



# Performance Bulletin

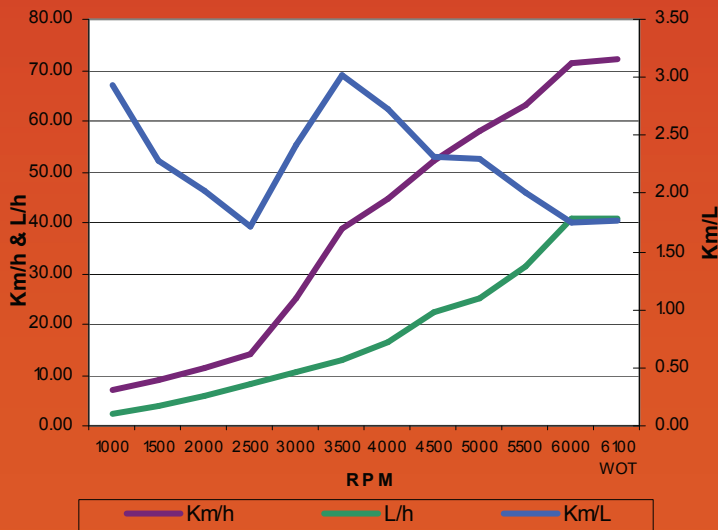
Test Date: 9th of February 2009



**F115AETX/09**

## Performance Data

RPM	Km/h	L/h	Km/L
1000	7.20	2.45	2.94
1500	9.00	3.95	2.28
2000	11.50	5.70	2.02
2500	14.30	8.35	1.71
3000	25.20	10.45	2.41
<b>3500</b>	<b>38.85</b>	<b>12.85</b>	<b>3.02</b>
4000	44.75	16.40	2.73
4500	52.10	22.50	2.32
5000	57.85	25.15	2.30
5500	63.05	31.50	2.00
6000	71.20	40.60	1.75
<b>6100 WOT</b>	<b>72.20</b>	<b>40.80</b>	<b>1.77</b>



Test Performed by certified Yamaha Technicians

Boat Manufactured by:  
Sea Jay - 2 Maddison Court, Bundaberg QLD 4670  
07 4152 2111 - [www.seajayboats.com.au](http://www.seajayboats.com.au)

## SEAJAY 5.0M QUICKSTRIKE

Length	5.00m
Beam	2.12m
Dry Weight	683kg
Max Hp	115hp
Fuel Capacity	100L
Weight as Tested (approximate)	1,015kg

## F115AETX/09

Horsepower	115Hp @ 5500rpm
Engine Type	16-Valve DOHC Direct-Action In Line 4 cyl
Weight (Inc. Prop)	193kg
Gear Ratio	2.15 (28/13)
Mounting Height	2nd Hole

## PROPELLER

Series	Black K SST (688)
Diameter/ Pitch	13 x 19"
Part Number	688-45970-03-98

## TEST CONDITIONS

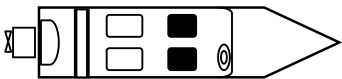
Crew	2
Air Temperature	31.0 C
Wind Speed	14 Knots
Fuel	100L
Water Temperature	26.9 C

## TEST PERFORMANCE SUMMARY

Max Ave Speed	72.20 Km/h or 38.92 Knots
Best Cruising Km/L	3.02 Km/L @ 3500rpm
Range, Based on 95% Fuel Capacity at Best Km/L	287 Km
Acceleration 10 - 50 Km/h	5.25 Sec

