

SPECIFICATIONS

Models 175TL77 & 200TL77 (Long Shaft) 20"
(508 mm) transom
Models 175TXL77 & 200TXL77. (Extra long shaft)
25" (635 mm) transom
Powerhead Six cylinder - two cycle
Bore & stroke. .3.500" x 2.588" (88.90 x 65.74 mm)
Piston displacement 149.4 cu. in. (2448 cm³)
*Horsepower 175 B.I.A. Certified brake hp at
5000 rpm
200 B.I.A. Certified brake hp at 5250 rpm
Full throttle operating
range 175 hp 4500 to 5500 rpm
200 hp 4750 to 5750 rpm



NOTE

The upper end of this full power operating range is the recommended engine speed to use in selecting the proper propeller. The R.P.M. should be measured with the expected average load in the boat.

Tank test with test wheel
part no. 387388 175 hp - 4750 rpm
200 hp - 4800 rpm
Engine type 90° V-type, 6 cylinder, 2 cycle
Piston ring sets (2 per set) standard
.020" oversize
.030" oversize
Diameter of ring . . .3.500" (88.90 mm) (standard)
Width of ring
(upper) . . . 0.0895" - 0.0900" (2.273 - 2.286 mm)
(lower) . . . 0.0615" - 0.0625" (1.562 - 1.587 mm)
Piston less rings
Standard
.020" oversize
.030" oversize
Crankshaft size
Top journal 1.6204" - 1.6199"
41.158 - 41.145 mm)
Center journals 2.1875" - 2.1870"
(55.563 - 55.550 mm)
Bottom journal. 1.3784" - 1.3779"
(35.011 - 34.999 mm)
Connecting rod crank pin. . . . 1.3762" - 1.3757"
(34.955 - 34.943 mm)
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 175 hp Part No. 321731
Hole size 0.058" (1.47 mm)
200 hp Part No. 320661
Hole size .061 (1.55 mm)

Carburetor low speed orifice
plug 175 & 200 hp Part No. 317473
Hole size 0.030" (0.76 mm)
Inlet needle seat 0.0745" - 0.0715" (1.892 -
1.816 mm) Use a #50 drill as gage
Cooling system Thermostatically controlled
recirculating system
Propeller gear ratio 14:26
Gearcase lubricant
capacity 44.0 ozs. (1300 mL)
**Propeller 175 hp †3 blade 14-1/2" dia. by
19" pitch
200 hp †3 blade 14-1/4" dia. by 21" pitch
Optional aluminum propellers 3 blade
(see propeller 15-3/4" dia. by 13" pitch
selection chart supplied in 3 blade 15-1/2"
owner's kit) dia. by 15" pitch
†3 blade 15" dia. by 17" pitch
3 blade 14-1/2" dia. by 23" pitch
†3 blade SSTR high performance 14-1/2" dia. by
24" pitch
†3 blade SSTR high performance 14-1/2" dia.
by 26" pitch
†3 blade SSTR high performance 15" dia. by 28"
pitch
Propeller nut socket
wrench size 1-1/4"
Speed control Remote control -
synchronized throttle and spark
Gear shift control Forward, neutral,
reverse - remote control
Weight (without fuel
tank) . Long shaft 20" (508 mm) transom 385 lbs.
(174.6 kg)
Extra long shaft 25" (635 mm) transom 391 lbs.
(177.4 kg)
Fuel tank
weight 10 lbs. net (4.5 kg)
Fuel tank supplied with
motor capacity 6 gallons (22.7 litres)
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)
Ignition (magneto breakerless
C.D.) Two Power Packs
Timing 28° @ 4300-4600 rpm in gear
4-6° @ pickup point
Spark plug Champion UL-77V
Spark plug torque 17-1/2" - 20-1/2" foot-
pounds (24 - 27 N·m)
Sensor air gap Fixed
Ignition coils Part No. 581764

*Horsepower established at sea level. Allow 2% reduction per 1000' (300 m) above sea level.

**Propeller furnished with motor may be exchanged for any one of the options of equal value if new and unused.

†Optional SST and SSTR Stainless Steel propellers available at extra cost.

IGNITION COIL OHMMETER TEST

Primary Low Ohms	Secondary High Ohms
.1 ± .05	1,300 ± 200