

# SPECIFICATIONS

<b>Model Numbers</b>		<b>Weight</b> (without fuel tank)	Model 85852 - 232 pounds Model 85853 - 236 pounds Model 85892 - 240-1/2 pounds Model 85893 - 246 pounds (Fuel tank weight - 11 pounds net)
85852	Manual Shift, Standard length	Fuel capacity	6 gallons, suction type tank
85853	Manual Shift, 5" longer	Electrical system	Alternating current generator
85892	Electric Shift, Standard length	Starter	Electric and emergency rope
85893	Electric Shift, 5" longer	Starter amp draw when cranking	Maximum 140 amp
<b>*Horsepower</b> (O.B.C.-certified)	85 hp at 5000 rpm	Ignition	CD Electronic Ignition System with Breaker Points
Full throttle operating range	4000 to 5000 rpm (5000 under Limited Conditions)	Spark plug	Champion L19V
Tank test with test wheel	4700 R.P.M.	Spark plug torque	17-1/2 - 20-1/2 foot-pounds
Engine type	90° V-type, 4 cylinder, 2 cycle	Breaker point gap	.010 inch
Bore and stroke	3-3/8" bore x 2-1/2" stroke	Carburetion	Twin barrel, down draft, float feed, low-speed adjustment, automatic thermo electric choke
Piston displacement	89.5 cubic inches	Float level setting	Remove carburetor cover and turn upside down, so that weight of float closes float needle. With float arms straight, float should be parallel with face of casting (approximately 1/4" from casting).
Piston ring sets (3 per set)		Carburetor orifice plug	Hole size .064"
standard	Part Number 380110	Inlet needle seat	.081" to .084". Use a #45 drill as gage
.020" oversize	Part Number 380111	Part No. 580688 Coil Test Specifications -	
.040" oversize	Part Number 380112	New Stevens Tester Model No. M.A. - 75	
Diameter of ring	3.375 in. (standard)		
Width of ring	.0935 - .0925 in.	Merc-O-Tronic with Capacitor Discharge Adapter Model 55-980	
Lbs. compression recommended when compressed	9.7 to 13.7 lbs.		
Piston less rings		Operating Amperage	Primary Resistance
standard	Part Number 380569	Min. - Max.	Min. - Max.
.020" oversize	Part Number 378814	.8 - 1.2	22.5 - 25.0
.040" oversize	Part Number 378815		
Crankshaft size		Graham Tester Model 51	
top journal	1.2658 - 1.2653 in.	Suggested test specifications for Coil #580688	
center journal	1.3752 - 1.3748 in.	Secondary Continuity	3,000 ohms max.
bottom journal	1.1815 - 1.1810 in.	Primary Continuity	1.2 ohms max.
Connecting rod crank pin	1.1828 - 1.1823	Coil Index	60
Cooling system	Thermostatically controlled recirculating system	Coil Test (Normal)	9 minimum
Propeller gear ratio	20:23	Coil Test (Amplified)	80 minimum
Propeller drive pin - standard	Part #307217, 9/32" x 2-5/32", stainless steel	Gap Index	50 maximum
Propeller standard	10-1/4" diameter x 10" pitch		
Propeller options	9-1/2" diameter x 10" pitch 10" diameter x 9-1/4" pitch 10" diameter x 11" pitch 10" diameter x 12" pitch		
Speed control	Remote control only		
Gear shift control	Forward, neutral, and reverse - Speedifour - Manual or remote control Starlite - Selectric push-button remote control		

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