

SPECIFICATIONS

Model Numbers	6R76 - Standard length (15" transom) 6RL76 - 5" longer (20" transom)	Propeller drive pin	Part Number 307949, 3/16" x 1-25/64" stainless steel
*Horsepower (B.I.A. - certified)	6 hp at 4500 rpm	Propeller	8" diameter x 7" pitch, 3 blade
Full throttle operating range	4000 - 5000 rpm	Speed control	Twist-grip, synchronized throttle and spark
Tank test with test wheel	4500 rpm Part Number 379673	Gear shift control	Forward, neutral, and reverse
Engine type	2 cylinder, 2 cycle, alternate firing	Weight (without fuel tank)	Model 6R76 - 51 pounds Model 6RL76 - 52 pounds (Fuel tank weight 11 pounds net)
Bore and stroke	1-15/16" bore x 1-1/2" stroke	Fuel capacity	6 gallons
Piston displacement	8.84 cubic inches	Starter	Manual, self-rewinding
Piston ring sets (2 per set)		Ignition	Flywheel magneto
standard	Part Number 378432	Spark plug	AC-M44C, Champion J6J, - 14mm
.030 oversize	Part Number 384336	Spark plug gap	.030 inch
Diameter of ring	1.9375 in. (standard)	Spark plug torque	17-1/2 - 20-1/2 Foot-pounds
Width of ring	.0935 - .0925 in.	Breaker point gap	.020 inch
Lbs. compression recommended when compressed	2 to 4 lbs.	Condenser Capacity	Part Number 580321 .18 - .22 Mfd.
Piston less rings standard .030" oversize	Part Number 376994 Part Number 384335	Coil	Part No. 580971
Crankshaft size top journal	.8080 - .8075 in.	COIL TEST SPECIFICATIONS	
center journal	.8080 - .8075 in.	Stevens Tester Model ST-75	
bottom journal	.8080 - .8075 in.	Normal Polarity (Switch Setting Standard) 2.2	
Connecting rod crank pin	.6690 - .6685 in.	Stevens Tester Model M.A.-75 or M-80	
Carburetion	Single barrel, float feed, low-speed adjustment	Switch	Index Adjustment
Float level setting	Flush with rim of casting	B	22
Carburetor orifice plug	Hole size .052" Part Number 321108	Merc-O-Tronic	
Inlet needle seat	.053" to .050". Use a #55 drill as gage	Operating Amperage	Primary Resistance Min. - Max.
Cooling system	Centri-Matic (combination positive displacement and centrifugal pump) Thermostatically controlled	1.6	.5 - .7
Propeller gear ratio	12:25	Secondary Continuity Min. - Max.	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' above sea level.