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

<b>Date:</b>	9-Feb-09	<b>Place:</b>	Brisbane River	<b>Name:</b>	Glenn Gibson & Grant Binskin							
<b>Boat:</b>	Quickstrike 5.0m			<b>Engine:</b>	F115AETX		<b>Conditions:</b>	WINDY, 7 Km RUNNING TIDE				
<b>BB:</b>	Sea Jay			<b>Serial No:</b>	1102619		<b>Weather:</b>	HOT, SUNNY				
<b>Max Ave Speed:</b>	72.20	<b>Km/h</b>	<b>Output:</b>	115@5500 HP/Rpm		<b>Wind Direction:</b>	NE					
<b>Max RPM Achieved:</b>	6100	<b>RPM</b>	<b>Prop DXP:</b>	<b>13 x 19</b>		<b>Wind Velocity:</b>	14	<b>Knots</b>				
<b>Deadrise:</b>	?	<b>Degrees</b>	<b>Prop Type:</b>	<b>BLACK SST K</b>		<b>Temperature:</b>	31	<b>Deg C</b>				
<b>Max Transom Weight:</b>	195	<b>Kgs</b>	<b>Weight:</b>	193	<b>Kgs</b>	<b>Humidity:</b>	56	<b>%</b>				
<b>Displacement:</b>	490	<b>Kgs</b>	<b>Gear Ratio</b>	2.15 (28/13)		<b>Sea Water Temp:</b>	26.9	<b>Deg C</b>				
<b>Fuel/tank size:</b>	100	<b>Litres</b>	<b>Prop Slip:</b>	12%		<b>Pressure:</b>	1007.3	<b>Hpa</b>				
<b>Eng Height:</b>	<b>2nd Hole</b>			<b>Prop Pt #</b>	688-45970-03-98		<b>Fuel Vacuum Test:</b>	-12kpa @ 38L/h				
<b>Crew Arrangement</b>				<b>Crew:</b>	2	<b>Persons</b>	<b>Fuel:</b>	100	<b>Kgs</b>			
				<b>Crew Wt:</b>	160	<b>Kgs</b>	<b>Stores: (Tools)</b>	20	<b>Kgs</b>			
				<b>Hull + Eng:</b>	683	<b>Kgs</b>	<b>Other: (Water)</b>	20	<b>Kgs</b>			
				<b>Safety Kit:</b>	30	<b>Kgs</b>	<b>Approx Total:</b>	1,015			<b>Kgs</b>	
<b>L.O.A. =</b>	5.00M	<b>Beam =</b>	2.12M									

Test	Engine Trim	Direction	RPM	Speed Km/h	Fuel L/h	Av Speed		Av Fuel Consumption		Kms per Litre	Av N.mp gal	N.M. per Litre	Range in Kms*
						Km/h	Knots	L/h	G/PH				
1	-4	W	700	1.90	1.30	4.45	Km/h	1.30	L/h	3.42	8.38	1.85	325
2	-4	E	700	7.00	1.30	2.40	Knots	0.29	G/PH				
1	-4	W	1000	4.40	2.50	7.20	Km/h	2.45	L/h	2.94	7.19	1.58	279
2	-4	E	1000	10.00	2.40	3.88	Knots	0.54	G/PH				
1	-4	W	1500	6.40	4.00	9.00	Km/h	3.95	L/h	2.28	5.58	1.23	216
2	-4	E	1500	11.60	3.90	4.85	Knots	0.87	G/PH				
1	-4	W	2000	8.90	5.70	11.50	Km/h	5.70	L/h	2.02	4.94	1.09	192
2	-4	E	2000	14.10	5.70	6.20	Knots	1.26	G/PH				
1	-4	W	2500	11.80	8.40	14.30	Km/h	8.35	L/h	1.71	4.19	0.92	163
2	-4	E	2500	16.80	8.30	7.71	Knots	1.84	G/PH				
1	-4	W	3000	22.40	10.70	25.20	Km/h	10.45	L/h	2.41	5.90	1.30	229
2	-4	E	3000	28.00	10.20	13.58	Knots	2.30	G/PH				
1	-4	W	3500	36.50	12.90	38.85	Km/h	12.85	L/h	3.02	7.40	1.63	287
2	-4	E	3500	41.20	12.80	20.94	Knots	2.83	G/PH				
1	-4	W	4000	42.00	16.50	44.75	Km/h	16.40	L/h	2.73	6.68	1.47	259
2	-4	E	4000	47.50	16.30	24.12	Knots	3.61	G/PH				
1	-4	W	4500	49.60	22.80	52.10	Km/h	22.50	L/h	2.32	5.67	1.25	220
2	-4	E	4500	54.60	22.20	28.08	Knots	4.96	G/PH				
1	-4	W	5000	55.00	25.70	57.85	Km/h	25.15	L/h	2.30	5.63	1.24	219
2	-4	E	5000	60.70	24.60	31.18	Knots	5.54	G/PH				
1	-4	W	5500	61.40	31.40	63.05	Km/h	31.50	L/h	2.00	4.90	1.08	190
2	-4	E	5500	64.70	31.60	33.98	Knots	6.94	G/PH				
1	Half Trim	W	6000	68.90	40.70	71.20	Km/h	40.60	L/h	1.75	4.29	0.95	167
2	Half Trim	E	6000	73.50	40.50	38.38	Knots	8.94	G/PH				
1	Full trim out	W	6100	70.00	41.00	72.20	Km/h	40.80	L/h	1.77	4.33	0.95	168
2	Full trim out	E	6100	74.40	40.60	38.92	Knots	8.99	G/PH				

