

# Performance Bulletin

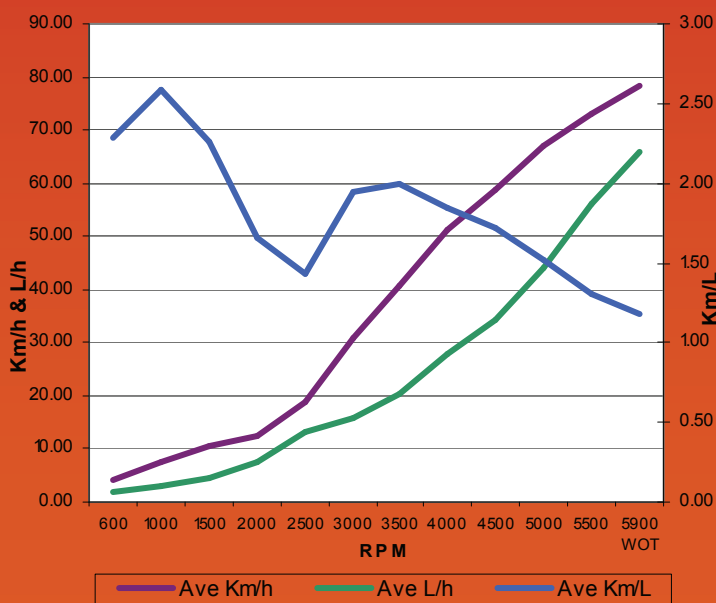
Test Date: 13th July 2010



**F150AETX**

## Performance Data

RPM	Ave Km/h	Ave L/h	Ave Km/L
600	4.00	1.75	2.29
1000	7.50	2.90	2.59
1500	10.40	4.60	2.26
2000	12.40	7.50	1.65
2500	18.95	13.25	1.43
3000	30.85	15.85	1.95
<b>3500</b>	<b>40.65</b>	<b>20.40</b>	<b>1.99</b>
4000	51.10	27.75	1.84
4500	58.65	34.10	1.72
5000	66.90	44.00	1.52
5500	72.95	56.10	1.30
<b>5900 WOT</b>	<b>78.15</b>	<b>65.95</b>	<b>1.18</b>



Test Performed by certified Yamaha Technicians

Boat Manufactured by:

<http://www.blackwatch22.com/>

## BLACKWATCH 22FT CENTRE COSOLE

Length	6.70m
Beam	2.35m
Dry Weight	650kg
Max Hp	175hp
Fuel Capacity	200L
Weight as Tested (approximate)	1,367kg

## F150AETX

Horsepower	110.3 kW (150ps) @ 5500rpm
Engine Type	16-Valve DOHC Direct-Action In Line 4 Cylinder
Weight	220kg
Gear Ratio	2.00 (28/14)
Mounting Height	2nd Hole

## PROPELLER

Series	Black M (6G5)
Diameter/ Pitch	13 $\frac{3}{4}$ x 19"
Part Number	6G5-45974-03

## TEST CONDITIONS

Crew	2
Air Temperature	18.0° C
Wind Speed	>5 Knots
Fuel	200L
Water Temperature	23.2° C

## TEST PERFORMANCE SUMMARY

Max Ave Speed	78.15 Km/h or 42.12 Knots
Best Cruising Km/L	1.99 Km/L @ 3500rpm
Range, Based on 95% Fuel Capacity at Best Km/L	379Km

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.