

SPECIFICATIONS

Model	4W70 (weedless gearcase) 4R70 (standard gearcase)	Propeller gear ratio	17:28 4W70 Model 12:25 4R70 Model										
*Horsepower (B.I.A. - 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	4R70 Models - Standard - 8" diameter x 5-1/2" pitch, 3 blade Optional - 8" x 4-1/2", 3 blade 4W70 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	4W70 Model - 33 lbs. 4R70 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)		Starter	Swing-Arm, self-rewinding										
standard	Part Number 383920	Ignition	Flywheel magneto										
.020" oversize	Part Number 383921	Spark plug	AC-M42K, Champion J4J, - 14mm										
Diameter of ring	1.563 in. (standard)	Spark plug gap	.030 inch										
Width of ring	.0625 - .0615 in.	Spark plug torque	17-1/2 - 20-1/2 foot-pounds										
Lbs. compression recommended when compressed	2 to 3 lbs.	Breaker point gap	.020 inch										
Piston less rings		Condenser Capacity	Part Number 580321 .18 to .22 Mfd.										
standard	Part Number 383236	COIL SPECIFICATIONS											
.020" oversize	Part Number 383240	Part No. 580416 Coil Test Specifications:											
Crankshaft size		Old Stevens Tester											
top journal	.7520 - .7515 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						
Switch	Index Reading												
A	2.0 - 2.5												
center journal	.6854 - .6849 in.	New Stevens Tester Model No. M.A.-75											
bottom journal	.6854 - .6849 in.	<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						
Switch	Index Adjustment												
A	24												
Connecting rod crank pin	.6255 - .6250 in.	Merc-O-Tronic											
Carburetion	Single barrel float feed, with high and low-speed adjustments manual choke	<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>30 - 45</td> </tr> </tbody> </table>		Operating Amperage	Primary Resistance Min. Max.	Secondary Continuity Min. Max.	1.4	.45 - .55	30 - 45				
Operating Amperage	Primary Resistance Min. Max.	Secondary Continuity Min. Max.											
1.4	.45 - .55	30 - 45											
Float level setting	Parallel with casting	Graham Tester Model 51											
Inlet needle seat	.053 - .050 Use a #55 drill as gage.	<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>4200</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	4200	1.2	75	33	70
Maximum Secondary	Maximum Primary	Coil Index	Minimum Coil Test	Gap Index									
4200	1.2	75	33	70									
Cooling system	Vari-volume (combination positive displacement and centrifugal pump).												

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