

SPECIFICATIONS

Model Numbers 2R77
 *Horsepower (B.I.A.-certified) 2 HP at 4500 rpm
 Full throttle operating range 4200 to 4800 RPM
 Test tank with test wheel 3900 RPM
 Test wheel Part Number 316021
 Engine type Single cylinder, 2 cycle
 Bore and stroke 1-9/16" bore x 1-3/8" stroke (39.69 x 34.93 mm)
 Piston displacement 2.64 cubic inches (43 cm³)
 Piston ring sets (2 per set)
 Standard Part Number 383920
 .030" (0.76 mm) oversize Part Number 384312
 Diameter of ring 1.563 in. (standard) (39.7 mm)
 Width of ring0625 - .0615 in. (1.59 - 1.565 mm)
 Width of ring0625 - .0615 in.
 Piston assembly - standard Part Number 384651
 .030" (0.76 mm) oversize piston less rings Part Number 384666
 Crankshaft size
 Top journal7502 - .7497 in. (17.409 - 17.396 mm)
 Bottom journal7502 - .7497 in. (17.409 - 17.396 mm)
 Connecting rod crank pin6690 - .6685 in. (15.811 - 15.875 mm)
 Carburetion Single barrel float feed, with high and low speed adjustments
 Float level setting Flush with casting
 Inlet needle seat.050 - .053 (1.27 - 1.346 mm) Use a #55 drill as gage
 Cooling system Vari-volume pump
 Propeller gear ratio 12:25
 Propeller drive pin Part Number 316558
 Propeller 7-1/4 x 4-1/2 (184 x 114.3 mm)
 Speed control Single lever, synchronized throttle and spark
 Weight 24 lbs. (10.9 Kg)
 Fuel capacity Gravity feed integral tank 1 qt. (.95 liter)
 Starter Manual self rewinding
 Ignition Flywheel magneto
 Spark plug AC-M44C, Champion J6J - 14 mm
 Spark plug gap030 inch (0.76 mm)
 Spark plug torque 17-1/2 - 20-1/2 foot-pounds (24-27 N·m)
 Breaker point gap020 inch (0.51 mm)
 Condenser Part Number 580321
 Capacity18 to .22 Mfd.
 Coil Part Number 580971

COIL TEST SPECIFICATIONS

Stevens Tester Model ST-75

Normal Polarity (Switch Setting Standard)	2.2
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Stevens Tester Model No. M.A. -75 or 80

Switch	Index Adjustment
B	22

Merc-O-Tronic

Operating Amperage	Primary Resistance		Secondary Continuity	
	Min.	Max.	Min.	Max.
1.6	.5	.7	35	45

Graham Tester Model 51

Maximum Secondary	Maximum Primary	Coil Index	Minimum Coil Test	Max. Gap Index
5500	1.2	75	33	75

* Horsepower established at sea level. Allow 2% reduction per 1000' (300 m) above sea level.