

# SPECIFICATIONS

Model Numbers	40602 - Standard length (15" transom) 40603 - 5" longer (20" transom) 40652 - Standard length (15" transom) 40653 - 5" longer (20" transom)
<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.
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
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
Piston ring sets (2 per set)	
standard	Part Number 384699
.030" oversize	Part Number 384718
Diameter of ring	3.1875 in. (standard)
Width of ring	Upper - .0900 - .0895 in. Lower - .0615 - .0625 in.
Lbs. compression recommended when compressed	Upper - 1.0 to 3.0 lbs. Lower - 4 to 8 lbs.
Piston less rings	
standard	Part Number 384692
.030" oversize	Part Number 384715
Crankshaft size	
Top journal	1.4979 - 1.4974
Center journal	1.3752 - 1.3748
Bottom journal	1.1815 - 1.1810
Connecting rod crank pin	1.1828 - 1.1823 in.
Carburetion	Single barrel, float feed, fixed high speed adjustable low-speed, manual or electric choke
High speed orifice plug	Part Number 319534 Identification Number 67D Check with #51 drill
Float level setting	Flush with rim of casting
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 304757, 1/4" x 1-15/32" stainless steel
Propeller supplied with motor	3 blade, 10-1/2" dia. x 13" pitch

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
Speed control	On steering handle - Manual Start. Knob on steering bracket or remote control - Electric Start. Synchronized throttle and spark
Gear shift control	Forward, neutral, and reverse
Weight (without fuel tank)	Model 40602 - 128 lbs. Model 40603 - 131 lbs. Model 40652 - 137 lbs. Model 40653 - 140 lbs. (Fuel tank weight 11 pounds net)
Fuel capacity	6 gallons
Electrical system (Electric start models only)	5 amp flywheel alternator
Starter	Manual - Self-winding Electric - 12 volt, Key start and emergency rope
Starter amperage draw while cranking	120 AMPS Max.
Ignition	Low tension magneto
Spark plug	Champion L4J, 14mm
Spark plug gap	.030 inch
Spark plug torque	17-1/2 - 20-1/2 foot-pounds
Breaker point	Gap .020 inch
Driver coil	Rope . . . . . 1.45 ± .4 OHM Elec . . . . . 2.70 ± .7 OHM
Condenser Capacity	Part Number 581419 .25 - 29 Mfd.
Ignition coil	Part No. 581370

## IGNITION COIL TEST SPECIFICATIONS

Stevens Model ST-75				
Reverse Polarity (Switch Setting Standard)				1.3
Stevens Tester Model M.A.-75 or M.A.-80 with M.A.-14 Adapter in Series with High Tension Lead				
Switch		Index Adjustment		
B		25		
Merc-O-Tronic with 55-980 CDA Adapter				
Operating Amperage	Primary Resistance Min. Max.		Secondary Continuity Min. Max.	
1.7	0.8 - 1.2		60 - 70	
Graham Tester Model				
Maximum Secondary	Maximum Primary	Coil Index	Minimum Coil Test	Gap Index
20,000 ohms	14.0 ohms	50	24	45
COIL OHMMETER TEST				
Primary (Low Ohms)		Secondary (High Ohms)		
1.35 ± .3		13,5000 ± 1500		

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