

# SPECIFICATIONS

Models	J4WC1 & E4WC1 Weedless gearcase, standard length J4BRC1 & E4BRC1 standard gearcase, standard length J4BRLC1 & E4BRLC1 standard gearcase, long shaft
<b>POWERHEAD</b>	
*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) †
<b>FUEL SYSTEM</b>	
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.