

SPECIFICATIONS

Model Numbers SC-10
 *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 ring0935 - .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 journal6854 - .6849 in.
 Bottom journal6854 - .6849 in.
 Connecting rod crank pin6255 - .6250 in.
 Carburetion Single barrel float feed, with high and
 low-speed adjustments
 Float level setting Flush with casting
 Inlet needle seat065 - .062 Use a #52 drill as gage
 Cooling system Vari-volume 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 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.