



DF300AP tested on Spearfish 8.2m

Test conditions

Date:	23/09/2013
Location:	Mandurah Estuary, WA
Conditions:	0.5m-1.5m wind chop, 40-50km/h winds
Temperature:	17°C
Crew:	2

Test Boat: Spearfish 8.2m

Length:	8.2m
Beam:	2.5m
Dry Weight:	2800kg
Max Horsepower:	600hp
Fuel Capacity:	500L
Weight as tested:	3500kg

Outboard: Twin Suzuki DF300AP

Horsepower:	300hp
Cylinder:	V6
Weight:	279kg
Gear Ratio:	2.08:1
Propeller:	Suzuki 16 x 17 3 blade stainless steel

Conclusion

Optimal Cruise Speed:	44km/h
Cruise Range (Approx) Based on 95% Fuel Capacity:	432km/h
Maximum Speed:	93km/h
0-40km/h:	2.5 sec



Suzuki performance figures

RPM	Av KM/H	L/Hr	Av L/KM
700	6.5	4.2	0.65
1000	9.7	8.4	0.87
1500	13	16.25	1.25
2000	21	23	1.1
2500	31.5	33.25	1.06
3000	44	48.5	1.1
3500	53	61.5	1.16
4000	62.5	87.5	1.4
4500	70	110	1.57
5000	78	130	1.67
5500	84.5	138.5	1.64
6000	91.5	193.5	2.11

Suzuki fuel consumption comparison

