	HP		Prop Type:	Black S-Steel M		Temperature:		18.3°				Deg C	
Max Transom Weight:	350	Kgs		Weight:	220	Kgs	Humidity:		72				%	
Displacement:	1,180	Kgs		Gear Ratio:	1.86	(26/14)	Sea Water Temp:		23.3°				Deg C	
Fuel/tank size:	300	Litres		Prop Pt #	6G5-45978-03		Pressure:		1027.1				Hpa	
Eng Height:				Alt Output:	45	Amps	Max. Fuel Consumption:		68.90				L/h	
				Crew:	2	Persons	Fuel:		100				Kgs	
				Crew Wt:	180	Kgs	Stores:	(Tools)	50				Kgs	
				Hull + Eng:	1,400	Kgs	Other:	(Water)	0				Kgs	
L.O.A. =	6.25M	Beam =	2.49M	Safety Kit:	20	Kgs	Approx Total:		1,750				Kgs	
Test	Engine Trim	Direction	RPM	Speed Km/h	Fuel L/h	Av Speed		Av Fuel Consumption		Kms per Litre	Av N.mpg	N.M. per Litre	Range in Kms*	Prop Slip
1	-4	W	600	6.10	4.00	5.10	Km/h	4.10	L/h	1.24	3.04	0.67	355	39%
2	-4	E	600	4.10	4.20	2.75	Knots	0.90	G/PH					
1	-4	W	1000	8.80	6.40	7.95	Km/h	6.40	L/h	1.24	3.04	0.67	354	43%
2	-4	E	1000	7.10	6.40	4.29	Knots	1.41	G/PH					
1	-4	W	1500	12.20	8.80	11.05	Km/h	8.85	L/h	1.25	3.06	0.67	356	47%
2	-4	E	1500	9.90	8.90	5.96	Knots	1.95	G/PH					
1	-4	W	2000	13.30	12.30	12.60	Km/h	12.70	L/h	0.99	2.43	0.53	283	55%
2	-4	E	2000	11.90	13.10	6.79	Knots	2.80	G/PH					
1	-4	W	2500	17.50	14.40	16.35	Km/h	14.50	L/h	1.13	2.76	0.61	321	53%
2	-4	E	2500	15.20	14.60	8.81	Knots	3.19	G/PH					
1	-4	W	3000	29.80	18.80	28.00	Km/h	19.05	L/h	1.47	3.60	0.79	419	33%
2	-4	E	3000	26.20	19.30	15.09	Knots	4.20	G/PH					
1	-4	W	3500	39.50	22.30	38.60	Km/h	22.55	L/h	1.71	4.19	0.92	488	21%
2	-4	E	3500	37.70	22.80	20.81	Knots	4.97	G/PH					
1	-4	W	4000	48.90	28.10	46.50	Km/h	28.85	L/h	1.61	3.94	0.87	459	17%
2	-4	E	4000	44.10	29.60	25.06	Knots	6.35	G/PH					
1	-4	W	4500	53.80	35.80	52.50	Km/h	36.40	L/h	1.44	3.53	0.78	411	16%
2	-4	E	4500	51.20	37.00	28.30	Knots	8.02	G/PH					
1	-4	W	5000	60.10	45.90	58.85	Km/h	46.40	L/h	1.27	3.10	0.68	361	16%
2	-4	E	5000	57.60	46.90	31.72	Knots	10.22	G/PH					
1	Half Trim	W	5500	71.80	50.80	68.65	Km/h	51.45	L/h	1.33	3.27	0.72	380	10%
2	Half Trim	E	5500	65.50	52.10	37.00	Knots	11.33	G/PH					
1	Full Trim	W	5600	73.80	68.80	71.85	Km/h	68.90	L/h	1.04	2.55	0.56	297	8%
2	Full Trim	E	5600	69.90	69.00	38.73	Knots	15.18	G/PH					

Turning: Engine height set perfect.

Comments: Great combination with the HPDI engine, effortless planning ability with good ability to hold boat on plane at relatively low RPM hence increasing economy to near 4-Stroke like fuel consumption.

*** Range in km's = 95% of fuel tank capacity**
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Sea Jay 6.2 Pursuit Z175GETOX 13¾ x 17" Black S-Steel M



Sea Jay 6.2 Pursuit Z175GETOX 13¾ x 17" Black S-Steel M
Boat Speed With Best Kilometres Per Litre

