SPECIFICATIONS

Model Numbers . . . . . 200649 (20" transom)
200640 (25" transom)
*Horsepower (B.I.A.-certified) . . . . . 200 hp at 5250 rpm
Full throttle operating range . . . . . 4750 to 5750 rpm
Tank test with test wheel part number 387388 . . . . . 4800 rpm
Engine type . . . . . 90° V-type, 6 cylinder, 2 cycle
Bore and stroke . . . . . 3.500" bore x 2.588" stroke
Piston displacement . . . . . 149.4 cubic inches
Piston ring sets (2 per set) standard
.020" oversize
.030" oversize
Diameter of ring . . . . . 3.500 in. (standard)
Width of ring (upper) . . . . . .0895 - .0900 in.
(lower) . . . . . .0615 - .0625 in.
Piston less rings
Standard
.020" oversize
.030" oversize
Crankshaft size
Top journal . . . . . 1.6204 - 1.6199
Center journals . . . . . 2.1875 - 2.1870
Bottom journal . . . . . 1.3784 - 1.3779
Connecting rod crank pin . . . . . 1.3762 - 1.3757
Carburetion . . . . . 3 carburetors - Float feed with fixed high and low-speed jets, 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 321731 Hole Size .058 in.
Carburetor low speed orifice plug . . . . . Part Number 318823 Hole Size .031
Inlet needle seat . . . . . .0745 - .0715
Use a #50 drill as gage
Cooling system . . . . . Thermostatically controlled recirculating system
Propeller gear ratio 14:26
Gearcase lubricant capacity . . . 44.0 ozs. (1300 cc)
Propeller supplied with motor. †Aluminum 3 blade, 14-1/2" dia. x 19" pitch
**Alternate propellers . . . . . †Aluminum 3 blade, 15-3/4" dia. x 13" pitch
Aluminum 3 blade, 15-1/2" dia. x 15" pitch
†Aluminum 3 blade, 15" dia. x 17" pitch
†Aluminum 3 blade, 14-1/4" dia. x 21" pitch
Aluminum 3 blade, 14-1/2" dia. x 23" pitch
Propeller nut size . . . . . 1-1/4"
Speed control . . . . . Remote control - synchronized throttle and spark
Gear shift control . . . . . POWER PILOT - forward, neutral, reverse - remote control
Weight (without fuel tank)
Model 200649 . . . . . 377 lbs.
Model 200640 . . . . . 381 lbs.
(Fuel tank weight 11 lbs. net)
Fuel tank supplied with motor capacity . . . 6 gallons
Starter . . . . . Electric and emergency rope
Starter amp draw when cranking . . . . . 200 amps maximum
Starter RPM . . . . . 200 RPM for ignition
Generator system . . . . . Flywheel alternator
Fuse . . . . . Littlefuse 1 A.G. - 20 amp or Buss A.G. 20 amp (located on port side of motor in wire terminal area)
Igniton (Magneto breakerless C.D.) . . . . . Two Power Packs
Timing . . . . . 28° @4300-4600 RPM in gear
Spark plug . . . . . Champion UL-77V
Spark plug torque . . . 17-1/2" - 20-1/2" foot-pounds
Sensor air gap . . . . . Fixed
Ignition Coils . . . . . Part Number 581503

*Horsepower established at sea level. Allow 2% reduction per 1000' above sea level.
**Propeller supplied with motor may be exchanged for any one of the options of equal value if new and unused.
†Optional SST propellers available at extra cost.

NOTE

The recommended full power operating range for your outboard motor is from 4750 - 5750 R.P.M. In order to get the best performance from your outboard the upper end of this range, from 5250 - 5750 R.P.M., is the engine speed to use in selecting the proper propeller. The R.P.M. should be measured with your expected average load in the boat.

IGNITION COIL TEST SPECIFICATIONS

Stevens Model ST-75		
Reverse Polarity (Switch Setting CD) 1.9		
Stevens Tester Model M.A.-75 or M.A.-80		
Switch **A	Coil 581503	Index Adjustment 20
**Use Model CD-1 Adapter Red test clip to orange/black Black test clip to orange		
Merc-O-Tronic with Capacitor Discharge Adapter Model 55-980		
Operating Amperage	Primary Resistance	Secondary Continuity
Min. - Max.	Min. - Max.	Min. - Max.
1.9	.1 Ohm	8 - 20

Graham Tester Model 51
Maximum Secondary . . . . . 3,000 ohms
Maximum Primary . . . . . 0.6 ohm
Coil Index 50
Coil Test Minimum AMPLIFIED . . . . . 27 (With secondary circuit "open.")
Hi tension lead disconnected
Gap Index . . . . . 50 (Coil must fire spark gap on tester at this setting.)