



DF300AP tested on Yamba Welding Naiad 10m Commercial

Test conditions

Date:	26/07/2012
Location:	Yamba, NSW
Conditions:	Calm
Temperature:	n/a
Crew:	2

Test boat: Yamba Welding Naiad 10m Commercial

Length:	10.0m
Beam:	2.9m
Dry weight:	n/a
Max horsepower:	700hp
Fuel capacity:	1,000L
Weight as tested:	4,400kg (est)

Outboard: Twin Suzuki DF300AP

Horsepower:	300hp
Cylinder:	V6
Weight:	279kg
Gear ratio:	2.08:1
Propeller:	Suzuki 16 x 20 3 blade stainless steel

Conclusion

Optimal cruise speed:	43.5km/h (23.3 knots)
Cruise range (approx) based on 95% fuel capacity:	950km
Maximum speed:	84.5km/h (45.3 knots)
0-40km/h:	n/a

Suzuki performance figures

RPM	Av km/h	L/hr	Av L/km
700	9.3	6.7	0.72
1000	13.4	8.5	0.63
1500	15.7	15.2	0.97
2000	22.8	21.1	0.92
2500	33.3	33.6	1.01
3000	43.5	43.7	1.0
3500	54.9	67.4	1.23
4000	60.9	89	1.46
4500	68.5	96.5	1.41
5000	74.5	112	1.5
5500	82.9	158.5	1.91
6000	84.5	209.5	2.48

Suzuki fuel consumption comparison