**Turning:** Turns well, ventilates if turned while trimmed out, hence burn marks on prop blade.

**General Operation:** Boats is well balanced with engine height & weight.

**Acceleration 10 - 50 Km/h:** 5.25 **Seconds over 45.76 meters.**

**Comments:** 19K is perfect, stretches out to 6100rpm just.

**4.9L of fuel used over 10.42 Km = 2.13 Km/L, Ave Km/h = 26.7 (testing conditions).**

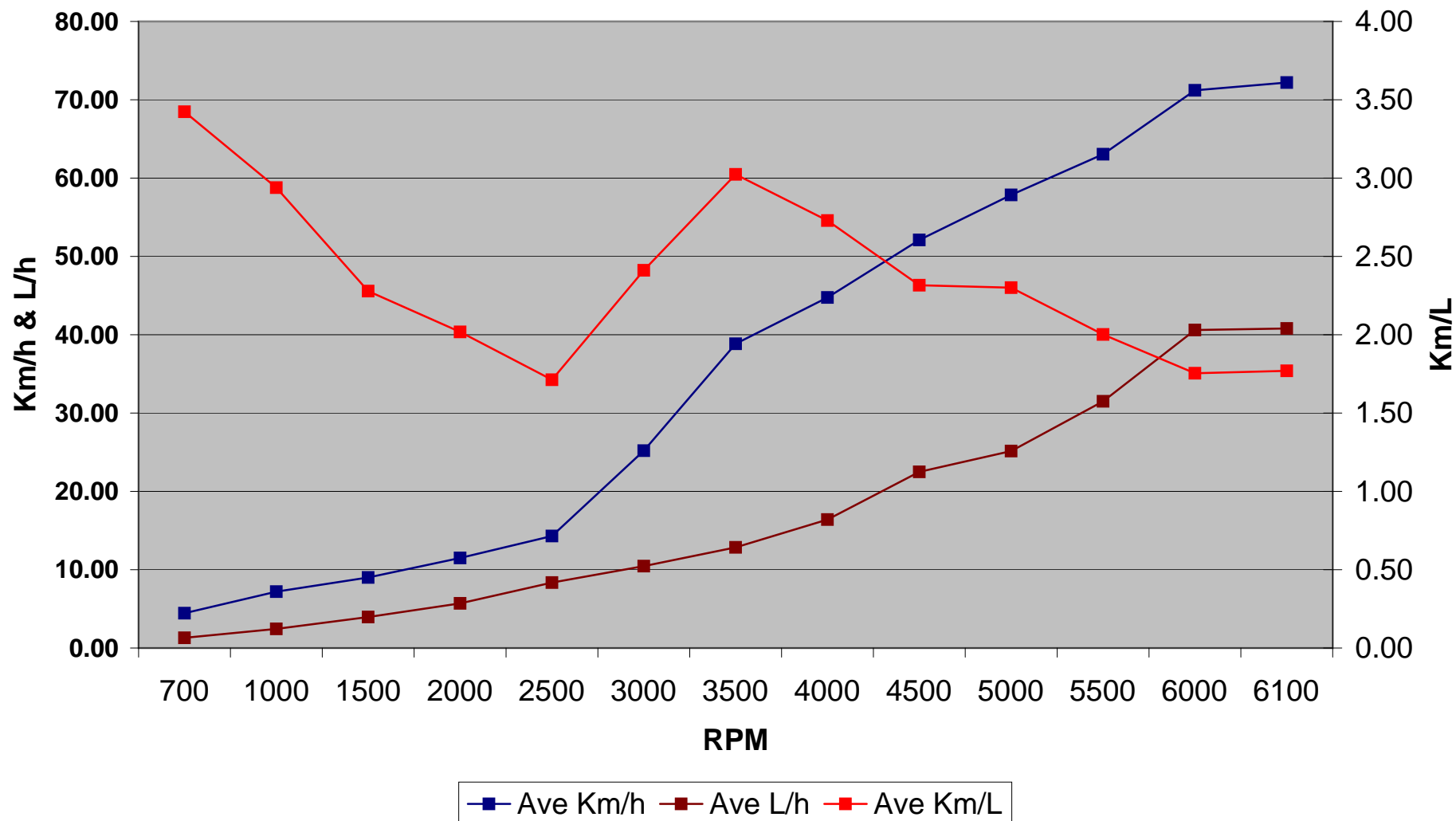
**\* Range in km's = 95% of fuel tank capacity**

