

SPECIFICATIONS

Model Numbers	6502 - Standard length (15" transom) 6503 - 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 7-1/4" pitch, 2 blade (Lexan)	
Full throttle operating range	4000 - 5000 rpm	Speed control	Twist-grip, synchronized throttle and spark	
Tank test with test wheel	4000 rpm Part Number 380757	Gear shift control	Forward, neutral, and reverse	
Engine type	2 cylinder, 2 cycle, alternate firing	Weight (without fuel tank)	Model 6502 - 51 pounds Model 6503 - 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	Part Number 376994	Coil	Part No. 580971	
.030" oversize	Part Number 384335			
Crankshaft size top journal	.8080 - .8075 in.			
center journal	.8080 - .8075 in.			
bottom journal	.8080 - .8075 in.			
Connecting rod crank pin	.6690 - .6685 in.			
Carburetion	Single barrel, float feed, low-speed adjustment			
Float level setting	Flush with rim of casting			
Carburetor orifice plug	Hole size .044" Part Number 315140			
Inlet needle seat	.053" to .050". Use a #55 drill as gage			
Cooling system	Centri-Matic (combination positive displacement and centrifugal pump) Thermostatically controlled			
Propeller gear ratio	15:26			

COIL TEST SPECIFICATIONS

Old Stevens Tester				
Switch	Index Reading			
A	2.0 - 2.5			
New Stevens Tester Model No. M.A.-75				
Switch	Index Adjustment			
B	22			
Merc-O-Tronic				
Operating Amperage	Primary Resistance Min. - Max.	Secondary Continuity 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' above sea level.