



## DF300AP tested on Signature 675F

### Test conditions

<b>Date:</b>	27/11/2013
<b>Location:</b>	Brisbane River, QLD
<b>Conditions:</b>	Light chop
<b>Temperature:</b>	30°C
<b>Crew:</b>	3

### Test Boat: Signature 675F

<b>Length:</b>	6.89m
<b>Beam:</b>	2.50m
<b>Dry Weight:</b>	1,700kg (est)
<b>Max Horsepower:</b>	300hp
<b>Fuel Capacity:</b>	280L
<b>Weight as tested:</b>	2,300kg (est)

### Outboard: Suzuki DF300AP

<b>Horsepower:</b>	300hp
<b>Cylinder:</b>	V6
<b>Weight:</b>	274kg
<b>Gear Ratio:</b>	2.08:1
<b>Propeller:</b>	Suzuki 16 x 18.5 3 blade stainless steel

### Conclusion

<b>Optimal Cruise Speed:</b>	42.4km/h (22.7 knots)
<b>Cruise Range (Approx) Based on 95% Fuel Capacity:</b>	443km
<b>Maximum Speed:</b>	77km/h
<b>0-40km/h:</b>	n/a

### Suzuki performance figures

RPM	Av KM/H	L/Hr	Av L/KM
700	4.9	1.9	0.4
1000	7.6	3.95	0.55
1500	11	7.35	0.7
2000	13	11	0.85
2500	15.5	17.3	1.15
3000	29.8	22.2	0.7
3500	42.4	28	0.6
4000	51.8	36	0.7
4500	58.3	52	0.8
5000	64.5	64	0.9
5500	70.6	88	1.2
6000	75	98	1.3

### Suzuki fuel consumption comparison

