

SPECIFICATIONS

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|--|--|--------------------------------------|--|----------------------------------|-------------------|----------------|
| Model Numbers | 6402 - Standard length (15" transom) 6403 - 5" longer (20" transom) | Propeller drive pin | Part Number 307949, 3/16" x 1-25/64" stainless steel | | | |
| *Horsepower (B.I.A. - certified) | 6 hp at 4500 rpm | Propeller | 8" diameter x 7-1/4" pitch, 2 blade (Lexan) | | | |
| Full throttle operating range | 4000 - 5000 rpm | Speed control | Twist-grip, synchronized throttle and spark | | | |
| Tank test with test wheel | 4000 rpm Part Number 380757 | Gear shift control | Forward, neutral, and reverse | | | |
| Engine type | 2 cylinder, 2 cycle, alternate firing | Weight (without fuel tank) | Model 6402 - 51 pounds Model 6403 - 52 pounds (Fuel tank weight 11 pounds net) | | | |
| Bore and stroke | 1-15/16" bore x 1-1/2" stroke | Fuel capacity | 6 gallons | | | |
| Piston displacement | 8.84 cubic inches | Starter | Manual, self-rewinding | | | |
| Piston ring sets (3 per set) | | Ignition | Flywheel magneto | | | |
| standard | Part Number 378432 | Spark plug | AC-M44C, Champion J6J, - 14mm | | | |
| .030 oversize | Part Number 384336 | Spark plug gap | .030 inch | | | |
| Diameter of ring | 1.9375 in. (standard) | Spark plug torque | 17-1/2 - 20-1/2 Foot-pounds | | | |
| Width of ring | .0935 - .0925 in. | Breaker point gap | .020 inch | | | |
| Lbs. compression recommended when compressed | 2 to 4 lbs. | Condenser Capacity | Part Number 580321 .18 - .22 Mfd. | | | |
| Piston less rings standard | Part Number 376994 | Coil | Part No. 580971 | | | |
| .030" oversize | Part Number 384335 | COIL TEST SPECIFICATIONS | | | | |
| Crankshaft size top journal | .8080 - .8075 in. | Old Stevens Tester | | | | |
| center journal | .8080 - .8075 in. | Switch | Index Reading | | | |
| bottom journal | .8080 - .8075 in. | A | 2.0 - 2.5 | | | |
| Connecting rod crank pin | .6690 - .6685 in. | New Stevens Tester Model No. M.A.-75 | | | | |
| Carburetion | Single barrel, float feed, low-speed adjustment | Switch | Index Adjustment | | | |
| Float level setting | Flush with rim of casting | B | 22 | | | |
| Carburetor orifice plug | Hole size .044" Part Number 315140 | Merc-O-Tronic | | | | |
| Inlet needle seat | .053" to .050". Use a #55 drill as gage | Operating Amperage | Primary Resistance Min. - Max. | Secondary Continuity Min. - Max. | | |
| Cooling system | Centri-Matic (combination positive displacement and centrifugal pump) Thermostatically controlled | 1.7 | .45 - .65 | 35 - 45 | | |
| Propeller gear ratio | 15:26 | Graham Tester Model 51 | | | | |
| | | Maximum Secondary | Maximum Primary | Coil Index | Minimum Coil Test | Max. Gap Index |
| | | 5500 | 1.2 | 75 | 33 | 75 |

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