

SPECIFICATIONS

Models	J4WCS Weedless gearcase, standard length J4RLCS standard gearcase, long shaft	MISCELLANEOUS							
POWERHEAD		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	IGNITION SYSTEM							
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 ³)	Spark plug torque	17-1/2 - 20-1/2 foot-pounds (24 - 27 N·m)						
Piston ring sets (2 per set)		Ignition Coil	Part No. 581998						
standard	Part Number 383920	IGNITION COIL TEST SPECIFICATIONS							
0.030" oversize	Part Number 384312	Stevens Model ST-75							
Width of ring	0.0625-0.0615 in. (1.588 - 1.562 mm)	Reverse Polarity (Switch Setting CD) 1.2							
Piston assembly standard	Part Number 388726	Stevens Tester Model M.A.-75 or M.A.-80							
0.030" oversize	Part Number 388728	<table border="1"> <thead> <tr> <th>Switch **A</th> <th>Index Adjustment</th> </tr> </thead> <tbody> <tr> <td></td> <td>20</td> </tr> </tbody> </table>		Switch **A	Index Adjustment		20		
Switch **A	Index Adjustment								
	20								
Crankshaft size top journal	0.751 - 0.7505 in. (19.075 - 19.063 mm)	Merc-O-Tronic with Capacitor Discharge Adapter Model 55-980							
center journal	0.6690 - 0.6685 in. (16.993 - 16.980 mm)	<table border="1"> <thead> <tr> <th>Operating Amperage</th> <th>Primary Resistance</th> <th>**Secondary Continuity</th> </tr> </thead> <tbody> <tr> <td>1.4</td> <td>0.1 Ohm OR LESS</td> <td>275 ± 10</td> </tr> </tbody> </table>		Operating Amperage	Primary Resistance	**Secondary Continuity	1.4	0.1 Ohm OR LESS	275 ± 10
Operating Amperage	Primary Resistance	**Secondary Continuity							
1.4	0.1 Ohm OR LESS	275 ± 10							
bottom journal	0.7502 - 0.7498 in. (19.055 - 19.045 mm)	**Use Model CD-1 Adapter Red test clip to orange/black Black test clip to orange							
Crank pin size	0.6700 - 0.6695 (17.018 - 17.005 mm)	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 SYSTEM		Gap Index 50 (Coil must fire spark gap on tester at this setting.)							
Carburetion	Single barrel float feed, with fixed high and adjustable low-speed jet, manual choke	IGNITION COIL OHMMETER TEST							
Float level setting	Between steps on gage 324891	Primary (Low Ohms) Secondary (High Ohms)							
Inlet needle seat	0.063 - 0.060 (1.60 - 1.52 mm) Use a 1/16 drill as gage.	0.1 ± 0.05 275 ± 50							
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 7" pitch, 3 blade plastic								
Propeller	Weedless - 6-1/4" dia x 6" pitch, 2 blades plastic								