

SPECIFICATIONS

Model Numbers	6702 - Standard 15" (381 mm) transom 6703 - Long 20" (508 mm) transom	Speed control	Twist-grip, synchronized throttle and spark																																																				
*Horsepower (B.I.A. - certified)	6 hp at 4500 rpm	Gear shift control	Forward, neutral, and reverse																																																				
Full throttle operating range	4000 - 5000 rpm	Weight (without fuel tank)	Standard - 54 pounds (24.5 kg) Long - 55 pounds (25 kg) (Fuel tank weight 11 pounds (5 kg) net)																																																				
Tank test with test wheel	4500 rpm Part Number 379673	Fuel capacity	6 gallons (22.7 liters)																																																				
Engine type	2 cylinder, 2 cycle, alternate firing	Starter	Manual, self-rewinding																																																				
Bore and stroke	1-15/16" bore x 1-1/2" stroke (49.21 x 38.10 mm)	Ignition	Flywheel magneto breakerless CD																																																				
Piston displacement	8.84 cubic inches (145 cm ³)	Spark plug	AC-M40FFX, Champion L77J4, - 14 mm																																																				
Piston ring sets (2 per set)		Spark plug gap	.040 inch (1.0 mm)																																																				
standard	Part Number 378432	Spark plug torque	17-1/2 - 20-1/2 Foot-pounds (24 - 27 N.m)																																																				
.030 oversize	Part Number 384336	Charge coil resistance	575 ± 75 ohms																																																				
Diameter of ring	1.9375 in. (standard) (49.21 mm)	Ignition coil	Part No. 581686																																																				
Width of ring	.0935 - .0925 in. (2.37 - 2.34 mm)	<h2>COIL TEST SPECIFICATIONS</h2> <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td colspan="3" style="text-align: center;">Stevens Model ST-75</td> </tr> <tr> <td>Reverse Polarity (Switch Setting CD)</td> <td colspan="2" style="text-align: right;">1.9</td> </tr> <tr> <td colspan="3" style="text-align: center;">Stevens Tester Model M.A.-75 or M.A.-80</td> </tr> <tr> <td style="text-align: center;"><u>Switch</u></td> <td colspan="2" style="text-align: center;"><u>Index Adjustment</u></td> </tr> <tr> <td style="text-align: center;">**A</td> <td colspan="2" style="text-align: center;">20</td> </tr> <tr> <td colspan="3" style="text-align: center;">Merc-O-Tronic with Capacitor Discharge Adapter Model 55-980</td> </tr> <tr> <td style="text-align: center;">Operating Amperage</td> <td style="text-align: center;">Primary Resistance</td> <td style="text-align: center;">*Secondary Continuity</td> </tr> <tr> <td style="text-align: center;">Min. - Max.</td> <td style="text-align: center;">Min. - Max.</td> <td style="text-align: center;">Min. - Max.</td> </tr> <tr> <td style="text-align: center;">1.9</td> <td style="text-align: center;">.1 Ohm</td> <td style="text-align: center;">8 - 20</td> </tr> <tr> <td colspan="3">**Use Model CD-1 Adapter Red test clip to orange/black Black test clip to orange</td> </tr> <tr> <td colspan="3">Graham Tester Model 51</td> </tr> <tr> <td>Maximum Secondary</td> <td colspan="2" style="text-align: right;">3,000 ohms</td> </tr> <tr> <td>Maximum Primary</td> <td colspan="2" style="text-align: right;">0.6 ohm</td> </tr> <tr> <td>Coil Index</td> <td colspan="2" style="text-align: right;">50</td> </tr> <tr> <td>Coil Test Minimum AMPLIFIED</td> <td colspan="2" style="text-align: right;">27 (With secondary circuit "open.")</td> </tr> <tr> <td colspan="3" style="text-align: center;">Hi tension lead disconnected</td> </tr> <tr> <td>Gap Index</td> <td colspan="2" style="text-align: right;">50 (Coil must fire spark gap on tester at this setting.)</td> </tr> </tbody> </table>			Stevens Model ST-75			Reverse Polarity (Switch Setting CD)	1.9		Stevens Tester Model M.A.-75 or M.A.-80			<u>Switch</u>	<u>Index Adjustment</u>		**A	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.)	
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standard	Part Number 386692																																																						
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Crankshaft size																																																							
top journal	.8080 - .8075 in. (20.523 - 20.510 mm)																																																						
center journal																																																							
bottom journal																																																							
Connecting rod crank pin	.6690 - .6685 in. (17.526 - 16.979 mm)																																																						
Carburetion	Single barrel, float feed, low-speed adjustment. Fixed high speed jet																																																						
Float level setting	Flush with rim of casting																																																						
Carburetor orifice plug	Hole size .052" (1.32 mm) Part Number 322249																																																						
Inlet needle seat	.053" to .050" (1.35 - 1.27 mm). Use a #55 drill as gage																																																						
Cooling system	Combination positive displacement and centrifugal pump Thermostatically controlled																																																						
Propeller gear ratio	12:25																																																						
Propeller drive pin	Part Number 307949, 3/16" x 1-25/64" (4.76 x 35.32 mm) stainless steel																																																						
Propeller	8" diameter x 7" pitch, 3 blade																																																						

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