

# SPECIFICATIONS

Models J4WC1 & E4WC1 Weedless gearcase, standard length  
 J4BRC1 & E4BRC1 standard gearcase, standard length  
 J4BRLC1 & E4BRLC1 standard gearcase, long shaft

## POWERHEAD

\*Horsepower (BIA - 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. 310621 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 1.5625" (39.69 mm) bore x 1.375" (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" 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

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

+High speed orifice Part No. 318823 Size 0.031" (0.79 mm)

Inlet needle seat 0.063 - 0.060 (1.60 - 1.52 mm)  
 Use a 1/16 drill as gage.

Fuel tank capacity 1.5 quarts (1.4 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 7" pitch, 3 blade plastic

Propeller Weedless - 6-1/4" dia x 6" pitch, 2 blade plastic

## MISCELLANEOUS

Speed control Single lever, synchronized throttle and spark

Weight Weedless - 38.0 lbs. (17.2 kg)  
 Standard - 39.0 lbs. (18.3 kg)

Starter Automatic rewind - nylon rope

## IGNITION SYSTEM

Ignition Flywheel magneto

Spark plug Champion L7J - 14 mm

Spark plug gap 0.030 inch

Spark plug torque 17-1/2 - 20-1/2 foot-pounds

Breaker point gap 0.020 inch

## COIL TEST SPECIFICATIONS

Stevens Tester Model ST-75

Normal Polarity (Switch Setting Standard)	2.2
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Stevens Tester Model No. M.A. -75 or 80

Switch	Index Adjustment
B	22

Merc-O-Tronic

Operating Amperage	Primary Resistance		Secondary Continuity	
	Min.	Max.	Min.	Max.
1.6	.5	.7	35	45

Graham Tester Model 51

Maximum Secondary	Maximum Primary	Coil Index	Minimum Coil Test	Max. Gap Index
5500	1.2	75	33	75

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

+Orifice part number and size are subject to change due to atmospheric conditions, manufacturing changes, and other conditions beyond our control. Check with current part catalogs or Service Bulletins before making any jet changes.