

SPECIFICATIONS

Model Numbers	85ESL70 (20" transom)	
*Horsepower (B.I.A.-certified)	85 hp at 5000 rpm	
Full throttle operating range	4500 to 5500 rpm	
Tank test with test wheel	4800 rpm	
Engine type	90° V-type, 4-cylinder, 2 cycle	
Bore and stroke	3.375" bore x 2.588" stroke	
Piston displacement	92.6 cubic inches	
Piston ring sets (3 per set) standard	Part Number 382825	
.020" oversize	Part Number 382826	
.040" oversize	Part Number 382827	
Diameter of ring	3.375 in. (standard)	
Width of ring093 in.	
Piston ring lbs. compression recommended when compressed	9.7 to 14.5 lbs.	
Piston less rings		
Standard	Part Number 383674	
.020" oversize	Part Number 383697	
.040" oversize	Part Number 383698	
Crankshaft size		
Top journal	1.4980 - 1.4975 in.	
Center journals	1.3752 - 1.3748 in.	
Bottom journal	1.1815 - 1.1810 in.	
Connecting rod crank pin	1.1828 - 1.1823 in.	
Carburetion	2 carburetors - Float feed with low-speed adjustment Automatic, manual lever and remote control choke	
Float level setting	Remove float bowl, turn carburetor upside down so weight of float closes needle; float should now be parallel to gasket surface.	
Carburetor orifice plug	Part Number 315321 Hole size .056	
Inlet needle seat065 - .062 Use a #52 drill as gage	
Cooling system	Thermostatically controlled recirculating system	
Propeller gear ratio	13:26	
Propeller supplied		
with motor	Aluminum 3 blade, 13-1/4" dia. x 17" pitch	
Alternate propellers	Aluminum 3 blade, 14" dia. x 9" pitch	
	Aluminum 3 blade, 14" dia. x 11" pitch	
	Aluminum 3 blade, 14" dia. x 13" pitch	
	Aluminum 3 blade, 13-3/4" dia. x 15" pitch	
	Aluminum 3 blade, 13" dia. x 19" pitch	
	Aluminum 3 blade, 12-3/4" dia. x 21" pitch	
	Bronze 3 blade, 13" dia. x 19" pitch	
	Bronze 2 blade, 13-3/4" dia. x 21" pitch	
	Bronze 2 blade cupped, 13-3/4" dia. x 21" pitch	
	Bronze 2 blade cupped, 13-3/4" dia. x 23" pitch	
Speed control	Remote control - synchronized throttle and spark	
Gear shift control	Hydro-Electric - forward neutral, reverse - remote control	
Shift solenoids	5-6 ohms (10 ohms scale)	
Weight (without fuel tank).	252 lbs. (Fuel tank weight 11 lbs. net)	
Fuel capacity	6 gallons	
Starter	Electric and emergency rope	
Electrical system	9 amp flywheel alternator	
Starter amp draw when cranking	185 amperes maximum	
Ignition (CD with breaker points)	Battery - Power Pulse	
Spark plug	AC V4OFF or Champion L-19V	
Spark plug torque	17-1/2 - 20-1/2 foot-pounds	
Breaker point gap010 in.	
Breaker point spring tension	28 - 32 oz.	
Part No. 580740 Coil Test Specifications - New Stevens Tester Model No. M.A. - 75 **Use Model CD-1 Adapter		
Switch	Coil	Index Adjustment
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