



DF140A PERFORMANCE TEST on Australian Master Marine 5.8m

Test conditions

Date:	14/04/2014
Location:	Pine River, QLD
Conditions:	Calm, bottom of tide
Temperature:	27°C
Crew:	2

Test boat: Australian Master Marine 5.8m Cuddy Cabin

Length:	5.8m
Beam:	2.25m
Dry Weight:	n/a
Max Horsepower:	150hp
Fuel Capacity:	200L
Weight as tested:	1500kg (est)

Outboard: Suzuki DF140A

Horsepower:	140hp
Cylinder:	In line 4
Weight:	186kg
Gear Ratio:	2.59:1
Propeller:	Suzuki 14 x 19 3 blade alloy

Conclusion

Optimal Cruise Speed:	38.1km/h (20.4 knots)
Cruise Range (Approx) Based on 95% Fuel Capacity:	475km
Maximum Speed:	65.1km/h (35 knots)
0-40km/h:	n/a

Suzuki performance figures

RPM	Av KM/H	L/Hr	Av L/KM
650	4.15	1	0.25
1000	6.95	1.6	0.2
1500	9.8	2.8	0.3
2000	11.4	5.25	0.45
2500	13.45	7.1	0.55
3000	18.1	10.55	0.6
3500	30.2	13.25	0.4
4000	38.05	16.3	0.4
4500	44.8	21.7	0.5
5000	50.25	25.9	0.5
5500	55.35	31.5	0.55
6000	60.9	43.4	0.7
6300	64.45	45.3	0.7

Suzuki fuel consumption comparison

