

SPECIFICATIONS

Model Numbers 10R77, 15R77-Standard length (15"transom) (381 mm) 10RL77, 15RL77-5"longer (127 mm) (20" transom) (508 mm) 10E77, 15E77-Standard length (15"transom) (381 mm) 10EL77, 15EL77- 5" longer (127 mm) (20" transom) (508 mm)	Speed control On steering handle Remote control available	
9.9 Horsepower (B.I.A. certified) at 5000 rpm Full throttle operating range 4500 to 5500 rpm Tank test with test wheel 5400 rpm Part Number 386537 15 Horsepower (B.I.A. certified) at 6000 rpm Full throttle operating range 5500 to 6500 rpm Tank test with test wheel 6200 rpm Part Number 386537	Gear shift control Forward, neutral and reverse Weight (without fuel tank) Models 10R77, 15R77 - 72 lbs. (32.7 kg) Models 10RL77, 15RL77 - 77 lbs. (34.9 kg) Models 10E77, 15E77 - 77 lbs. (34.9 kg) Models 10EL77, 15EL77 - 82 lbs. (37.2 kg) (Fuel tank weight 11 pounds (5 kg) net)	
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 .030" oversize Part Number 386280 Diameter of ring 2.1875 in. (standard) (55.562 mm) 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 .030" oversize Part Number 387661 Crankshaft size Top journal 0.8762 - 0.8757 in. (22.255 - 12.243 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) Connecting rod crank pin 1.0635 - 1.0630 in. (27.013 - 27.000) Carburetion Single barrel, float feed, fixed high speed adjustable low-speed, manual choke High speed orifice plug (9.9 hp) Part Number 322752 Identification Number 38 High speed orifice plug (15 hp) Part Number 322293 Identification Number 54 Float level setting Flush with rim of casting Inlet needle seat 0.065 - 0.062" (1.65 - 1.57 mm) Use #52 drill as gage Cooling system 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 options 3 blade, 9-1/4" dia. x 8" pitch 3 blade, 10" dia. x 5" pitch 2 blade weedless 9" dia. x 10" pitch	Fuel capacity 6 gallons (22.7 litres) Electrical system (Electric start models only) 5 amp flywheel alternator Starter Manual - Self-winding Electric - 12 volt, and rope Starter amperage draw while cranking 55 Amps max. Ignition Breakerless C.D. magneto Spark plug Champion L77J4 or AC M40FFX, 14 mm Spark plug gap 0.040 inch (1.0 mm) Spark plug torque 17-1/2 - 20-1/2 foot-pounds (24 - 27 N·m) Charge coil resistance Rope 575 ± 75 ohms Electric 475 ± 75 ohms Ignition coil Part No. 581685	
IGNITION COIL TEST SPECIFICATIONS		
Stevens Model ST-75		
Reverse Polarity (Switch Setting CD) 1.9		
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		
Operating Amperage	Primary Resistance	*Secondary Continuity
Min. - Max.	Min. - Max.	Min. - Max.
1.9	.1 Ohm	8 - 20
**Use Model CD-1 Adapter Red test clip to orange/black Black test clip to orange		
Graham Tester Model 51		
Maximum Secondary		3,000 ohms
Maximum Primary		0.6 ohm
Coil Index		50
Coil Test Minimum AMPLIFIED		27 (With secondary circuit "open.") Hi tension lead disconnected
Gap Index		50 (Coil must fire spark gap on tester at this setting.)
IGNITION COIL OHMMETER TEST		
Primary Low Ohms		Secondary High Ohms
.1 ± .05		1,300 ± 200

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