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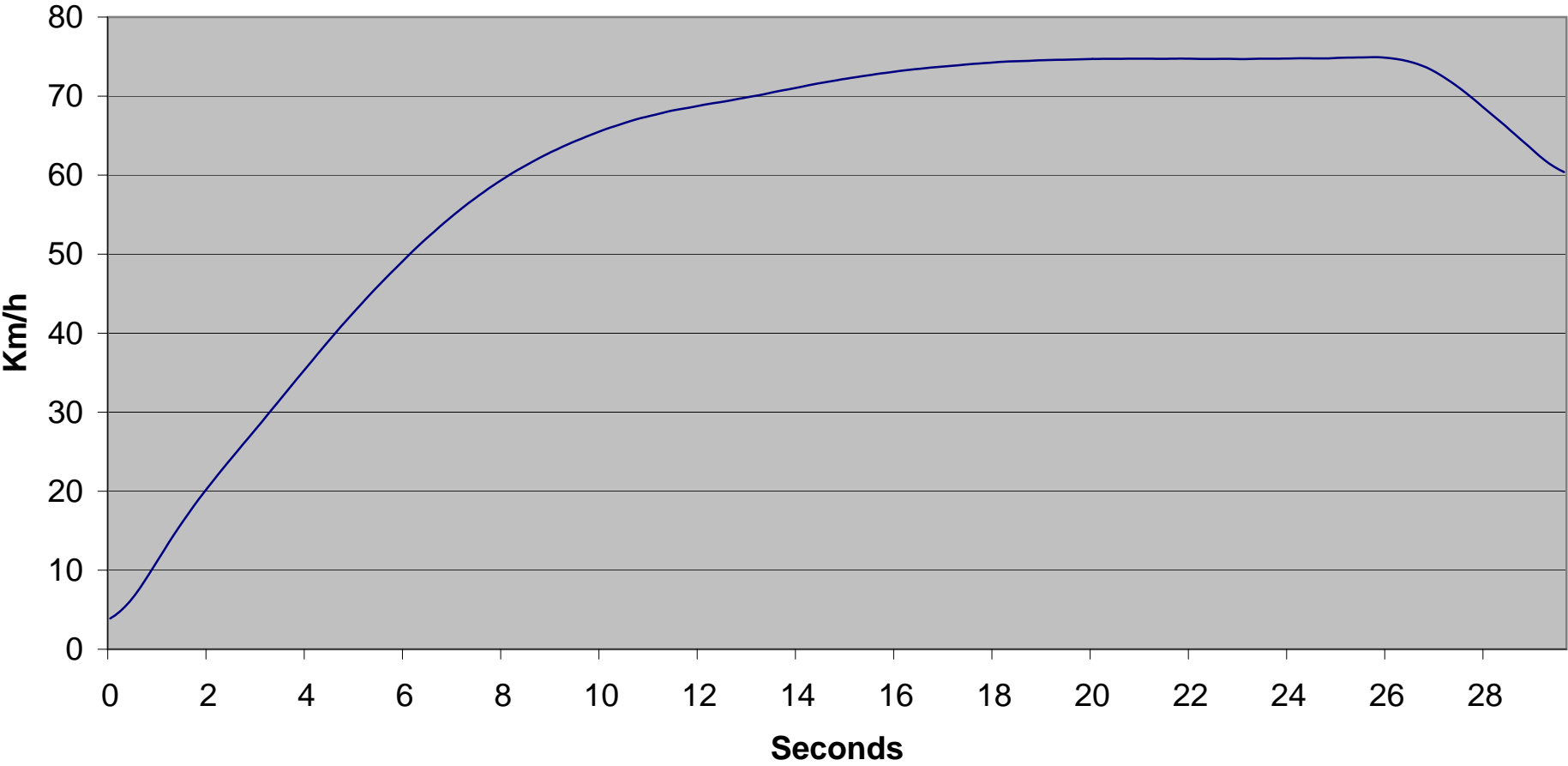
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### Sea Jay 5.0m Quickstrike, 1 x F115AETX 13 x 19" Black SST K (688)



**Acceleration Graph**  
**Sea Jay 5.0m Quickstrike, 1 x F115AETX 13 x 19" Black SST K (688)**



— 13 x 19 Black SST K Series

