

# SPECIFICATIONS

Model Numbers	6802 - Standard length (15" transom) 6803 - 5" longer (20" transom)	Propeller drive pin	Part Number 307949, 3/16" x 1-25/64" stainless steel
*Horsepower (O.B.C. - 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	Gear shift control	Forward, neutral, and reverse
Engine type	2 cylinder, 2 cycle, alternate firing	Weight (without fuel tank)	Model 6802 - 51 pounds Model 6803 - 52 pounds (Fuel tank weight 11 pounds net)
Bore and stroke	1-15/16" bore x 1-1/2" stroke	Fuel capacity	6 gallons, suction type tank
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-M42K, Champion J4J, Auto-Lite A21X - 14mm
.020" oversize	Part Number 378417	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.	Part No. 580416 Coil Test Specifications -	
Piston less rings		Old Stevens Tester	
standard	Part Number 376994	Switch	Index Reading
.020" oversize	Part Number 376427	A	2 - 2.5
Crankshaft size		New Stevens Tester Model No. M.A.-75	
top journal	.8085 - .8080 in.	Switch	Index Adjustment
center journal	.8080 - .8075 in.	A	24
bottom journal	.8085 - .8080 in.	Merc-O-Tronic	
Connecting rod	.6690 - .6685 in.	Operating Amperage	Primary Resistance Min. - Max.
crank pin		1.6	.45 - .55
Carburetion	Single barrel, float feed, low-speed adjustment		Secondary Continuity Min. - Max.
Float level setting	Flush with rim of casting		30 - 45
Carburetor orifice plug	Hole size .048"	Graham Tester Model 51	
Inlet needle seat	.053" to .050". Use a #55 drill as gage	Maximum Secondary	Maximum Primary
Cooling system	Centri-Matic (combination positive displacement and centrifugal pump) Thermostatically controlled	4000	1.2
Propeller gear ratio	15:26	Coil Index	75
		Minimum Coil Test	33
		Gap Index	75
		Condenser Capacity	Part Number 580321 .18 - .22 Mfd.

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