

Model Numbers	40902 (Big Twin, standard length) 40903 (Big Twin, 5" longer) 40952 (Big Twin Electric, standard length) 40953 (Big Twin Electric, 5" longer) 40972 (Lark; standard length) 40973 (Lark; 5" longer)	Propeller gear ratio	12.21																																
*Horsepower (O.B.C.-certified)	40 hp at 4500 rpm	Propeller drive pin	Part No. 304575, 1/4" x 1-15/32" stainless steel																																
Full throttle operating range	4000 to 5000 rpm	Propeller	10-1/2" diameter x 12" pitch, 3-blade																																
Tank test with test wheel	4300 rpm	Alternate propellers	10-3/8" x 11-1/2" pitch 10-3/8" x 13-1/4" pitch 10-3/8" x 14" pitch																																
Engine type	2 cylinder, 2 cycle, alternate firing	Speed control	Big Twin - Rope Only Knob on steering bracket or remote control Big Twin Electric and Lark - Remote control Synchronized throttle and spark																																
Bore and stroke	3-3/16" bore x 2-3/4" stroke	Gear shift control	Forward, neutral, reverse - Lark - Selectric push-button remote control																																
Piston displacement	43.9 cubic inches	Weight (without fuel tank)	Model 40902 - 132 lbs. Model 40903 - 138 lbs. Model 40952 - 143 lbs. Model 40953 - 149 lbs. Model 40972 - 154 lbs. Model 40973 - 159 lbs. (Fuel tank weight 11 lbs. net)																																
Piston ring sets (3 per set) standard .025" oversize	Part Number 380108 Part Number 380109	Fuel capacity	6 gallons, suction type tank																																
Diameter of ring	3.1875 in. (standard)	Starter	Big Twin - Simplex self-rewinding Big Twin Electric and Lark - Electric																																
Width of ring	.0935 - .0925 in.	Starter amp draw when cranking	120 amperes maximum																																
Lbs. Compression recommended when compressed	7 to 10.4 lbs.	Ignition	Flywheel magneto																																
Piston less rings standard .025" oversize	Part Number 383068 Part Number 383069	Spark plug	AC-M42K, Champion J4J, Auto-Lite A21X - 14mm																																
Crankshaft size top journal center journal bottom journal	1.2500 - 1.2495 in. 1.000 - .9995 in. 1.000 - 9.995 in.	Spark plug gap	.030 inch																																
Connecting rod crank pin	1.1828 - 1.1823 in.	Spark plug torque	17-1/2 - 20-1/2 foot-pounds																																
Carburetion	Float feed with low-speed adjustment. Spring-loaded choke (Big Twin) or automatic choke and manual lever (Big Twin Electric and Lark)	Breaker point gap	.020 inch																																
Float level setting	Remove float bowl, turn it upside down so weight of float closes needle; float should now be even with rim of casting.	Condenser Capacity	Part No. 580422 .25 - .29 mfd.																																
Carburetor orifice plug	Hole size .064"	Part No. 580416 Coil Test Specifications Old Stevens Tester <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Switch</th> <th style="width: 50%;">Index Reading</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">A</td> <td style="text-align: center;">2.0 - 2.5</td> </tr> </tbody> </table> New Stevens Tester Model No. M.A. - 75 <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Switch</th> <th style="width: 50%;">Index Adjustment</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">A</td> <td style="text-align: center;">24</td> </tr> </tbody> </table> Merc-O-Tronic <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2" style="width: 25%;">Operating Amperage</th> <th colspan="2" style="width: 50%;">Primary Resistance</th> <th colspan="2" style="width: 25%;">Secondary Continuity</th> </tr> <tr> <th style="width: 12.5%;">Min.</th> <th style="width: 12.5%;">Max.</th> <th style="width: 12.5%;">Min.</th> <th style="width: 12.5%;">Max.</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1.6</td> <td style="text-align: center;">.45</td> <td style="text-align: center;">.55</td> <td style="text-align: center;">30</td> <td style="text-align: center;">45</td> </tr> </tbody> </table> Graham Tester Model 51 <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 12.5%;">Maximum Secondary</th> <th style="width: 12.5%;">Maximum Primary</th> <th style="width: 12.5%;">Coil Index</th> <th style="width: 12.5%;">Minimum Coil Test</th> <th style="width: 12.5%;">Gap Index</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">4000</td> <td style="text-align: center;">1.2</td> <td style="text-align: center;">75</td> <td style="text-align: center;">33</td> <td style="text-align: center;">75</td> </tr> </tbody> </table>		Switch	Index Reading	A	2.0 - 2.5	Switch	Index Adjustment	A	24	Operating Amperage	Primary Resistance		Secondary Continuity		Min.	Max.	Min.	Max.	1.6	.45	.55	30	45	Maximum Secondary	Maximum Primary	Coil Index	Minimum Coil Test	Gap Index	4000	1.2	75	33	75
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Inlet needle seat	.065 - .062 Use a #52 drill as gage.																																		
Cooling system	Thermostatically controlled recirculating system																																		

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