

SPECIFICATIONS

Models 175849, 200849 &
235849 (Long Shaft) 20" (508 mm) transom
Models 175840, 200840 &
235840 . . (Extra long shaft) 25" (635 mm) transom
Powerhead Six cylinder - two stroke 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
235 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
235 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 rpm should be measured with the expected average load in the boat.

Idle rpm . . . 900 rpm in neutral, 650 rpm in gear
Tank test with test wheel
part no. 387388 175 hp - 4750 rpm
200 hp - 4800 rpm
235 hp - 4800 rpm

Engine type 90° V-type, 6 cylinder, 2 cycle
Piston ring sets (2 per set) standard
0.020" oversize
0.030" 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 - 1.588 mm)

Piston less rings
Standard
0.020" oversize
0.030" 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 0.061" (1.55 mm)
235 hp Part No. 317183
Hole size 0.067" (1.70 mm)

Carburetor low speed orifice
plug 175 hp Part No. 320016
Hole size 0.032" (0.81 mm)

Carburetor low speed orifice
plug (cont) 200 hp Part No. 318823
Hole size 0.031" (0.79 mm)
235 hp #1-Part No. 317473
Hole size 0.030" (0.76 mm)
#2 & 3-Part No. 320015
Hole size 0.033" (0.84 mm)
#4-Part No. 320016
Hole size 0.032" (0.81 mm)
#5 & 6-Part No. 318823
Hole size 0.031" (0.79 mm)

Inlet needle seat 0.0745" - 0.0715" (1.892 -
1.816 mm) Use a #50 drill as gage
Cooling system . . . Pressure and 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 & 235 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)
175 & 200 hp Long shaft. 20" (508 mm)
transom 385 lbs. (174.6 kg)

235 hp Long shaft 406 lbs. (184.2 kg)
175 & 200 hp Extra long shaft 25" (635 mm)
transom 391 lbs. (177.4 kg)

235 hp Extra long shaft 411 lbs. (186.4 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)