



DF300AP tested on PowerCat 3000

Test conditions

Date:	29/10/2013
Location:	Bribie Passage, QLD
Conditions:	Good-calm, 10-15 knot winds
Temperature:	28°C
Crew:	3

Test boat: PowerCat 3000

Length:	10.0m
Beam:	2.8m
Dry weight:	2,000kg (est)
Max horsepower:	600hp
Fuel capacity:	600L
Weight as tested:	2,800kg

Outboard: Twin Suzuki DF300AP

Horsepower:	300hp x 2
Cylinder:	V6
Weight:	279kg
Gear ratio:	2.08:1
Propeller:	Suzuki 16 x 20 3 blade stainless steel

Conclusion

Optimal cruise speed:	49.4km/h (26 knots)
Cruise range (approx) based on 95% fuel capacity:	483km
Maximum speed:	92km/h (49.7 knots)
0-40km/h:	n/a

Suzuki performance figures

RPM	Av km/h	L/hr	Av L/km
700	6.5	3.9	0.6
1000	8.8	7.5	0.86
1500	13	15.3	1.18
2000	17	23.8	1.4
2500	28.3	36.3	1.28
3000	39.3	45.8	1.17
3500	49.4	58.5	1.18
4000	58.3	78.1	1.34
4500	64.2	103.3	1.61
5000	73.5	120.4	1.64
5500	80.2	150.4	1.88
6000	89.8	202	2.25

Suzuki fuel consumption comparison

