

SPECIFICATIONS

<p>Model 4706, (Weedless gearcase) 4736, (Standard gearcase)</p> <p>*Horsepower 4 hp at 4500 rpm (B.I.A. - certified)</p> <p>Full throttle operating range 4000 to 5000 rpm</p> <p>Test tank rpm with test wheel 4100 rpm Part No. 316021 for Weedless 4550 rpm Part No. 317738 for Standard</p> <p>Engine type 2-cylinder, 2 cycle alternate firing</p> <p>Bore and stroke 1-9/16" (39.69 mm) bore x 1-3/8" (34.93 mm) stroke</p> <p>Piston displacement 5.28 (86 cm³) cubic inches</p> <p>Piston ring sets (2 per set) standard Part Number 383920 .030" Part Number 384312 oversize</p> <p>Diameter of ring 1.563 in. (39.70 mm) standard</p> <p>Width of ring .0625-.0615 in. (1.588 - 1.562 mm)</p> <p>Piston assembly standard Part Number 384651 .030" oversize Part Number 384666</p> <p>Crankshaft size top journal 0.7520 - .7515 in. (19.101-19.088mm) center journal 0.6854 - .6849 in. (17.409-17.396mm) bottom journal 0.6854 - .6849 in. (17.41-17.396mm)</p> <p>Connecting rod crank pin 0.6255 - .6250 in. (15.888 - 15.875mm)</p> <p>Carburetion Single barrel float feed, with high and low-speed adjust- ments manual choke</p> <p>Float level setting Flush with casting</p> <p>Inlet needle seat .053 - .050 (1.35 - 1.27mm) Use a #55 drill as gage.</p> <p>Cooling system Combination positive displacement and centrifugal pump.</p> <p>Propeller gear ratio 17:28 Weedless 12:25 Standard</p> <p>Propeller drive pin Part Number 316558 1/8" x 1.234" stainless steel</p> <p>Propeller Standard - 7-1/2" dia x 6" pitch, 3 blade plastic</p>	<p>Propeller Weedless - 6-1/4" dia x 6" pitch, 2 blades plastic</p> <p>Speed control Single lever, synchronized throttle and spark</p> <p>Weight Weedless - 36.0 lbs. (16.3kg) Standard - 38.0 lbs. (17.2kg)</p> <p>Fuel tank capacity 3 (11.4 liters) gallons</p> <p>Starter Automatic rewind - nylon rope</p> <p>Ignition Flywheel magneto, breaker- less C.D.</p> <p>Spark plug AC-M40FFX Champion L77J4, - 14 mm</p> <p>Spark plug gap .040 inch (1.0mm)</p> <p>Spark plug torque 17-1/2 - 20-1/2 foot-pounds (24 - 27 N·m)</p> <p>Ignition Coil #1 Cylinder - Part No. 581686 #2 Cylinder - Part No. 581685</p>
---	--

IGNITION COIL TEST SPECIFICATIONS

Stevens Model ST-75		
Reverse Polarity (Switch Setting CD)	1.9	
Stevens Tester Model M.A.-75 or M.A.-80		
<u>Switch</u> **A	<u>Index Adjustment</u> 20	
Merc-O-Tronic with Capacitor Discharge Adapter Model 55-980		
Operating Amperage	Primary Resistance	**Secondary Continuity
Min. - Max.	Min. - Max.	Min. - Max.
1.9	.1 Ohm	8 - 20
**Use Model CD-1 Adapter Red test clip to orange/black Black test clip to orange		
Graham Tester Model 51		
Maximum Secondary ,		3,000 ohms
Maximum Primary		0.6 ohm
Coil Index		50
Coil Test Minimum AMPLIFIED		27 (With secondary circuit "open.") Hi tension lead disconnected
Gap Index		50 (Coil must fire spark gap on tester at this setting.)

IGNITION COIL OHMMETER TEST

Primary (Low Ohms)	Secondary (High Ohms)
0.1 ± 0.05	1300 ± 200

*Horsepower established at sea level. Allow 2% reduction per 1000' (300 meters) above sea level.