

SPECIFICATIONS

| Model Numbers | 9822 - Standard length (15" transom) 9823 - 5" longer (20" transom) | Speed control | On steering handle, synchronized throttle and spark | | | | | | | | | | | | |
|--|---|--|---|-----------|--|--------------------|--------------------------------|----------------------------------|-------------------|-----------|---------|-----|----|----|----|
| *Horsepower (O.B.C.-certified) | 9-1/2 hp at 4500 rpm | Gear shift control | Forward, neutral, & reverse | | | | | | | | | | | | |
| Full throttle operating range | 4000 to 5000 rpm | Weight | Model 9822 - 60 lbs Model 9823 - 61 lbs (without fuel tank) (fuel tank weight 11 pounds net) | | | | | | | | | | | | |
| Tank test with test wheel | 4400 rpm | Fuel capacity | 6 gallons, suction type tank | | | | | | | | | | | | |
| Engine type | 2 cylinder, 2 cycle alternate firing | Starter | Manual - self rewind | | | | | | | | | | | | |
| Bore and stroke | 2-5/16" bore x 1-13/16" stroke | Ignition | Flywheel magneto | | | | | | | | | | | | |
| Piston displacement | 15.2 cubic inches | Spark plug | AC-M42K, Champion J4J, Auto-Lite A21X - 14mm | | | | | | | | | | | | |
| Piston ring sets (3 per set) | | Spark plug gap | .030 inch | | | | | | | | | | | | |
| standard | Part No. 379360 | Spark plug torque | 17-1/2 - 20-1/2 foot-pounds | | | | | | | | | | | | |
| .020" oversize | Part No. 379373 | Breaker point gap | .020 inch | | | | | | | | | | | | |
| .040" oversize | Part No. 379371 | Condenser Capacity | Part Number 580321 .18 - .22 mfd. | | | | | | | | | | | | |
| Diameter of ring | 2.3125" (standard) | Part No. 580416 Coil Test Specifications | | | | | | | | | | | | | |
| Width of ring | .0935" - .0925" | Old Stevens Tester | | | | | | | | | | | | | |
| Lbs. compression recommended when compressed | 3 to 5 lbs. | <table border="1"> <thead> <tr> <th>Switch</th> <th>Index Reading</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>2.0 - 2.5</td> </tr> </tbody> </table> | | | | Switch | Index Reading | A | 2.0 - 2.5 | | | | | | |
| Switch | Index Reading | | | | | | | | | | | | | | |
| A | 2.0 - 2.5 | | | | | | | | | | | | | | |
| Piston less rings | | New Stevens Tester Model No. M.A.-75 | | | | | | | | | | | | | |
| standard | Part No. 379134 | <table border="1"> <thead> <tr> <th>Switch</th> <th>Index Adjustment</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>24</td> </tr> </tbody> </table> | | | | Switch | Index Adjustment | A | 24 | | | | | | |
| Switch | Index Adjustment | | | | | | | | | | | | | | |
| A | 24 | | | | | | | | | | | | | | |
| .020" oversize | Part No. 379372 | Merc-O-Tronic | | | | | | | | | | | | | |
| .040" oversize | Part No. 379369 | <table border="1"> <thead> <tr> <th>Operating Amperage</th> <th>Primary Resistance Min. - Max.</th> <th>Secondary Continuity Min. - Max.</th> </tr> </thead> <tbody> <tr> <td>1.7</td> <td>.4 - .6</td> <td>30 - 40</td> </tr> </tbody> </table> | | | | Operating Amperage | Primary Resistance Min. - Max. | Secondary Continuity Min. - Max. | 1.7 | .4 - .6 | 30 - 40 | | | | |
| Operating Amperage | Primary Resistance Min. - Max. | Secondary Continuity Min. - Max. | | | | | | | | | | | | | |
| 1.7 | .4 - .6 | 30 - 40 | | | | | | | | | | | | | |
| Crankshaft size | | Graham Tester Model 51 | | | | | | | | | | | | | |
| top journal | .8125" - .8120" | <table border="1"> <thead> <tr> <th>Maximum Secondary</th> <th>Maximum Primary</th> <th>Coil Index</th> <th>Minimum Coil Test</th> <th>Gap Index</th> </tr> </thead> <tbody> <tr> <td>4000</td> <td>1.2</td> <td>75</td> <td>33</td> <td>75</td> </tr> </tbody> </table> | | | | Maximum Secondary | Maximum Primary | Coil Index | Minimum Coil Test | Gap Index | 4000 | 1.2 | 75 | 33 | 75 |
| Maximum Secondary | Maximum Primary | Coil Index | Minimum Coil Test | Gap Index | | | | | | | | | | | |
| 4000 | 1.2 | 75 | 33 | 75 | | | | | | | | | | | |
| center journal | .8118" - .8113" | | | | | | | | | | | | | | |
| bottom journal | .8125" - .8120" | | | | | | | | | | | | | | |
| Connecting rod crank pin | .8118" - .8113" | | | | | | | | | | | | | | |
| Cooling system | Centri-matic (combination positive displacement & centrifugal pump) thermostatically controlled | | | | | | | | | | | | | | |
| Carburetion | Float feed, low-speed adjustment and manual choke | | | | | | | | | | | | | | |
| Float level setting | Parallel with face of casting | | | | | | | | | | | | | | |
| Carburetor orifice plug | Hole size - .048". Use a #56 drill as gage. | | | | | | | | | | | | | | |
| Inlet needle seat | .053" - .050". Use a #55 drill as gage. | | | | | | | | | | | | | | |
| Propeller gear ratio | 13:23 | | | | | | | | | | | | | | |
| Propeller drive pin | Part No. 307949 3/16" x 1-25/64" stainless steel | | | | | | | | | | | | | | |
| Propeller | 3 Blade, 8-1/4" dia. x 8-1/2" Pitch | | | | | | | | | | | | | | |

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