

**SPECIFICATIONS**

Model Numbers . . . . . 18002 - Standard length (15" transom)  
 18003 - 5" longer (20" transom)  
 \*Horsepower (B.I.A.-certified) . . . . . 18 hp at 4500 rpm  
 Full throttle operating range . . . . . 4000 to 5000 rpm  
 Tank test with test wheel . . . . . 4400 rpm  
 Engine type . . . . . 2 cylinder, 2 cycle, alternate firing  
 Bore and stroke . . . . . 2-1/2" bore x 2-1/4" stroke  
 Piston displacement . . . . . 22.0 cubic inches  
 Piston ring sets (2 per set) standard . . . . . Part Number 383473  
 .020" oversize . . . . . Part Number 383474  
 .040" oversize . . . . . Part Number 383475  
 Diameter of ring . . . . . 2.5000 in. (standard)  
 Width of ring . . . . . .0625 - .0615 in.  
 Lbs. compression recommended  
 when compressed . . . . . 3 to 5-1/2 lbs.  
 Piston less rings standard . . . . . Part Number 383476  
 .020" oversize . . . . . Part Number 383477  
 .040" oversize . . . . . Part Number 383478  
 Crankshaft size  
 Top journal . . . . . 1.0000 - .9995 in.  
 Center journal . . . . . 1.0000 - .9995 in.  
 Bottom journal . . . . . 1.0000 - .9995 in.  
 Connecting rod crank pin . . . . . 1.0005 - 1.0000 in.  
 Carburetion . . . . . Single barrel, float feed, low-speed adjustment  
 Float level setting . . . . . Parallel to and 1/16 above gasket surface  
 Carburetor orifice plug 309935 . . . . . .068  
 Inlet needle seat . . . . . .065" - .062" Use a #52 drill as a gage  
 Cooling system . . . . . Centri-Matic (combination positive displacement and centrifugal pump). Thermostatically controlled by-pass system  
 Propeller gear ratio . . . . . 12:21  
 Propeller drive pin . . . . . Part Number 307949 3/16" x 1-25/64" stainless steel  
 Propeller, supplied with motor . . . . . 3 blade, 9" dia. x 10" pitch  
 Propeller, optional . . . . . 3 blade, 9" dia. x 9" pitch  
 Speed control . . . . . Twist-grip, synchronized throttle and spark  
 Gear shift control . . . . . Forward, neutral and reverse  
 Weight (less fuel tank) . . . . . 18002-80 lbs., 18003-82 lbs.  
 Fuel tank (net) . . . . . 11 lbs.  
 Fuel capacity . . . . . 6 gallons  
 Starter . . . . . Manual self-rewinding  
 Ignition . . . . . Flywheel magneto  
 Spark plug . . . . . AC-M42K, Champion J4J, - 14 mm  
 Spark plug gap . . . . . .030 inch  
 Spark plug torque . . . . . 17-1/2 - 20-1/2 Foot-pounds  
 Breaker point gap . . . . . .020 inch  
 Condenser . . . . . Part Number 580422  
 Capacity . . . . . .25 - .29 Mfd.  
 Part No. 580197 Coil Test Specifications -

Old Stevens Tester

Switch	Index Reading
B	1.5 - 2.0

New Stevens Tester Model No. M.A.-75

Switch	Index Adjustment
A	22

Merc-O-Tronic

Operating Amperage	Primary Resistance		Secondary Continuity	
	Min.	Max.	Min.	Max.
1.5	.5	.6	42	52

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