

# SPECIFICATIONS

Model Numbers . . . . . E60 ECS (standard length)  
 E60 ELCS (5" (127 mm) longer)  
 \*Horsepower (B.I.A.-certified) . . . 60 hp (42.4 kW) at  
 5500 rpm  
 Full throttle operating range . . . 5000 to 6000 rpm

**NOTE**

The recommended full power operating range for this outboard motor is from 5000 - 6000 rpm. In order to get the best performance, the upper end of this range, from 5500 - 6000 rpm is the engine speed to use selecting the proper propeller. The rpm should be measured with your expected average load in the boat.

Tank test with test wheel  
 Part No. 387635 . . . . . 5600 rpm

Idle speed . . . . . 1000-1100 rpm (neutral)  
 700-750 rpm (in gear)

Engine type . . . . . 2 cycle, 2 cylinders in line  
 Bore and stroke . . . . 3.1875" bore x 2.820" stroke  
 (80.96 x 71.63 mm)

Piston displacement . . . . . 45.0 cu. in. (737 cm<sup>3</sup>)

Piston ring sets  
 (2 per set) standard . . . . . Part No. 391170  
 0.030" oversize . . . . . Part No. 391416

Width of ring  
 Upper, . . . . . 0.0900" - 0.0895"  
 (2.286 - 2.273 mm)  
 Lower, . . . . . 0.0625" - 0.0615"  
 (1.588 - 1.562 mm)

Piston without rings  
 Standard . . . . . Part No. 390457  
 0.030" oversize . . . . . Part No. 391417

Crankshaft size  
 Top journal . . . . . 1.4979" - 1.4974"  
 (38.047 - 38.034 mm)  
 Center journal . . . . . 1.3752" - 1.3748"  
 (34.930 - 34.920 mm)  
 Bottom journal . . . . . 1.1815" - 1.1810"  
 (30.010 - 29.997 mm)

Connecting rod crank pin . . . . . 1.1828" - 1.1823"  
 (30.043 - 30.030 mm)

Carburetion . . . . . 2 carburetors - Float feed.  
 Manual and remote control choke

Float level setting . . . . . Between notches on  
 gauge No 324891

High speed orifice plug . . . . . Part No. 320921  
 Hole size 0.055" (1.40 mm)

Idle orifice plug . . . . . Part no. 325827  
 0.044" (1.12 mm)

Intermediate orifice plug . . . . . Part no. 323703  
 0.036" (0.91 mm)

Inlet needle set . 0.065" - 0.062" (1.65 - 1.57 mm)  
 Use a #52 drill as gage.

Cooling system . . . . . Temperature and  
 pressure controlled system

Propeller gear ratio . . . . . 12:29

Propeller supplied with motor . . . . . (Aluminum)  
 3 blade 11-3/4 dia. x 17" pitch

Alternate propellers . . . . . (Aluminum) 3 blade,  
 13" dia. x 11" pitch  
 (Aluminum) 3 blade, 12-1/2" dia. x 13" pitch  
 (Aluminum) 3 blade, 11-3/4" dia. x 17" pitch  
 (Aluminum) 3 blade, 11-1/2" dia. x 19" pitch  
 (SST) 3 blade, 12-1/2" dia. x 13" pitch  
 (SST) 3 blade, 12-1/4" dia. x 15" pitch  
 (SST) 3 blade, 11-3/4" dia. x 17" pitch  
 (SST) 3 blade, 11-1/4" dia. x 19" pitch

Speed control . . . . . Remote control synchronized  
 throttle and spark

Gear shift control . . . . . Forward, neutral,  
 reverse - remote control

Weight  
 (without fuel tank) . . Standard - 180 lbs. (81.6 kg),  
 Long - 187 lbs. (84.8 kg)  
 (Fuel tank weight 11 lbs. (5.0 kg) net)

Fuel capacity . . . . . 6 gallons (22.7 litres)

Starter . . . . . Electric with emergency rope

Electrical system . . . . 5 amp alternating current  
 generator

Starter amp draw when cranking  
 (Prestolite) . . . . . 160 amperes maximum  
 (Bosch) . . . . . 110 amperes maximum

Ignition (Magneto breakerless C.D.) . . . . . CD-2

Timing . . . . . 21° @ 3500 minimum rpm in gear

Spark plug . . . . . Champion L77J4 or  
 AC M40FFX

Spark plug torque . . . . . 17-1/2 - 20-1/2 ft.-lbs.  
 (24-27 N·m)

Spark plug gap . . . . . 0.040" (1.0 mm)

Ignition coil . . . . . Part No. 581997

\*Horsepower at sea level. Allow 2% reduction per 1000' (300 m) above sea level.

## IGNITION COIL TEST SPECIFICATIONS

Stevens Model ST-75  
 Reverse Polarity (Switch Setting CD) . . . . . 1.2

Stevens Tester Model M.A.-75 or M.A.-80  
 Switch . . . . . A (Use Model CD-1 Adapter - Red  
 test clip to orange/black -  
 Black test clip to orange)

Index Adjustment . . . . . 20

Merc-O-Tronic with  
 Capacitor Discharge Adapter Model 55-980  
 Operating Amperage . . . . . 1.4

Primary Resistance . . . . . 0.1 Ohm or less  
 Secondary Continuity . . . . . Approx 5

Graham Tester Model 51  
 Maximum Secondary . . . . . 1,000 ohms  
 Maximum Primary . . . . . .5 ohm  
 Coil Index . . . . . 50  
 Coil Test Minimum Amplified . . . . . 17  
 (With secondary circuit "open")  
 Hi tension lead disconnected

Gap Index . . . . . 50 (Coil must fire sprak gap on  
 tester at this setting)