

# SPECIFICATIONS

Model Numbers	40102 - Standard length (15" transom) 40103 - 5" longer (20" transom) 40152 - Standard length (15" transom) 40153 - 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	Knob on steering bracket or remote control. Synchronized throttle and spark
Full throttle operating range	4000 to 5000 rpm	Gear shift control	Forward, neutral, and reverse
Tank test with test wheel	4300 rpm Part Number 378566	Weight (without fuel tank)	Model 40102 - 128.5 lbs. Model 40103 - 132 lbs. Model 40152 - 140 lbs. Model 40153 - 144 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	Ski-Twin - Simplex self-winding Ski-Twin Electric - Electric
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	Switch	Index Reading
Center journal	1.000 - .9995	A	2.0 - 2.5
Bottom journal	1.000 - .9995		
Connecting rod crank pin	1.1828 - 1.1823 in.	New Stevens Tester Model No. M.A.-75	
Carburetion	Single barrel, float feed, high- and low-speed adjustments, manual choke or electric choke	Switch	Index Adjustment
Float level setting	Flush with rim of casting	A	22
Inlet needle seat	.065 - .062 Use #52 drill as gage	Merc-O-Tronic	
Cooling system	Centri-matic (combination positive displacement and centrifugal pump)	Operating Amperage	Primary Resistance Min. Max.   Secondary Continuity Min. Ma x.
Propeller gear ratio	12:21	1.4	.45 - .55   35 - 45
Propeller drive pin	Part Number 304575, 1/4" x 1-15/32" stainless steel	Graham Tester Model 51	
Propeller supplied with motor	3 blade, 10-1/2" dia. x 13" pitch	Maximum Secondary	Maximum Primary   Coil Index   Minimum Coil Test   Gap Index
		5500	1.2   75   33   70

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