

SPECIFICATIONS

Model Numbers	E10RCS, E15RCS - Standard length (15" transom) (381 mm) Manual start E10RLSC, E15RLSC - Long shaft (20" transom) (508 mm) Manual start E15ECS - Standard length (15" transom) (381 mm) Electric start E10ELCS, E15ELCS - Long shaft (20" transom) (508 mm) Electric start E10SELCS - Long shaft, Electric start with reverse thrust kit
9.9 Horsepower (7 kW) (B.I.A. certified at 5000 rpm)	Full throttle operating range 4500 to 5500 rpm Test wheel Part Number 386537 Tank Test - 5400 rpm standard 4200 rpm with reverse thrust kit
15 Horsepower (10.6 kW) (B.I.A. certified at 6000 rpm)	Full throttle operating range 5500 to 6500 rpm Test wheel Part Number 386537 Tank test - 6200 rpm standard 4800 rpm with reverse thrust kit
Engine type	2 cyl., 2 cycle, alternate firing
Bore and stroke	2.188" bore x 1.760" stroke (55.58 x 44.70 mm)
Piston displacement	13.20 cubic inches (216 cm ³)
Piston ring sets (2 per set)	standard Part Number 386279 0.030" oversize Part Number 386280
Width of ring	Upper - 0.0700 - 0.0695 in. (1.778 - 1.765 mm) Lower - 0.0615 - 0.0625 in. (1.562 - 1.588 mm)
Piston less rings	standard Part Number 387660 0.030" oversize Part Number 387661
Crankshaft size	Top journal 0.8762 - 0.8757 in. (22.255 - 22.243 mm) Center journal 0.8125 - 0.8120 in. (20.638 - 20.625 mm) Bottom journal 0.8125 - 0.8120 in. (20.638 - 20.625 mm)
Crank pin size	0.8120 - 0.8125 in. (20.625 - 20.637 mm)
Carburetion	Single barrel, float feed, fixed high speed, adjustable low-speed, manual choke
High speed orifice plug (9.9 hp)	Part Number 323637
High speed orifice plug (15 hp)	Part Number 322293
Float level setting	Identification Number 54
Inlet needle seat	Between steps on gauge No.324891
Cooling system	0.053 - 0.050" (1.35 - 1.27 mm) Use #55 drill as gauge Thermostatically controlled Combination positive displacement and centrifugal pump
Propeller gear ratio	12:29
Propeller supplied with motor	3 blade, 9-1/2" dia. x 10" pitch
Propeller supplied with sailboat model	3 blade, 9-1/4" dia. x 8" pitch
Propeller options	3 blade, 10" dia. x 5" pitch 2 blade weedless 9" dia. x 10" pitch

Speed control	On steering handle Remote control available
Gear shift control	Forward, neutral and reverse
Weight (without fuel tank)	Models E10RSC, E15RSC - 72 lbs. (32.7 kg) Models E10RLSC, E15RLSC - 77 lbs. (34.5 kg) Model E15ECS - 77 lbs. (35.2 kg) Models E10ELCS, E15ELSC - 82 lbs. (37.0 kg) Model E10SELCS - 82 lbs. (37.0 kg)
Fuel capacity	Fuel tank weight 11 pounds (5.0 kg) net 6 gallons (22.7 litres) Electrical system (Electric start models only) 5 amp flywheel alternator Manual - Self-winding Electric - 12 volt, and rope
Starter	
Starter amperage draw while cranking	55 Amps max.
Ignition	Breakerless CD magneto
Spark plug	Champion L78V or ACV40FFK
Alternate spark plug	Champion L77J4 or AC M40FFX gapped at 0.040" (1.0 mm)
Spark plug torque	17-1/2 - 20-1/2 ft-lbs (24 - 27 N-m)
Charge coil resistance	
Rope	575 ± 75 ohms
Electric	475 ± 75 ohms
Ignition coil	Part No. 581998

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		
<u>Switch</u> **A	<u>Index Adjustment</u> 20	
Merc-O-Tronic with Capacitor Discharge Adapter Model 55-980 (Reverse Polarity)		
Operating Amperage	Primary Resistance	*Secondary Continuity
1.4	0.1 Ohm or Less	5 approx.
**Use Model CD-1 Adapter Red test clip to orange/black Black test clip to orange		

Graham Tester Model 51	
Maximum Secondary	1,000 ohms
Maximum Primary	0.5 ohm
Coil Index	50
Coil Test Minimum AMPLIFIED	17 (With secondary circuit open)
Gap Index	50 (Coil must fire spark gap on tester at this setting.)

IGNITION COIL OHMMETER TEST	
Primary Low Ohms	Secondary High Ohms
0.1 ± 0.05	275 ± 50

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