

SPECIFICATIONS

Model Numbers	6904 - Standard 15" (381 mm) transom 6905 - Long 20" (508 mm) transom	Speed control	Twist-grip, synchronized throttle and spark	
*Horsepower (B.I.A. - certified)	6 hp (4.2 kW) at 4500 rpm	Gear shift control	Forward, neutral, and reverse	
Full throttle operating range	4000 - 5000 rpm	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)	
Tank test with test wheel	4500 rpm Part Number 379673	Fuel capacity	3 gallons (11.4 litres)	
Idle speed	550 rpm in gear	Starter	Manual, self-rewinding	
Engine type	2 cylinder, 2 stroke cycle, alternate firing	Ignition	Flywheel magneto breakerless CD	
Bore and stroke	1-15/16" bore x 1-1/2" stroke (49.21 x 38.10 mm)	Spark plug	Champion L78V or AC M40FFK	
Piston displacement	8.84 cubic inches (145 cm ³)	Alternate spark plug	Champion L77J4 or AC M40FFX gapped at 0.040" (1.0 mm)	
Piston ring sets (2 per set) standard	Part Number 378432	Spark plug torque	17-1/2 - 20-1/2 Foot-pounds (24 - 27 N·m)	
0.030 oversize	Part Number 384336	Charge coil resistance	575 ± 75 ohms	
		Ignition coil	Part No. 581997	
		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>	<u>Index Adjustment</u>	
		**A	20	
		Merc-O-Tronic with Capacitor Discharge Adapter Model 55-980		
		Operating Amperage	Primary Resistance	*Secondary Continuity
		Min. - Max.	Min. - Max.	Min. - Max.
		1.4	0.1 Ohm or Less	275 ± 10
		**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.") 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	
		0.1 ± 0.05	275 ± 50	
		379673 TEST WHEEL		
		FOR 9/16" DIA. SHAFT		
		6 HP 1976 THRU 1979 (4500 RPM)		
Width of ring	0.0935 - 0.0925 in. (2.375 - 2.350 mm)			
Piston less rings standard	Part Number 386692			
0.030 oversize	Part Number 386691			
Crankshaft size top journal	0.8080 - 0.8075 in. (20.523 - 20.510 mm)			
center journal				
bottom journal				
Connecting rod	0.6700 - 0.6695			
Crank pin size	(17.018 - 17.005 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			

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