

SPECIFICATIONS

<p>Model 10R78, 15R78 - Standard length (15" transom) (381 mm) Manual start</p> <p>10RL78, 15RL78 - Long Shaft (20" transom) (508 mm) Manual start</p> <p>15E78 - Standard length (15" transom) (381 mm) Electric start</p> <p>10EL78, 15EL78 - Long shaft (20" transom) (508 mm) Electric start</p> <p>10SEL78 - Long shaft, electric start with reverse thrust kit</p>	<p>Speed control On steering handle Remote control available</p> <p>Gear shift control Forward, neutral and reverse</p> <p>Weight (without fuel tank) Models 10R78, 15R78 - 72 lbs. (32.7 kg) Models 10RL78, 15RL78 - 76 lbs. (34.5 kg) Model 15E78 - 77.5 lbs. (35.2 kg) Models 10EL78, 15EL78 - 81.5 lbs. (37.0 kg) Model 10SEL78 - 81.5 lbs. (37.0 kg) Fuel tank weight 11 pounds (5.0 kg) net</p> <p>Fuel capacity 6 gallons (22.7 litres)</p> <p>Electrical system (Electric start models only) 5 amp flywheel alternator</p> <p>Starter Manual - Self-winding Electric - 12 volt, and rope</p> <p>Starter amperage draw while cranking 55 Amps max.</p> <p>Ignition Breakerless C.D. magneto</p> <p>Spark plug Champion L78V</p> <p>Alternate spark plug AC M40FFX gapped at 0.040" (1.0 mm)</p> <p>Spark plug torque 17-1/2 - 20-1/2 foot-pounds (24 - 27 N·m)</p> <p>Charge coil resistance Rope 575 ± 75 ohms Electric 475 ± 75 ohms Ignition coil Part No. 581819</p>	
<p>9.9 Horsepower (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</p> <p>15 Horsepower (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</p>		
<p>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 cm³) 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)</p> <p>Piston less rings standard Part Number 387660 0.030" oversize Part Number 387661</p> <p>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)</p> <p>Connecting rod 1.0635 - 1.0630 in. (27.013 - 27.000 mm) crank pin</p> <p>Carburetion Single barrel, float feed, fixed high speed adjustable low-speed, manual choke</p> <p>High speed orifice plug (9.9 hp) Part Number 322752 Identification Number 38</p> <p>High speed orifice plug (15 hp) Part Number 322293 Identification Number 54</p> <p>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</p> <p>Cooling system Thermostatically controlled Combination positive displacement and centrifugal pump</p> <p>Propeller gear ratio 12:29</p> <p>Propeller supplied 3 blade, 9-1/2" dia. x 10" pitch with motor</p> <p>Propeller supplied 3 blade, 9-1/4" dia. x 8" pitch with sailboat model</p> <p>Propeller options 3 blade, 10" dia. x 5" pitch 2 blade weedless 9" dia. x 10" pitch</p>		
IGNITION COIL TEST SPECIFICATIONS		
Stevens Model ST-75		
Reverse Polarity (Switch Setting CD)		1.6
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
1.7	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		0.6 ohm
Maximum Primary DC ohms (point test)		1.0 ohms
Coil Index		60
Coil Test Minimum AMPLIFIED		29 (With secondary circuit "open.") Hi tension lead disconnected
Gap Index		60 (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 ± 25

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