

SPECIFICATIONS

Model	4WF69 (folding, weedless gearcase) 4W69 (rigid, weedless gearcase) 4R69 (rigid, standard gearcase)	Propeller gear ratio	17:28 4W69 and 4WF69 Models 12:25 4R69 Models											
*Horsepower (O.B.C.-certified)	4 hp at 4500 rpm	Propeller drive	Part Number 203230 1/8" x 13/16" stainless steel											
Full throttle op.-range	4000 to 5000 rpm	Propeller	4R69 Models - Standard - 8" diameter x 5-1/2" pitch, 3 blade Optional - 8" x 4-1/2", 3 blade 4W69 and 4WF69 Models - 6-1/4" diameter x 5-1/2" pitch, 3 blades											
Test tank rpm with test wheel	4200 rpm	Speed control	Single lever, synchronized throttle and spark											
Engine type	2 cylinder, 2 cycle alternate firing	Weight	4WF69 Model - 35 lbs. 4W69 Model - 33 lbs. 4R69 Model - 35 lbs.											
Bore and stroke	1-9/16" bore x 1-3/8" stroke	Hi Lift vacuum fuel system	3 gal. tank and plug in hose											
Piston displacement	5.28 cubic inches	Fuel capacity	3 gallons											
Piston ring sets (2 per set) standard	Part Number 383920	Starter	Swing-Arm, self-rewinding											
.020" oversize	Part Number 383921	Ignition	Flywheel magneto											
Diameter of ring	1.563 in. (standard)	Spark plug	AC-M42K, Champion J4J, Auto-Lite A21X - 14mm											
Width of ring	.0625 - .0615 in.	Spark plug gap	.030 inch											
Lbs. compression recommended when compressed	2 to 3 lbs.	Spark plug torque	17-1/2 - 20-1/2 foot-pounds											
Piston less rings standard	Part Number 383236	Breaker point gap	.020 inch											
.020" oversize	Part Number 383240	Condenser Capacity	Part Number 580321 .18 to .22 Mfd.											
Crankshaft size top journal	.7520 - .7515 in.	COIL SPECIFICATIONS												
center journal	.6854 - .6849 in.	Part No. 580416 Coil Test Specifications:												
bottom journal	.6854 - .6849 in.	Old Stevens Tester												
Connecting rod crank pin	.6255 - .6250 in.	<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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Carburetion	Single barrel float feed, with high and low-speed adjustments manual choke	New Stevens Tester Model No. M.A.-75												
Float level setting	Parallel with casting	<table border="1"> <thead> <tr> <th>Switch</th> <th>Index Adjustment</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>24</td> </tr> </tbody> </table>		Switch	Index Adjustment	A	24							
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Inlet needle seat	.065 - .062 Use a #52 drill as gage.	Merc-O-Tronic												
Cooling system	Vari-volume (combination positive displacement and centrifugal pump).	<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>1.6</td> <td>.45 - .55</td> <td>30 - 45</td> </tr> </tbody> </table>		Operating Amperage	Primary Resistance Min. Max.	Secondary Continuity Min. Max.	1.6	.45 - .55	30 - 45					
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		Graham Tester Model 51												
		<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>4000</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	Gap Index	4000	1.2	75	33	75
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*Horsepower established at sea level. Allow 2% reduction per 1000' above sea level.