

SPECIFICATIONS

Model Numbers 60ES70 (standard length)
 60ESL70 (5" longer)

*Horsepower (B.I.A.-certified) 60 hp at 5000 rpm

Full throttle operating range 4500 to 5500 rpm

Tank test with test wheel 4800 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 (2 per set) standard Part Number 384250
 .020" oversize Part Number 384247
 .030" oversize Part Number 384300

Diameter of ring 3.000 in. (standard)

Width of ring0625 - .0615 in.

Piston ring lbs. compression
 recommended when compressed 4 to 8 lbs.

Piston with rings
 Standard Part Number 384251
 .020" oversize Part Number 384249
 .030" oversize Part Number 384299

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 205880 - Hole size .057"

Inlet needle seat065 - .062 Use a #52 drill as gage.

Cooling system Thermostatically controlled recirculating system

Propeller gear ratio 12:29

Propeller supplied with motor (Aluminum) 3 blade, 13-1/4" dia. x 17" pitch

Alternate propellers (Aluminum) 3 blade, 14" dia. x 9" pitch
 (Aluminum) 3 blade, 14" dia. x 11" pitch
 (Aluminum) 3 blade, 14" dia. x 13" pitch
 (Aluminum) 3 blade, 13-3/4" dia. x 15" pitch
 (Aluminum) 3 blade, 13" dia. x 19" pitch
 (Aluminum) 3 blade, 12-3/4" dia. x 21" pitch
 (Bronze) 3 blade, 13" dia. x 19" pitch
 (Bronze) 2 blade, 13-3/4" dia. x 21" pitch
 (Bronze) 2 blade cupped, 13-3/4" dia. x 21" pitch
 (Bronze) 2 blade cupped, 13-3/4" dia. x 23" pitch

Speed control Remote control - synchronized throttle and spark

Gear shift control Hydro-Electric - forward,
 neutral, reverse - remote control

Weight (without fuel tank) Model 60ES70 - 207 lbs.
 Model 60ESL70 - 212 lbs.
 (Fuel tank weight 11 lbs. net)

Fuel capacity 6 gallons

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. 580847 Coil Test Specifications - New Stevens Tester Model
 No. M.A. - 75 **Use Model CD-1 Adapter

Switch	Coil	Index Adjustment
**A -	580847	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.