

## SPECIFICATIONS

Model Numbers . . . . .	100293 (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 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 317607 Hole size .062 in.
Carburetor low speed orifice plug . . . . .	Part Number 317474 Hole size .027 in.
Inlet needle seat . . . . .	.065 - .062 Use a #52 drill as gage
Cooling system . . . . .	Thermostatically controlled re- circulating 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" 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 Stainless steel 3 blade, 13-3/8" dia. x 17" 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
Ignition (CD Breakerless) . . . . .	Battery - Power Pulse
Spark plug . . . . .	ACV40FFM or Champion L-77V
Spark plug torque . . . . .	17-1/2" - 20-1/2" foot-pounds
Sensor air gap . . . . .	.028 in.

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