

# SPECIFICATIONS

Models 4W78 Weedless gearcase, standard length  
 4R78 Standard gearcase, standard length  
 4RL78 Standard gearcase, long shaft

## POWERHEAD

\*Horsepower (B.I.A. - certified) 4 hp 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 700 rpm

Engine type 2-cylinder, 2 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<sup>3</sup>)

Piston ring sets (2 per set)  
 standard Part Number 383920  
 0.030" Part Number 384312  
 oversize

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)

Connecting rod crank pin 0.6690 - 0.6685 (16.993 - 16.980)

## FUEL SYSTEM

Carburetion Single barrel float feed, with fixed high and adjustable low-speed jet, manual choke

Float level setting Flush with casting

Inlet needle seat 0.053 - 0.050 (1.35 - 1.27 mm)  
 Use a #55 drill as gage.

Fuel tank capacity 3 gallons (11.4 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

Propeller 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 #1 Cylinder - Part No. 581862  
 #2 Cylinder - Part No. 581819

## 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