

# SPECIFICATIONS

Model Numbers	9222 - Standard length (15" transom) 9223 - 5" longer (20" transom)	Speed control	On steering handle, synchronized throttle and spark											
*Horsepower (B.I.A. - certified)	9-1/2 hp at 4500 rpm	Gear shift control	Forward, neutral, & reverse											
Full throttle operating range	4000 to 5000 rpm	Weight	Model 9222 - 60 lbs Model 9223 - 61 lbs (without fuel tank) (fuel tank weight 11 pounds net)											
Tank test with test wheel	4400 rpm Part Number 379673	Fuel capacity	6 gallons											
Engine type	2 cylinder, 2 cycle alternate firing	Starter	Manual - self rewind											
Bore and stroke	2-5/16" bore x 1-13/16" stroke	Ignition	Flywheel magneto											
Piston displacement	15.2 cubic inches	Spark plug	AC-M42K, Champion J4J - 14mm											
Piston ring sets (3 per set) standard	Part No. 379360	Spark plug gap	.030 inch											
.030" oversize	Part No. 384073	Spark plug torque	17-1/2 - 20-1/2 foot-pounds											
Diameter of ring	2.3125" (standard)	Breaker point gap	.020 inch											
Width of ring	.0935" - .0925"	Condenser Capacity	Part Number 580321 .18 - .22 mfd.											
Lbs. compression recommended when compressed	3 to 5 lbs.	Part No. 580416 Coil Test Specifications	Old Stevens Tester											
Piston less rings standard	Part No. 379134		<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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.030" oversize	Part No. 384072		<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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Crankshaft size top journal	.8125" - .8120"		<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>1.4</td> <td>.45 - .55</td> <td>35 - 45</td> </tr> </tbody> </table>		Operating Amperage	Primary Resistance Min. - Max.	Secondary Continuity Min. - Max.	1.4	.45 - .55	35 - 45				
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center journal	.8132" - .8127"		<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
Maximum Secondary	Maximum Primary	Coil Index	Minimum Coil Test	Gap Index										
5500	1.2	75	33	70										
bottom journal	.8125" - .8120"													
Connecting rod crank pin	.8132" - .8127"													
Cooling system	Centri-matic (combination positive displacement & centrifugal pump) thermostatically controlled													
Carburetion	Float feed, low-speed adjustment and manual choke													
Float level setting	Parallel with face of casting													
Carburetor orifice plug	Hole size - .048". Use a #56 drill as gage.													
Inlet needle seat	.053" - .050". Use a #55 drill as gage.													
Propeller gear ratio	13:23													
Propeller drive pin	Part No. 307949 3/16" x 1-25/64" stainless steel													
Propeller	3 Blade, 8-1/8" dia. x 8" Pitch													

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