

# SPECIFICATIONS

Models	E4WCS Weedless gearcase, standard length E4RLCS standard gearcase, long shaft	<b>MISCELLANEOUS</b>	
<b>POWERHEAD</b>		Speed control	Single lever, synchronized throttle and spark
*Horsepower (B.I.A. - certified)	4 hp (2.8 kW) at 4500 rpm	Weight	Weedless - 38.0 lbs. (17.2 kg) Standard - 39.0 lbs. (18.3 kg)
Full throttle operating range	4000 to 5000 rpm	Starter	Automatic rewind - nylon rope
Test tank rpm with test wheel	3800 rpm Part No. 316021 for Weedless 4550 rpm Part No. 317738 for Standard	<b>IGNITION SYSTEM</b>	
Idle rpm	600 rpm	Ignition	Flywheel magneto, breakerless C.D.
Engine type	2-cylinder, 2 stroke cycle alternate firing	Spark plug	AC-M40FFX Champion L77J4, - 14 mm
Bore and stroke	1-9/16" (39.69 mm) bore x 1-3/8" (34.93 mm) stroke	Spark plug gap	.040 inch (1.0 mm)
Piston displacement	5.28 cubic inches (87 cm <sup>3</sup> )	Spark plug torque	17-1/2 - 20-1/2 foot-pounds (24 - 27 N•m)
Piston ring sets (2 per set) standard	Part Number 383920	Ignition Coil	Part No. 581998
0.030" oversize	Part Number 384312	<b>IGNITION COIL TEST SPECIFICATIONS</b>	
Width of ring	0.0625-0.0615 in. (1.588 - 1.562 mm)	Stevens Model ST-75	
Piston assembly standard	Part Number 388726	Reverse Polarity (Switch Setting CD) 1.2	
0.030" oversize	Part Number 388728	Stevens Tester Model M.A.-75 or M.A.-80	
Crankshaft size top journal	0.751 - 0.7505 in. (19.075 - 19.063 mm)	<u>Switch</u> **A	<u>Index Adjustment</u> 20
center journal	0.6690 - 0.6685 in. (16.993 - 16.980 mm)	Merc-O-Tronic with Capacitor Discharge Adapter Model 55-980	
bottom journal	0.7502 - 0.7498 in. (19.055 - 19.045 mm)	Operating Amperage	Primary Resistance
Crank pin size	0.6700 - 0.6695 (17.018 - 17.005 mm)	1.4	0.1 Ohm OR LESS
<b>FUEL SYSTEM</b>		**Secondary Continuity	
Carburetion	Single barrel float feed, with fixed high and adjustable low-speed jet, manual choke	275 ± 10	
Float level setting	Between steps on gage 324891	**Use Model CD-1 Adapter Red test clip to orange/black Black test clip to orange	
Inlet needle seat	0.063 - 0.060 (1.60 - 1.52 mm) Use a 1/16 drill as gage.	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	
Fuel tank capacity	1.35 quarts (1,28 litres)	Gap Index . . . . . 50 (Coil must fire spark gap on tester at this setting.)	
<b>LOWER UNIT</b>		<b>IGNITION COIL OHMMETER TEST</b>	
Cooling system	Combination positive displacement and centrifugal pump.	Primary (Low Ohms)	Secondary (High Ohms)
Propeller gear ratio	17:28 Weedless 12:25 Standard	0.1 ± 0.05	275 ± 50
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 blades plastic		