

SPECIFICATIONS

Model Numbers	6R79 - Standard 15" (381 mm) transom 6RL79 - 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	
Width of ring	0.0935 - 0.0925 in. (2.375 - 2.350 mm)	Ignition coil	Part No. 581997	
Piston less rings standard	Part Number 386692	IGNITION COIL TEST SPECIFICATIONS		
0.030 oversize	Part Number 386691	Stevens Model ST-75		
Crankshaft size top journal	0.8080 - 0.8075 in. (20.523 - 20.510 mm)	Reverse Polarity (Switch Setting CD)		1,2
center journal		Stevens Tester Model M.A.-75 or M.A.-80		
bottom journal		Switch	Index Adjustment	
Connecting rod	0.6700 - 0.6695	**A	20	
Crank pin size	(17.018 - 17.005 mm)	Merc-O-Tronic with Capacitor Discharge Adapter Model 55-980		
Carburetion	Single barrel, float feed, low-speed adjustment. Fixed high speed jet	Operating Amperage	Primary Resistance	*Secondary Continuity
Float level setting	Flush with rim of casting	Min. - Max.	Min. - Max.	Min. - Max.
Carburetor orifice plug	Hole size 0.042 (1.07 mm) Part Number 322249	1.4	0.1 Ohm or Less	275 ± 10
Inlet needle seat	0.053" to 0.050" (1.35 - 1.27 mm) Use a #55 drill as gage	**Use Model CD-1 Adapter Red test clip to orange/black Black test clip to orange		
Cooling system	Combination positive displacement and centrifugal pump Thermostatically controlled	Graham Tester Model 51		
Propeller gear ratio	12:25	Maximum Secondary 1,000 ohms		
Propeller drive pin	Part Number 307949,	Maximum Primary 0.5 ohm		
Propeller	8" diameter x 7" pitch, 3 blade	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	

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