

## SPECIFICATIONS

Model Numbers	1802 Mate
*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	4400 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 378412
.020" oversize	Part Number 378414
Diameter of ring	1.563 in. (standard)
Width of ring	.0935 - .0925 in.
Lbs. compression recommended when compressed	2 to 3-1/2 lbs.
Piston less rings	
Standard	Part Number 376991
.020 oversize	Part Number 277283
Crankshaft size	
Top journal	.6854 - .6849 in.
Bottom journal	.6854 - .6849 in.
Connecting rod crank pin	.6255 - .6250 in.
Carburetion	Single barrel float feed, with high and low-speed adjustments
Float level setting	Flush with casting
Inlet needle seat	.065 - .062 Use a #52 drill as gage
Cooling system	Centri-matic pump cooling
Propeller gear ratio	12:25
Propeller drive pin	Part Number 313692
Propeller	7-1/4 x 4-1/2
Speed control	Single lever, synchronized throttle and spark
Weight	19 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 gap	.030 inch
Spark plug torque	17-1/2 - 20-1/2 foot-pounds
Breaker point gap	.020 inch
Condenser	Part Number 580321
Capacity	.18 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.