

SPECIFICATIONS

	4.5	7.5
Models	J5RCS - Standard length J5RLCS - Long shaft	J8RCS - Standard length J8RLCS - Long shaft
POWERHEAD		
*Horsepower (B.I.A. - certified)	4.5 hp (3.35 kW) at 5000 rpm	7.5 hp (5.59 kW) at 5000 rpm
Full throttle operating range	4500 to 5500 rpm	4500 to 5500 rpm
Test tank rpm with test wheel	5100 rpm - Part No. 390123	4900 rpm - Part No. 390239
Idle rpm	600 rpm	650 rpm
Engine type	2-cylinder, 2 stroke cycle alternate firing	2-cylinder, 2 stroke cycle alternate firing
Bore and stroke	1.5625" (39.69 mm) bore x 1.375" (34.93 mm) stroke	1.9375" (49.21 mm) bore x 1.700" (43.18 mm) stroke
Piston displacement	5.28 cubic inches (86.58 cm ³)	10.0 cubic inches (163.9 cm ³)
Piston ring sets (2 per set)		
standard	Part Number 383920	Part Number 390082
0.030" oversize	Part Number 384312	Part Number 390083
Width of ring	0.0625-0.0615 in. (1.588 - 1.562 mm)	0.0625-0.0615 (1.588 - 1.562 mm)
Piston assembly		
standard	Part Number 390834	Part Number 390233
0.030" oversize	Part Number 390836	Part Number 390084
Crankshaft size		
top journal	0.751 - 0.7505 in. (19.075 - 19.063 mm)	0.87725 - 0.87225 (22.282 - 22.155 mm)
center journal	0.6690 - 0.6685 in. (16.993 - 16.980 mm)	0.81545 - 0.81045 (20.712 - 20.585 mm)
bottom journal	0.7502 - 0.7498 in. (19.055 - 19.045 mm)	0.7562 - 0.7498 (19.207 - 19.045 mm)
Crank pin size	0.6700 - 0.6695 (17.018 - 17.005 mm)	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, integral fuel pump	Single barrel float feed, with fixed high and adjustable low-speed jet, manual choke
Float level setting	Between steps on gage 324891	Use marks "2 thru 6 hp" on gauge 324891
Inlet needle seat	0.063 - 0.060 (1.60 - 1.52 mm) Use a .0625 drill as gage	
Fuel tank capacity	2.1 quarts (2.0 litres)	3 gallons (11.35 litres)
LOWER UNIT		
Cooling system	Combination positive displacement and centrifugal pump	Thermostatically controlled
Propeller gear ratio	13:29 (.448)	13:29 (.448)
Propeller	8-1/2" dia. x 7" pitch, 3 blade aluminum	8-1/2" dia x 9" pitch, 3 blade aluminum
MISCELLANEOUS		
Shift control	Forward, neutral, reverse	Forward, neutral, reverse
Speed control	Twist grip, synchronized throttle and spark	Twist grip, synchronized throttle and spark
Weight	Standard length - 51.5 lbs. (23.4 kg) Long shaft - 54.0 lbs. (24.5 kg)	Standard length - 56.0 lbs. (25.4 kg) Long shaft - 58.5 lbs. (26.5 kg)
Starter	Automatic rewind - nylon rope	Automatic rewind - nylon rope
IGNITION SYSTEM		
Ignition	Flywheel magneto, breakerless C.D.	Flywheel magneto, breakerless C.D.
Spark plug	AC-M40FFX Champion L77J4, - 14 mm	AC-M40FFX Champion L77J4, - 14 mm
Spark plug gap040 inch (1.0 mm)	.040 inch (1.0 mm)
Spark plug torque	17.5 - 20.5 foot-pounds (23.73 - 27.79 N.m)	17.5 - 20.5 foot-pounds (23.73 - 27.79 N.m)
Ignition Coil	No. 1 - Part No. 581997 No. 2 - Part No. 581998	Part No. 581997

IGNITION COIL TEST SPECIFICATIONS			**Use Model CD-1 Adapter Red test clip to orange/black Black test clip to orange	
Stevens Model ST-75			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	
Reverse Polarity (Switch Setting CD) 1.2				
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			Gap Index 50 (Coil must fire spark gap on tester at this setting.)	
Operating Amperage	Primary Resistance	Secondary Continuity	IGNITION COIL OHMMETER TEST	
1.4	0.1 Ohm OR LESS	5 Approx	Primary (Low Ohms)	Secondary (High Ohms)
			0.1 ± 0.05	275 ± 50