

SPECIFICATIONS

Model Numbers 18102 - Standard length (15" transom)
 18103 - 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 Part Number 376913. 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
 .030" oversize Part Number 384358

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
 .030" oversize Part Number 384357

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 309935068
 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
 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) 18102-81 lbs., 18103-83 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 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 | 21 |

Merc-O-Tronic

| Operating Amperage | Primary Resistance | | Secondary Continuity | |
|--------------------|--------------------|------|----------------------|------|
| | Min. | Max. | Min. | Max. |
| 1.5 | .5 | .6 | 45 | 55 |

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