

SPECIFICATIONS

Model Numbers 40502 - Standard length (15" transom) 40503 - 5" longer (20" transom) 40552 - Standard length (15" transom) 40553 - 5" longer (20" transom)	Propeller options	3 blade, 10-3/4" dia. x 11" pitch 3 blade, 10-3/8" dia. x 11-1/2" pitch 3 blade, 10-1/2" dia. x 12" pitch										
<input type="checkbox"/> NOTE: The recommended full power operating range for your outboard motor is from 4000 - 5000 R.P.M. In order to get the <u>best performance</u> from your outboard the upper end of this range, from 4500 - 5000 R.P.M., is the engine speed to use in selecting the proper propeller. The R.P.M. should be measured with your expected average load in the boat.	Speed control	On steering handle - Manual Start. Knob on steering bracket or remote control - Electric Start. Synchronized throttle and spark										
Horsepower (B.I.A. certified) 40 hp at 4500 rpm Full throttle operating range 4000 to 5000 rpm Tank test with test wheel 4500 rpm Part Number 378566	Gear shift control	Forward, neutral, and reverse										
Engine type 2 cyl., 2 cycle, alternate firing Bore and stroke 3-3/16" bore x 2-3/4" stroke Piston displacement 43.9 cubic inches	Weight (without fuel tank)	Model 40502 - 128 lbs. Model 40503 - 131 lbs. Model 40552 - 137 lbs. Model 40553 - 140 lbs. (Fuel tank weight 11 pounds net)										
Piston ring sets (2 per set) standard Part Number 384699 .030" oversize Part Number 384718	Fuel capacity	6 gallons										
Diameter of ring 3.1875 in. (standard)	Electrical system (Electric start models only)	5 amp flywheel alternator										
Width of ring Upper - .0900 - .0895 in. Lower - .0615 - .0625 in.	Starter	Manual - Self-winding Electric - 12 volt, Key start and emergency rope										
Lbs. compression recommended when compressed Upper - 1.0 to 3.0 lbs. Lower - 4 to 8 lbs.	Starter amperage draw while cranking	120 AMPS Max.										
Piston less rings standard Part Number 384692 .030" oversize Part Number 384715	Ignition	Low tension magneto										
Crankshaft size Top journal 1.4979 - 1.4974 Center journal 1.3752 - 1.3748 Bottom journal 1.1815 - 1.1810	Spark plug	Champion L4J, 14mm										
Connecting rod crank pin 1.1828 - 1.1823 in.	Spark plug gap	.030 inch										
Carburetion Single barrel, float feed, fixed high speed adjustable low-speed, manual or electric choke	Spark plug torque	17-1/2 - 20-1/2 foot-pounds										
High speed orifice plug Part Number 319534 Identification Number 67D Check with #51 drill	Breaker point	Gap .020 inch										
Float level setting Flush with rim of casting	Condenser Capacity Coil	Part Number 581419 .25 - 29 Mfd. Part No. 581370										
Inlet needle seat .065 - .062 Use #52 drill as gage	COIL TEST SPECIFICATIONS											
Cooling system Centri-matic (combination positive displacement and centrifugal pump)	New Stevens Tester Model No. M.A.-75 or M.A.-80 with M.A.-14 Adapter in Series with High Tension Lead											
Propeller gear ratio 12:21	<table border="1"> <tr> <th>Switch</th> <th colspan="2">Index Adjustment</th> </tr> <tr> <td>B</td> <td colspan="2">25</td> </tr> </table>		Switch	Index Adjustment		B	25					
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Propeller drive pin Part Number 304757, 1/4" x 1-15/32" stainless steel	Merc-O-Tronic with 55-980 CDA Adapter											
Propeller supplied with motor 3 blade, 10-1/2" dia. x 13" pitch	<table border="1"> <tr> <th>Operating Amperage</th> <th>Primary Resistance Min. Max.</th> <th>Secondary Continuity Min. Max.</th> </tr> <tr> <td>1.7</td> <td>0.8 - 1.2</td> <td>60 - 70</td> </tr> </table>		Operating Amperage	Primary Resistance Min. Max.	Secondary Continuity Min. Max.	1.7	0.8 - 1.2	60 - 70				
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	Graham Tester Model											
	<table border="1"> <tr> <th>Maximum Secondary</th> <th>Maximum Primary</th> <th>Coil Index</th> <th>Minimum Coil Test</th> <th>Gap Index</th> </tr> <tr> <td>20,000 ohms</td> <td>14.0 ohms</td> <td>50</td> <td>24</td> <td>45</td> </tr> </table>		Maximum Secondary	Maximum Primary	Coil Index	Minimum Coil Test	Gap Index	20,000 ohms	14.0 ohms	50	24	45
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*Horsepower established at sea level. Allow 2% reduction per 1000' above sea level.