

SPECIFICATIONS

Model Numbers 18902 - Standard length (15" transom)
 18903 - 5" longer (20" transom)
 *Horsepower (O.B.C.-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 ring0625 - .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 309517072"
 Inlet needle seat065" - .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
 Speed control Twist-grip, synchronized throttle and spark
 Gear shift control Forward, neutral and reverse
 Weight (less fuel tank) 19802-80 lbs., 19803-82 lbs.
 Fuel tank (net) 11 lbs.
 Fuel capacity 6 gallons, suction type tank
 Starter Manual self-rewinding
 Ignition Flywheel magneto
 Spark plug AC-M42K, Champion J4J, Auto-Lite A21X - 14 mm
 Spark plug gap030 inch
 Spark plug torque 17-1/2 - 20-1/2 Foot-pounds
 Breaker point gap020 inch
 Condenser Part Number 580422
 Capacity25 - .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.
1.40			42	52