

# Performance Bulletin

Test Date: 17th of February 2009



## F100DET<sub>X</sub>/09

### INFLATABLES RIBs MARINE

Length	6.25m
Beam	2.75m
Dry Weight	850kg
Max Hp	260hp
Fuel Capacity	335L
Weight as Tested (approximate)	1,960kg

### F100DET<sub>X</sub>/09

Horsepower	100hp @ 5500rpm
Engine Type	16-Valve DOHC Direct-Action In-Line 4
Weight (Inc. Prop)	181kg
Gear Ratio	2.31 (30/13)
Mounting Height	3rd Hole

### PROPELLER

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

### TEST CONDITIONS

Crew	3
Air Temperature	26.5C
Wind Speed	7 Knots
Fuel	335L
Water Temperature	26.1C

### TEST PERFORMANCE SUMMARY

Max Ave Speed	61.90 Km/h or 33.36 Knots
Best Cruising Km/L	1.38 Km/L @ 4000rpm
Range, Based on 95% Fuel Capacity at Best Km/L	439 Km

### Performance Data

RPM	Km/h	L/h	Km/L
1000	6.10	3.65	1.67
1500	8.60	5.65	1.52
2000	11.10	9.20	1.21
2500	12.65	13.60	0.93
3000	16.30	19.00	0.86
3500	27.45	23.50	1.17
<u>4000</u>	<u>37.50</u>	<u>27.20</u>	<u>1.38</u>
4500	43.10	33.90	1.27
5000	48.80	44.10	1.11
5500	54.50	57.45	0.95
6000	59.00	74.25	0.79
6100 WOT	61.90	75.35	0.82



Test Performed by certified Yamaha Technicians

Boat Manufactured by:  
Inflatables RIBs Marine (IRM) - 2 / 1356 Lytton Road, Hemmant QLD 4174  
07 3390 7133 - <http://inflatablesribmarine.irms.com.au>

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.