

# SPECIFICATIONS

Model Numbers	6802 - Standard 15" (381 mm) transom 6803 - Long 20" (508 mm) transom
*Horsepower (B.I.A. - certified)	6 hp at 4500 rpm
Full throttle operating range	4000 - 5000 rpm
Tank test with test wheel	4500 rpm Part Number 379673
Idle speed	550 rpm in gear
Engine type	2 cylinder, 2 cycle, alternate firing
Bore and stroke	1-15/16" bore x 1-1/2" stroke (49.21 x 38.10 mm)
Piston displacement	8.84 cubic inches (145 cm <sup>3</sup> )
Piston ring sets (2 per set)	
standard	Part Number 378432
.030 oversize	Part Number 384336
Width of ring	0.0935 - 0.0925 in. (2.375 - 2.350 mm)
Piston less rings	
standard	Part Number 386692
.030" oversize	Part Number 386691
Crankshaft size	
top journal	0.8080 - 0.8075 in. (20.523 - 20.510 mm)
center journal	
bottom journal	
Connecting rod crank pin	0.6690 - 0.6685 in. (16.993 - 16.980 mm)
Carburetion	Single barrel, float feed, low-speed adjustment. Fixed high speed jet
Float level setting	Flush with rim of casting
Carburetor orifice plug	Hole size 0.042 (1.07 mm) Part Number 322249
Inlet needle seat	0.053" to 0.050" (1.35 - 1.27 mm) Use a #55 drill as gage
Cooling system	Combination positive displacement and centrifugal pump Thermostatically controlled
Propeller gear ratio	12:25
Propeller drive pin	Part Number 307949,
Propeller	8" diameter x 7" pitch, 3 blade

Speed control	Twist-grip, synchronized throttle and spark
Gear shift control	Forward, neutral, and reverse
Weight (without fuel tank)	Standard - 54 pounds (24.5 kg) Long - 55 pounds (24.9 kg) (Fuel tank weight 8.2 pounds (3.7 kg) net)
Fuel capacity	3 gallons (11.4 litres)
Starter	Manual, self-rewinding
Ignition	Flywheel magneto breakerless CD
Spark plug	Champion L78V
Alternate spark plug	Champion L77J4 or AC M40FFX gapped at 0.040" (1.0 mm)
Spark plug torque	17-1/2 - 20-1/2 Foot-pounds (24 - 27 N·m)
Charge coil resistance	575 ± 75 ohms
Ignition coil	Part No. 581862

## 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
Min. - Max.	Min. - Max.	Min. - Max.
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 ohm
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.