SPECIFICATIONS

Model Numbers . . . . . 85ESL69 (20" transom)
*Horsepower (O.B.C.-certified) . . . . . 85 hp at 5000 rpm
Full throttle operating range . . . . . 4500 to 5500 rpm
Tank test with test wheel . . . . . 4800 rpm
Engine type . . . . . 90° V-type, 4-cylinder, 2 cycle
Bore and stroke . . . . . 3.375" bore x 2.588" stroke
Piston displacement . . . . . 92.6 cubic inches
Piston ring sets (3 per set) standard . . . . . Part Number 382825
.020" oversize . . . . . Part Number 382826
.040" oversize . . . . . Part Number 382827
Diameter of ring . . . . . 3.375 in. (standard)
Width of ring . . . . . .093 in.
Piston ring lbs. compression
recommended when compressed . . . . . 9.7 to 14.5 lbs.
Piston less rings
Standard . . . . . Part Number 383674
.020" oversize . . . . . Part Number 383697
.040" oversize . . . . . Part Number 383698
Crankshaft size
Top journal . . . . . 1.4980 - 1.4975 in.
Center journals . . . . . 1.3752 - 1.3748 in.
Bottom journal . . . . . 1.1815 - 1.1810 in.
Connecting rod crank pin . . . . . 1.1828 - 1.1823 in.
Carburetion . . . . 2 carburetors - Float feed with low-speed adjustment
Automatic, manual lever and remote control choke
Float level setting . . . Remove float bowl, turn carburetor upside down
so weight of float closes needle; float should
now be parallel to gasket surface.
Carburetor orifice plug . . . . . Part Number 315321 Hole size .056
Inlet needle seat . . . . . .065 - .062 Use a #52 drill as gage
Cooling system . . . . Thermostatically controlled recirculating system
Propeller gear ratio 13:26
Propeller supplied with motor . . . . . 3 blade, 13-1/4" dia. x 17" pitch
Alternate propellers . . . . . 3 blade, 14" dia. x 9" pitch
3 blade, 14" dia. x 11" pitch
3 blade, 14" dia. x 13" pitch
3 blade, 13-3/4" dia. x 15" pitch
3 blade, 13" dia. x 19" pitch
Speed control . . . . . Remote control - synchronized throttle and spark
Gear shift control . . . . . Hydro-Electric - forward
neutral, reverse - remote control
Shift solenoids . . . . . 5-6 ohms (lo ohms scale)
Weight (without fuel tank) . . . . . 245 lbs.
(Fuel tank weight 11 lbs. net)
Fuel capacity . . . . . 6 gallons, suction type tank
Starter . . . . . Electric and emergency rope
Electrical system . . . . . 9 amp flywheel alternator
Starter amp draw when cranking . . . . . 185 amperes maximum
Ignition (CD with breaker points) . . . . . Battery - Power Pulse
Spark plug . . . . . AC V4OFF or Champion L-19V
Spark plug torque . . . . . 17-1/2 - 20-1/2 foot-pounds
Breaker point gap . . . . . .010 in.
Breaker point spring tension . . . . . 28 - 32 oz.

Part No. 580740 Coil Test Specifications - New Stevens Tester Model No. M.A. - 75 **Use Model CD-1 Adapter

Switch	Coil	Index Adjustment
**A	580740	20

Merc-O-Tronic with Capacitor Discharge Adapter Model 55-980

Operating Amperage	Primary Resistance	Secondary Continuity
Min. - Max.	Min. - Max.	Min. - Max.
1.4		22 - 26

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