

SPECIFICATIONS

Model Numbers	RD-30 (standard length) RDL-30 (5" longer) RDS-30 (standard length) RDSL-30 (5" longer) RK-30 (standard length) RKL-30 (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 14" pitch																																
Engine type	2 cylinder, 2 cycle, alternate firing	Speed control	RD, RDL- Rope Only Knob on steering bracket or remote control RDS, RDSL, RK, RKL- Remote control Synchronized throttle and spark																																
Bore and stroke	3-3/16" bore x 2-3/4" stroke	Gear shift control	Forward, neutral, reverse - RK, RKL- Electramatic remote control																																
Piston displacement	43.9 cubic inches	Weight (without fuel tank)	Model RD-30 - 132 lbs. Model RDL-30 - 138 lbs. Model RDS-30 - 143 lbs. Model RDSL-30 - 149 lbs. Model RK-30 - 154 lbs. Model RKL-30 - 159 lbs. (Fuel tank weight 11 lbs. net)																																
Piston ring sets (3 per set) standard	Part Number 380108	Fuel capacity	6 gallons, suction type tank																																
.025" oversize	Part Number 380109	Starter	RD, RDL- Ready Pull self-rewinding RDS, RDSL, RK, RKL- Electric																																
Diameter of ring	3.1875 in. (standard)	Starter amp draw when cranking	120 amperes maximum																																
Width of ring	.0935 - .0925 in.	Ignition	Flywheel magneto																																
Lbs. Compression recommended when compressed	7 to 10.4 lbs.	Spark plug	AC-M42K, Champion J4J, Auto-Lite A21X - 14mm																																
Piston less rings standard	Part Number 380567	Spark plug gap	.030 inch																																
.025" oversize	Part Number 381005	Spark plug torque	17-1/2 - 20-1/2 foot-pounds																																
Crankshaft size top journal	1.2500 - 1.2495 in.	Breaker point gap	.020 inch																																
center journal	1.000 - .9995 in.	Condenser	Part No. 580422																																
bottom journal	1.000 - 9.995 in.	Capacity	.25 - .29 mfd.																																
Connecting rod crank pin	1.1828 - 1.1823 in.	<p>Part No. 580416 Coil Test Specifications Old Stevens Tester</p> <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> <p>New Stevens Tester Model No. M.A. - 75</p> <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> <p>Merc-O-Tronic</p> <table border="1"> <thead> <tr> <th rowspan="2">Operating Amperage</th> <th colspan="2">Primary Resistance</th> <th colspan="2">Secondary Continuity</th> </tr> <tr> <th>Min.</th> <th>Max.</th> <th>Min.</th> <th>Max.</th> </tr> </thead> <tbody> <tr> <td>1.6</td> <td>.45</td> <td>.55</td> <td>30</td> <td>45</td> </tr> </tbody> </table> <p>Graham Tester Model 51</p> <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>		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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Carburetion	Float feed with low-speed adjustment. Spring-loaded choke (RD, RDL) or automatic choke and manual lever (RDS, RDSL, RK, RKL)																																		
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.																																		
Carburetor orifice plug	Hole size .064"																																		
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.