

SPECIFICATIONS

Model Numbers 25102 - Standard length (15" transom)
 25103 - 5" longer (20" transom)
 *Horsepower (B.I.A.-certified) 25 hp at 5500 rpm
 Full throttle operating range 5000 to 6000 rpm
 Tank test with test wheel Part Number 376913 4900 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 383524
 .030" oversize Part Number 384370

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
 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) 25102-82 lbs., 25103-84 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.