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 cm^3)
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

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.