

SPECIFICATIONS

Model Numbers	6R70 - Standard length (15" transom) 6RL70 - 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										
Full throttle operating range	3500 - 4500 rpm	Speed control	Twist-grip, synchronized throttle and spark										
Tank test with test wheel	4000 rpm	Gear shift control	Forward, neutral, and reverse										
Engine type	2 cylinder, 2 cycle, alternate firing	Weight (without fuel tank)	Model 6R70 - 51 pounds Model 6RL70 - 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-M42K, Champion J4J, - 14mm										
.020" oversize	Part Number 378417	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		Part No. 580416 Coil Test Specifications -											
standard	Part Number 376994	Old Stevens Tester											
.020" oversize	Part Number 376427	<table border="1"> <thead> <tr> <th>Switch</th> <th>Index Reading</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>2 - 2.5</td> </tr> </tbody> </table>		Switch	Index Reading	A	2 - 2.5						
Switch	Index Reading												
A	2 - 2.5												
Crankshaft size		New Stevens Tester Model No. M.A.-75											
top journal	.8080 - .8075 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												
center journal	.8080 - .8075 in.	Merc-O-Tronic											
bottom journal	.8080 - .8075 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>1.4</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											
Connecting rod crank pin	.6690 - .6685 in.	Graham Tester Model 51											
Carburetion	Single barrel, float feed, low-speed adjustment	<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									
Float level setting	Flush with rim of casting												
Carburetor orifice plug	Hole size .048"												
Inlet needle seat	.053" to .050". Use a #55 drill as gage												
Cooling system	Vari-Volume (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.