

SPECIFICATIONS

Models	4W79 Weedless gearcase, standard length 4R79 standard gearcase, standard length 4RL79 standard gearcase, long shaft
POWERHEAD	
*Horsepower (B.I.A. - certified)	4 hp (2.8 kW) at 4500 rpm
Full throttle operating range	4000 to 5000 rpm
Test tank rpm with test wheel	3800 rpm Part No. 316021 for Weedless 4550 rpm Part No. 317738 for Standard
Idle rpm	600 rpm
Engine type	2-cylinder, 2 stroke cycle alternate firing
Bore and stroke	1-9/16" (39.69 mm) bore x 1-3/8" (34.93 mm) stroke
Piston displacement	5.28 cubic inches (87 cm ³)
Piston ring sets (2 per set)	
standard	Part Number 383920
0.030" oversize	Part Number 384312
Width of ring	0.0625-0.0615 in. (1.588 - 1.562 mm)
Piston assembly	
standard	Part Number 388726
0.030" oversize	Part Number 388728
0.020" oversize	Part Number 388727
Crankshaft size	
top journal	0.751 - 0.7505 in. (19.075 - 19.063 mm)
center journal	0.6690 - 0.6685 in. (16.993 - 16.980 mm)
bottom journal	0.7502 - 0.7498 in. (19.055 - 19.045 mm)
Crank pin size	0.6700 - 0.6695 (17.018 - 17.005 mm)
FUEL SYSTEM	
Carburetion	Single barrel float feed, with fixed high and adjustable low-speed jet, manual choke
Float level setting	Between steps on gage 324891
Inlet needle seat	0.063 - 0.060 (1.60 - 1.52 mm) Use a 1/16 drill as gage.
Fuel tank capacity	1.35 quarts (1,28 litres)
LOWER UNIT	
Cooling system	Combination positive displacement and centrifugal pump.
Propeller gear ratio	17:28 Weedless 12:25 Standard
Propeller drive pin	Part Number 316558
Propeller	Standard - 7-1/2" dia x 6" pitch, 3 blade plastic Weedless - 6-1/4" dia x 6" pitch, 2 blades plastic

MISCELLANEOUS		
Speed control	Single lever, synchronized throttle and spark	
Weight	Weedless - 38.0 lbs. (17.2 kg) Standard - 38.0 lbs. (17.2 kg)	
Starter	Automatic rewind - nylon rope	
IGNITION SYSTEM		
Ignition	Flywheel magneto, breakerless C.D.	
Spark plug	AC-M40FFX Champion L77J4, - 14 mm	
Spark plug gap	.040 inch (1.0 mm)	
Spark plug torque	17-1/2 - 20-1/2 foot-pounds (24 - 27 N•m)	
Ignition Coil	Part No. 581998	
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> **A	<u>Index Adjustment</u> 20	
Merc-O-Tronic with Capacitor Discharge Adapter Model 55-980		
Operating Amperage	Primary Resistance	**Secondary Continuity
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	