

SPECIFICATIONS

Model Numbers 1902
 *Horsepower (O.B.C.- certified) 1-1/2 hp at 4000 rpm
 Full throttle operating range 3500 to 4500 rpm
 Test tank with test wheel 4200 RPM
 Engine type Single cylinder, 2 cycle
 Bore and stroke 1-9/16" bore x 1-3/8" stroke
 Piston displacement 2.64 cubic inches
 Piston ring sets (2 per set)
 Standard Part Number 383920
 .020" oversize Part Number 383921
 Diameter of ring 1.563 in. (standard)
 Width of ring0625 - .0615 in.
 Lbs. compression recommended when compressed 1.3 to 2.8 lbs.
 Piston less rings
 Standard Part Number 383236
 .020 oversize Part Number 383240
 Crankshaft size
 Top journal7502 - .7497 in.
 Bottom journal7502 - .7497 in.
 Connecting rod crank pin6690 - .6685 in.
 Carburetion Single barrel float feed, with high and low-speed adjustments
 Float level setting Flush with casting
 Inlet needle seat050 - .053 Use a #55 drill as gage
 Cooling system Centri-matic cooling
 Propeller gear ratio 12:25
 Propeller drive pin Part Number 203230
 Propeller 7-1/4 x 4-1/2
 Speed control Single lever, synchronized throttle and spark
 Weight 20 lbs.
 Fuel capacity Gravity feed integral tank 1 qt.
 Starter Rope starting
 Ignition Flywheel magneto
 Spark plug AC-M42K, Champion J4J, Auto-Lite A21X - 14mm
 Spark plug gap030 inch
 Spark plug torque 17-1/2 - 20-1/2 foot-pounds
 Breaker point gap020 inch
 Condenser Part Number 580321
 Capacity18 to .22 Mfd.

**Part No. 580416 Coil Test Specifications
 Old Stevens Tester**

Switch	Index Reading
A	2. to 2.5

New Stevens Tester Model No. M.A. -75

Switch	Index Adjustment
A	24

Merc-O-Tronic

Operating Amperage	Primary Resistance		Secondary Continuity	
	Min.	Max.	Min.	Max.
1.6	.45	.55	30	45

Graham Tester Model 51

Maximum Secondary	Maximum Primary	Coil Index	Minimum Coil Test	Gap Index
4000	1.2	75	33	75

* Horsepower established at sea level. Allow 2% reduction per 1000' above sea level.