

SPECIFICATIONS

Model Numbers	100193 (20" transom)
*Horsepower (B.I.A.-certified)	100 hp at 5000 rpm
Full throttle operating range	4500 to 5500 rpm
Tank test with test wheel Part Number 384199	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 382825
.020" oversize	Part Number 382826
.030" oversize	Part Number 384384
Diameter of ring	3.375 in. (standard)
Width of ring	.0935 - .0925 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
.030" oversize	Part Number 384383
Crankshaft size	
Top journal	1.4980 - 1.4975
Center journals	1.3752 - 1.3748
Bottom journal	1.1815 - 1.1810
Connecting rod crank pin	1.1828 - 1.1823
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 314893 Hole size .058 in.
Inlet needle seat	.065 - .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" 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 23" 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 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	Electro-hydraulic 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 electronic with breaker points)	Battery
Spark plug	Champion L-77V
Spark plug torque	17-1/2" - 20-1/2" foot-pounds
Breaker point gap	.010 in.
Breaker point spring tension	28 - 32 oz.

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