

# SPECIFICATIONS

|  |   |                        |
|--|---|------------------------|
| Models   | 4W79 Weedless gearcase, standard length<br>4R79 standard gearcase, standard length<br>4RL79 standard gearcase, long shaft |                        |
| <b>POWERHEAD</b>   |   |                        |
| *Horsepower (B.I.A. - certified)   | 4 hp (2.8 kW) at 4500 rpm   |                        |
| Full throttle operating range  | 4000 to 5000 rpm  |                        |
| Test tank rpm with test wheel  | 3800 rpm<br>Part No. 316021 for Weedless<br>4550 rpm<br>Part No. 317738 for Standard                                      |                        |
| Idle rpm   | 600 rpm   |                        |
| Engine type  | 2-cylinder, 2 stroke cycle alternate firing   |                        |
| Bore and stroke  | 1-9/16" (39.69 mm) bore x 1-3/8" (34.93 mm) stroke  |                        |
| Piston displacement  | 5.28 cubic inches (87 cm <sup>3</sup> )   |                        |
| Piston ring sets (2 per set)   | standard Part Number 383920<br>0.030" Part Number 384312<br>oversize  |                        |
| Width of ring  | 0.0625-0.0615 in. (1.588 - 1.562 mm)  |                        |
| Piston assembly  | standard Part Number 388726<br>0.030" oversize Part Number 388728<br>0.020" oversize Part Number 388727                   |                        |
| Crankshaft size  |   |                        |
| top journal  | 0.751 - 0.7505 in. (19.075 - 19.063 mm)   |                        |
| center journal   | 0.6690 - 0.6685 in. (16.993 - 16.980 mm)  |                        |
| bottom journal   | 0.7502 - 0.7498 in. (19.055 - 19.045 mm)  |                        |
| Crank pin size   | 0.6700 - 0.6695 (17.018 - 17.005 mm)  |                        |
| <b>FUEL SYSTEM</b>   |   |                        |
| Carburetion  | Single barrel float feed, with fixed high and adjustable low-speed jet, manual choke                                      |                        |
| Float level setting  | Between steps on gage 324891  |                        |
| Inlet needle seat  | 0.063 - 0.060 (1.60 - 1.52 mm)<br>Use a 1/16 drill as gage.   |                        |
| Fuel tank capacity   | 1.35 quarts (1,28 litres)   |                        |
| <b>LOWER UNIT</b>  |   |                        |
| Cooling system   | Combination positive displacement and centrifugal pump.   |                        |
| Propeller gear ratio   | 17:28 Weedless<br>12:25 Standard  |                        |
| Propeller drive pin  | Part Number 316558  |                        |
| Propeller  | Standard - 7-1/2" dia x 6" pitch, 3 blade plastic   |                        |
| Propeller  | Weedless - 6-1/4" dia x 6" pitch, 2 blades plastic  |                        |
| <b>MISCELLANEOUS</b>   |   |                        |
| Speed control  | Single lever, synchronized throttle and spark   |                        |
| Weight   | Weedless - 38.0 lbs. (17.2 kg)<br>Standard - 38.0 lbs. (17.2 kg)  |                        |
| Starter  | Automatic rewind - nylon rope   |                        |
| <b>IGNITION SYSTEM</b>   |   |                        |
| Ignition   | Flywheel magneto, breakerless C.D.  |                        |
| Spark plug   | AC-M40FFX Champion L77J4, - 14 mm   |                        |
| Spark plug gap   | .040 inch (1.0 mm)  |                        |
| Spark plug torque  | 17-1/2 - 20-1/2 foot-pounds (24 - 27 N.m)   |                        |
| Ignition Coil  | Part No. 581998   |                        |
| <b>IGNITION COIL TEST SPECIFICATIONS</b>   |   |                        |
| Stevens Model ST-75  |   |                        |
| Reverse Polarity (Switch Setting CD)   | 1.2   |                        |
| Stevens Tester Model M.A.-75 or M.A.-80  |   |                        |
| <u>Switch</u><br>**A   | <u>Index Adjustment</u><br>20   |                        |
| Merc-O-Tronic with Capacitor Discharge Adapter Model 55-980  |   |                        |
| Operating Amperage   | Primary Resistance  | **Secondary Continuity |
| 1.4  | 0.1 Ohm OR LESS   | 275 ± 10               |
| **Use Model CD-1 Adapter Red test clip to orange/black Black test clip to orange   |   |                        |
| Graham Tester Model 51<br>Maximum Secondary . . . . . 1,000 ohms<br>Maximum Primary . . . . . 0.5 ohm<br>Coil Index . . . . . 50<br>Coil Test Minimum AMPLIFIED . . . . . 17 (With secondary circuit "open," Hi tension lead disconnected) |   |                        |
| Gap Index . . . . . 50 (Coil must fire spark gap on tester at this setting.)   |   |                        |
| <b>IGNITION COIL OHMMETER TEST</b>   |   |                        |
| Primary (Low Ohms)   |   | Secondary (High Ohms)  |
| 0.1 ± 0.05   |   | 275 ± 50               |