

SPECIFICATIONS

Model Numbers 55ES69 (standard length)
 55ESL69 (5" longer)
 *Horsepower (O.B.C.-certified) 55 hp at 5000 rpm
 Full throttle operating range 4500 to 5500 rpm
 Tank test with test wheel 4600 rpm
 Engine type 2 cycle, 3 cylinders in line
 Bore and stroke 3" bore x 2-11/32" stroke
 Piston displacement 49.7 cubic inches
 Piston ring sets (3 per set) standard Part Number 383653
 .020" oversize Part Number 383654
 Diameter of ring 3.000 in. (standard)
 Width of ring0625 - .0615 in.
 Piston ring lbs. compression
 recommended when compressed 4 to 8 lbs.
 Piston less rings
 Standard Part Number 383650
 .020" oversize Part Number 383651
 Crankshaft size
 Top journal 1.4979 - 1.4974 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 . . . 3 carburetors - Float feed with low-speed adjustment.
 Automatic, thermo electric manual lever and remote control choke
 Float level setting . . . Remove float bowl, turn it upside down so weight
 of float closes needle; float should now be
 parallel to and 1/16" above surface of gasket
 Carburetor orifice plug Part Number 315412 - Hole size .060"
 Inlet needle seat065 - .062 Use a #52 drill as gage.
 Cooling system Thermostatically controlled recirculating system
 Propeller gear ratio 12:29
 Propeller 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
 Weight (without fuel tank) Model 55ES69 - 197 lbs.
 Model 55ESL69 - 202 lbs.
 (Fuel tank weight 11 lbs. net)
 Fuel capacity 6 gallons, suction type tank
 Starter 9 amp electric and emergency rope
 Electrical system Alternating current generator
 Starter amp draw when cranking 135 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 gap010 in.
 Breaker point spring tension 28 - 32 oz.
 Shift solenoid resistance - lo ohms scale 5-6 ohms
 Part No. 580730 Coil Test Specifications - New Stevens Tester Model
 No. M.A. - 75 **Use Model CD-1 Adapter

<u>Switch</u>	<u>Coil</u>	<u>Index Adjustment</u>
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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.