

SPECIFICATIONS

Model Numbers	40302 - Standard length (15" transom) 40303 - 5" longer (20" transom) 40352 - Standard length (15" transom) 40353 - 5" longer (20" transom)	Propeller options	3 blade, 10-3/8" dia. x 11-1/2" pitch 3 blade, 10-1/2" dia. x 12" pitch 3 blade, 10-3/8" dia. x 14" pitch 3 blade, 11" dia. x 9" pitch										
Horsepower (B.I.A. certified)	40 hp at 4500 rpm	Speed control	On steering handle - Manual start. Knob on steering bracket or remote control - Electric Start. Synchronized throttle and spark										
Full throttle operating range	4000 to 5000 rpm	Gear shift control	Forward, neutral, and reverse										
Tank test with test wheel	4500 rpm Part Number 378566	Weight (without fuel tank)	Model 40302 - 128 lbs. Model 40303 - 131 lbs. Model 40352 - 137 lbs. Model 40353 - 140 lbs. (Fuel tank weight 11 pounds net)										
Engine type	2 cyl., 2 cycle, alternate firing	Fuel capacity	6 gallons										
Bore and stroke	3-3/16" bore x 2-3/4" stroke	Starter	Manual - Self-winding Electric - 12 volt, Key start and manual self rewinding										
Piston displacement	43.9 cubic inches	Starter amperage draw while cranking	120 AMPS Max.										
Piston ring sets (2 per set) standard	Part Number 384699	Ignition	Flywheel magneto										
.030" oversize	Part Number 384718	Spark plug	AC-M42K, Champion J4J, 14mm										
Diameter of ring	3.1875 in. (standard)	Spark plug gap	.030 inch										
Width of ring	Upper - .0900 - .0895 in. Lower - .0615 - .0625 in.	Spark plug torque	17-1/2 - 20-1/2 foot-pounds										
Lbs. compression recommended when compressed	Upper - .5 to 2.5 lbs. Lower - 4 to 8 lbs.	Breaker point	Gap .020 inch										
Piston less rings standard	Part Number 384692	Condenser Capacity	Part Number 580422 .25 - 29 Mfd.										
.030" oversize	Part Number 384715	Part No. 580416 Coil Test Specifications											
Crankshaft size		Old Stevens Tester											
Top journal	1.2500 - 1.2495	<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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Center journal	1.000 - .9995	New Stevens Tester Model No. M.A.-75											
Bottom journal	1.000 - .9995	<table border="1"> <thead> <tr> <th>Switch</th> <th>Index Adjustment</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>22</td> </tr> </tbody> </table>		Switch	Index Adjustment	A	22						
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Connecting rod crank pin	1.1828 - 1.1823 in.	Merc-O-Tronic											
Carburetion	Single barrel, float feed, fixed high speed adjustable low-speed, manual or electric 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>35 - 45</td> </tr> </tbody> </table>		Operating Amperage	Primary Resistance Min. Max.	Secondary Continuity Min. Max.	1.4	.45 - .55	35 - 45				
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1.4	.45 - .55	35 - 45											
High speed orifice plug	Part Number 317183 Identification Number 67C Check small hole end with 23/64" drill	Graham Tester Model 51											
Float level setting	Flush with rim of casting	<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>5500</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	5500	1.2	75	33	70
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5500	1.2	75	33	70									
Inlet needle seat	.065 - .062 Use #52 drill as gage												
Cooling system	Centri-matic (combination positive displacement and centrifugal pump)												
Propeller gear ratio	12:21												
Propeller drive pin	Part Number 304575, 1/4" x 1-15/32" stainless steel												
Propeller supplied with motor	3 blade, 10-1/2" dia. x 13" pitch												

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