

# SPECIFICATIONS

Model Numbers	40R72 - Standard length (15" transom) 40RL72 - 5" longer (20" transom) 40E72 - Standard length (15" transom) 40EL72 - 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 40R72 - 128 lbs. Model 40RL72 - 131 lbs. Model 40E72 - 137 lbs. Model 40EL72 - 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	40R72-40RL72 - Ready pull self-winding 40E72-40EL72 - Electric
Piston displacement	43.9 cubic inches	Starter amperage draw while cranking	120 AMP.
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	Switch	Index Reading
Center journal	1.000 - .9995	A	2.0 - 2.5
Bottom journal	1.000 - .9995	New Stevens Tester Model No. M.A. -75	
Connecting rod crank pin	1.1828 - 1.1823 in.	Switch	Index Adjustment
Carburetion	Single barrel, float feed, fixed high speed, adjustable low-speed, manual or electric choke	A	22
High speed orifice plug	Part Number 317183 Identification Number 67C Check small hole end with 23/64" drill	Merc-O-Tronic	
Float level setting	Flush with rim of casting	Operating Amperage	Primary Resistance Min. Max.   Secondary Continuity Min. Max.
Inlet needle seat	.065 - .062 Use #52 drill as gage	1.4	.45 - .55   35 - 45
Cooling system	Vari-Volume (combination positive displacement and centrifugal pump)	Graham Tester Model 51	
Propeller gear ratio	12:21	Maximum Secondary	Maximum Primary
Propeller drive pin	Part Number 304575, 1/4" x 1-15/32" stainless steel	Coil Index	Minimum Coil Test
Propeller supplied with motor	3 blade, 10-1/2" dia. x 13" pitch	75	Gap Index
		5500	33   70

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

