

SUZUKI ENGINE BOAT TEST REPORT

BOAT AND ENGINE

BOAT SPECIFICATIONS

MODEL	REVOLUTION 15
TYPE	SPORTSBOAT
USE	LEISURE
LENGTH	4.55 mtrs
BEAM	1.95 mtrs
WEIGHT INC ENGINE	454 kg
HULL MATERIAL	GRP
TRANSOM HEIGHT	508 mm
TRANSOM ANGLE	12°
TANK CAPACITY	25 ltrs

Ranieri
INTERNATIONAL



ENGINE SPECIFICATIONS

MODEL	DF50A (LEAN BURN)
PROP	SIZE 11 1/4" x 14"
	MATERIAL ALLOY
	BLADES 3

TEST CONDITIONS

TEST AREA	INLAND LAKE
WATER TYPE	FRESH
SEA STATE	CALM

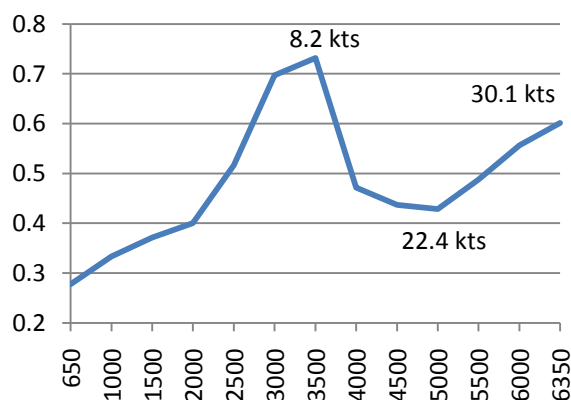
WIND FORCE	3 - 4
WEATHER	DRY
CREW NO.	2

FUEL CARRIED	25 ltrs
CREW WEIGHT	150 kg
EQUIP. WEIGHT	50 kg

PERFORMANCE

ENGINE RPM	BOAT SPEED	FUEL USAGE		RANGE	SOUND LEVEL
		LPH	LPM		
650	1.8 kts	0.5	0.3	81 NM	78 dB
1000	2.1 kts	0.7	0.3	68 NM	82 dB
1500	3.5 kts	1.3	0.4	61 NM	82 dB
2000	5.0 kts	2.0	0.4	56 NM	82 dB
2500	6.0 kts	3.1	0.5	44 NM	89 dB
3000	6.6 kts	4.6	0.7	32 NM	89 dB
3500	8.2 kts	6.0	0.7	31 NM	90 dB
4000	14.0 kts	6.6	0.5	48 NM	93 dB
4500	19.0 kts	8.3	0.4	52 NM	95 dB
5000	22.4 kts	9.6	0.4	53 NM	95 dB
5500	24.6 kts	12.0	0.5	46 NM	98 dB
6000	27.5 kts	15.3	0.6	40 NM	101 dB
6350	30.1 kts	18.1	0.6	37 NM	104 dB

ENGINE RPM : FUEL LITRES/MILE



SUMMARY

MAX RPM	6350
MAX SPEED	30.1 kts

OPTIMUM FUEL EFFICIENTCY	9.6 lph	AT	5000 rpm
OPTIMUM RANGE	53 NM	AT	22.4 kts

RANGE CALCULATION AT 90% TANK CAPACITY

ACCELERATION 0 - 25 KTS	10.0 seconds
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CONTACTS

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