

**SPECIFICATIONS**

Model Numbers . . . . . 2202  
 \*Horsepower (B.I.A.-certified) . . . . . 2 HP at 4500 rpm  
 Full throttle operating range . . . . . 4200 to 4800 RPM  
 Test tank with test wheel . . . . . 4000 RPM  
 Test wheel . . . . . Part Number 316021  
 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  
     .030" oversize . . . . . Part Number 384312  
 Diameter of ring . . . . . 1.563 in. (standard)  
 Width of ring . . . . . .0625 - .0615 in.  
 Lbs. compression recommended when compressed . . . . . 1.3 to 2.8 lbs.  
 Piston and rings - standard . . . . . Part Number 384651  
     .030" oversize piston less rings . . . . . Part Number 384666  
 Crankshaft size  
     Top journal . . . . . .7502 - .7497 in.  
     Bottom journal . . . . . .7502 - .7497 in.  
 Connecting rod crank pin . . . . . .6690 - .6685 in.  
 Carburetion . . . . . Single barrel float feed, with high and  
     low-speed adjustments  
 Float level setting . . . . . Flush with casting  
 Inlet needle seat . . . . . .050 - .053 Use a #55 drill as gage  
 Cooling system . . . . . Centri-matic pump  
 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 . . . . . 24 lbs.  
 Fuel capacity . . . . . Gravity feed integral tank 1 qt.  
 Starter . . . . . Manual self rewinding  
 Ignition . . . . . Flywheel magneto  
 Spark plug . . . . . AC-M44C, Champion J6J - 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      | 22               |

Merc-O-Tronic

| Operating Amperage | Primary Resistance |      | Secondary Continuity |      |
|--------------------|--------------------|------|----------------------|------|
|                    | Min.               | Max. | Min.                 | Max. |
| 1.4                | .45                | .55  | 35                   | 45   |

Graham Tester Model 51

| Maximum Secondary | Maximum Primary | Coil Index | Minimum Coil Test | Gap Index |
|-------------------|-----------------|------------|-------------------|-----------|
| 5500              | 1.2             | 75         | 33                | 70        |

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