

SPECIFICATIONS

Model Number J2RCSM
 *Horsepower (B.I.A.-certified) 2 HP (1.4 kW) at 4500 rpm
 Full throttle operating range 4200 to 4800 rpm
 Test tank with test wheel 3900 rpm
 Test wheel Part Number 316021
 Idle rpm 650 rpm
 Engine type Single cylinder, 2 stroke 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
 0.030" (0.76 mm) oversize Part Number 384312
 Width of ring 0.0625 - 0.0615 in. (1.588 - 1.562 mm)
 Piston assembly - standard Part Number 384651
 0.030" (0.76 mm) oversize piston less rings Part Number 384666
 Crankshaft size
 Top journal 0.7502 - 0.7497 in. (19.055 - 19.042 mm)
 Bottom journal 0.7502 - 0.7497 in. (19.055 - 19.042 mm)
 Connecting rod crank pin 0.6700 - 0.6695 in. (17.018 - 17.005 mm)
 Carburetion Single barrel float feed, with high and low speed adjustments
 Float level setting Between steps on gauge No. 324891
 Inlet needle seat 0.050-0.053 (1.27 - 1.35 mm) Use a #55 drill as gage
 Cooling system Centrifugal pump
 Propeller gear ratio 12:25
 Propeller drive pin Part Number 316558
 Propeller 7-1/4 x 4-1/2
 Speed control Single lever, synchronized throttle and spark
 Weight 24 lbs. (10.9 kg)
 Fuel capacity Gravity feed integral tank 1 qt. (0.95 litre)
 Starter Manual self rewinding
 Ignition Flywheel magneto
 Spark plug AC-M44C, Champion J6J - 14 mm
 Spark plug gap 0.030 inch (0.8 mm)
 Spark plug torque 17-1/2 - 20-1/2 foot-pounds (24-27 N·m)
 Breaker point gap 0.020 inch (0.5 mm)
 Condenser Part Number 580321
 Capacity 0.18 to 0.22 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	0.5	0.7	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.