

SPECIFICATIONS

Model Numbers	6102 - Standard length (15" transom) 6103 - 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			
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 6102 - 51 pounds Model 6103 - 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 (3 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	Part No. 580416 Coil Test Specifications -				
.030" oversize	Part Number 384335	Old Stevens Tester				
Crankshaft size		Switch	Index Reading			
top journal	.8080 - .8075 in.	A	2 - 2.5			
center journal	.8080 - .8075 in.	New Stevens Tester Model No. M.A.-75				
bottom journal	.8080 - .8075 in.	Switch	Index Adjustment			
Connecting rod crank pin	.6690 - .6685 in.	A	22			
Carburetion	Single barrel, float feed, low-speed adjustment	Merc-O-Tronic				
Float level setting	Flush with rim of casting	Operating Amperage	Primary Resistance Min. - Max.	Secondary Continuity Min. - Max.		
Carburetor orifice plug	Hole size .044"	1.4	.45 - .55	35 - 45		
Inlet needle seat	.053" to .050". Use a #55 drill as gage	Graham Tester Model 51				
Cooling system	Centri-Matic (combination positive displacement and centrifugal pump) Thermostatically controlled	Maximum Secondary	Maximum Primary	Coil Index	Minimum Coil Test	Gap Index
Propeller gear ratio	15:26	5500	1.2	75	33	70

*Horsepower established at sea level. Allow 2% reduction per 1000' above sea level.