

SPECIFICATIONS

Model Numbers	6302 - Standard length (15" transom) 6303 - 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	4600 rpm Part Number 380757	Gear shift control	Forward, neutral, and reverse										
Engine type	2 cylinder, 2 cycle, alternate firing	Weight (without fuel tank)	Model 6302 - 51 pounds Model 6303 - 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	Part No. 580416 Coil Test Specifications - Old Stevens Tester											
.030" oversize	Part Number 384335	<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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Crankshaft size top journal	.8080 - .8075 in.	New Stevens Tester Model No. M.A.-75											
center journal	.8080 - .8075 in.	<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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bottom journal	.8080 - .8075 in.	Merc-O-Tronic											
Connecting rod crank pin	.6690 - .6685 in.	<table border="1"> <thead> <tr> <th>Operating Amperage</th> <th>Primary Resistance Min. - Max.</th> <th>Secondary Continuity Min. - Max.</th> </tr> </thead> <tbody> <tr> <td>1.7</td> <td>.45 - .55</td> <td>35 - 45</td> </tr> </tbody> </table>		Operating Amperage	Primary Resistance Min. - Max.	Secondary Continuity Min. - Max.	1.7	.45 - .55	35 - 45				
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1.7	.45 - .55	35 - 45											
Carburetion	Single barrel, float feed, low-speed adjustment	Graham Tester Model 51											
Float level setting	Flush with rim of casting	<table border="1"> <thead> <tr> <th>Maximum Secondary</th> <th>Maximum Primary</th> <th>Coil Index</th> <th>Minimum Coil Test</th> <th>Max. Gap Index</th> </tr> </thead> <tbody> <tr> <td>5500</td> <td>1.2</td> <td>75</td> <td>33</td> <td>75</td> </tr> </tbody> </table>		Maximum Secondary	Maximum Primary	Coil Index	Minimum Coil Test	Max. Gap Index	5500	1.2	75	33	75
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5500	1.2	75	33	75									
Carburetor orifice plug	Hole size .044"												
Inlet needle seat	.053" to .050". Use a #55 drill as gage												
Cooling system	Centri-Matic (combination positive displacement and centrifugal pump) Thermostatically controlled												
Propeller gear ratio	15:26												

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