

# SPECIFICATIONS

<b>Model Numbers</b>	40102 - Standard length (15" transom) 40103 - 5" longer (20" transom) 40152 - Standard length (15" transom) 40153 - 5" longer (20" transom)	<b>Propeller options</b>	3 blade, 10-3/8" dia. x 11-1/2" pitch 3 blade, 10-1/2" dia. x 12" pitch 3 blade, 10-3/8" dia. x 14" pitch 3 blade, 11" dia. x 9" pitch										
<b>Horsepower (B.I.A. certified)</b>	40 hp at 4500 rpm	<b>Speed control</b>	Knob on steering bracket or remote control. Synchronized throttle and spark										
<b>Full throttle operating range</b>	4000 to 5000 rpm	<b>Gear shift control</b>	Forward, neutral, and reverse										
<b>Tank test with test wheel</b>	4300 rpm Part Number 378566	<b>Weight (without fuel tank)</b>	Model 40102 - 128.5 lbs. Model 40103 - 132 lbs. Model 40152 - 140 lbs. Model 40153 - 144 lbs. (Fuel tank weight 11 pounds net)										
<b>Engine type</b>	2 cyl., 2 cycle, alternate firing	<b>Fuel capacity</b>	6 gallons										
<b>Bore and stroke</b>	3-3/16" bore x 2-3/4" stroke	<b>Starter</b>	Ski-Twin - Simplex self-winding Ski-Twin Electric - Electric										
<b>Piston displacement</b>	43.9 cubic inches	<b>Starter amperage draw while cranking</b>	120 AMPS Max.										
<b>Piston ring sets (2 per set)</b>	standard Part Number 384699 .030" oversize Part Number 384718	<b>Ignition</b>	Flywheel magneto										
<b>Diameter of ring</b>	3.1875 in. (standard)	<b>Spark plug</b>	AC-M42K, Champion J4J, 14mm										
<b>Width of ring</b>	Upper - .0900 - .0895 in. Lower - .0615 - .0625 in.	<b>Spark plug gap</b>	.030 inch										
<b>Lbs. compression recommended when compressed</b>	Upper - .5 to 2.5 lbs. Lower - 4 to 8 lbs.	<b>Spark plug torque</b>	17-1/2 - 20-1/2 foot-pounds										
<b>Piston less rings standard .030" oversize</b>	standard Part Number 384692 .030" oversize Part Number 384715	<b>Breaker point</b>	Gap .020 inch										
<b>Crankshaft size</b>	Top journal 1.2500 - 1.2495 Center journal 1.000 - .9995 Bottom journal 1.000 - .9995	<b>Condenser Capacity</b>	Part Number 580422 .25 - 29 Mfd.										
<b>Connecting rod crank pin</b>	1.1828 - 1.1823 in.	<b>Part No. 580416 Coil Test Specifications</b>											
<b>Carburetion</b>	Single barrel, float feed, high- and low-speed adjustments, manual choke or electric choke	<b>Old Stevens Tester</b>											
<b>Float level setting</b>	Flush with rim of casting	<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						
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<b>Inlet needle seat</b>	.065 - .062 Use #52 drill as gage	<b>New Stevens Tester Model No. M.A. -75</b>											
<b>Cooling system</b>	Centri-matic (combination positive displacement and centrifugal pump)	<table border="1"> <thead> <tr> <th>Switch</th> <th>Index Adjustment</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>22</td> </tr> </tbody> </table>		Switch	Index Adjustment	A	22						
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<b>Propeller gear ratio</b>	12:21	<b>Merc-O-Tronic</b>											
<b>Propeller drive pin</b>	Part Number 304575, 1/4" x 1-15/32" stainless steel	<table border="1"> <thead> <tr> <th>Operating Amperage</th> <th>Primary Resistance Min. Max.</th> <th>Secondary Continuity Min. Ma x.</th> </tr> </thead> <tbody> <tr> <td>1.4</td> <td>.45 - .55</td> <td>35 - 45</td> </tr> </tbody> </table>		Operating Amperage	Primary Resistance Min. Max.	Secondary Continuity Min. Ma x.	1.4	.45 - .55	35 - 45				
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1.4	.45 - .55	35 - 45											
<b>Propeller supplied with motor</b>	3 blade, 10-1/2" dia. x 13" pitch	<b>Graham Tester Model 51</b>											
		<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>5500</td> <td>1.2</td> <td>75</td> <td>33</td> <td>70</td> </tr> </tbody> </table>		Maximum Secondary	Maximum Primary	Coil Index	Minimum Coil Test	Gap Index	5500	1.2	75	33	70
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\*Horsepower established at sea level. Allow 2% reduction per 1000' above sea level.