

SPECIFICATIONS

Model Numbers	85ESL73 (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	
Part Number 382861	4800 rpm
Engine type	90° V-type, 4 cylinder, 2 cycle
Bore and stroke	3-3/8" bore x 2-19/32" stroke
Piston displacement	92.6 cubic inches
Piston ring sets (3 per set) standard	Part Number 385664
.020" oversize	Part Number 385665
.030" oversize	Part Number 385666
Diameter of ring	3.375 in. (standard)
Width of ring (upper)0900 - .0895 in.
(lower)0615 - .0625 in.
Piston ring lbs. compression recommended	
when compressed (upper)	1.0 - 3.0 lbs.
(lower)	3.3 - 4.9 lbs.
Piston less rings	
Standard	Part Number 385478
.020" oversize	Part Number 385571
.030" oversize	Part Number 385572
Crankshaft size	
Top journal	1.6204 - 1.6199
Center journals	1.3752 - 1.3748
Bottom journal	1.3784 - 1.3779
Connecting rod crank pin	1.1828 - 1.1823
Carburetion	2 carburetors - Float feed with fixed high and low-speed 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 high speed orifice plug	Part Number 317021 Hole size .057 in.
Carburetor low speed orifice plug	Part Number 317474 Hole size .027 in.
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 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
	Aluminum 3 blade, 12-3/4" dia. x 23" 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
	Stainless steel 3 blade, 13-3/4" dia. x 15" pitch
	Stainless steel 3 blade, 13-3/8" dia. x 17" pitch
	Stainless steel 3 blade, 13" dia. x 19" pitch
	Stainless steel 3 blade, 12-3/4" dia. x 21" pitch
	Stainless steel 3 blade, 12-3/4" dia. x 23" pitch
Speed control	Remote control - Synchronized throttle and spark
Gear shift control. POWERSHIFT II - forward, neutral, reverse - remote control	
Weight (without fuel tank)	262 lbs.
	(Fuel tank weight 11 lbs. net)
Fuel capacity6 gallons
Starter	Electric and emergency rope
Starter amp draw when cranking (Prestolite)	180 amps maximum
	(Bosch). 160 amps maximum
Starter RPM	200 RPM for ignition
Generator system	6 ampere flywheel alternator
Ignition (Magneto breakerless C.D.)	Power Pack
Spark plug	Champion UL-77V
Spark plug torque	17-1/2" - 20-1/2" foot-pounds
Sensor air gap.Fixed

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