

SPECIFICATIONS

Model Numbers *70EL78
(508 mm) transom

*Horsepower (B.I.A.-certified) 70 hp at
5000 rpm

Full throttle operating range. . . 4500 to 5500 rpm



NOTE

The recommended full power operating range for the 70 hp outboard motor is from 4500 - 5000 rpm. In order to get the best performance from your outboard the upper end of this range, from 5000 - 5500 rpm is the engine speed to use in selecting the proper propeller. The rpm should be measured with your expected average load in the boat.

Tank test with test wheel
Part Number 386665 5000 rpm

Model Numbers . . . 75ER78 15" (381 mm) transom
75ELR78 20" (508 mm) transom

*Horsepower (B.I.A.-certified) 75 hp at
5500 rpm

Full throttle operating range. . . 5200 to 5800 rpm

Tank test with test wheel Part Number
386950 (standard length) 5200 rpm



NOTE

The recommended full power operating range for the 75 hp outboard motor is from 5200 - 5800 rpm. In order to get the best performance from your outboard the upper end of this range, from 5200 - 5800 rpm, is the engine speed to use in selecting the proper propeller. The rpm should be measured with your expected average load in the boat.

Tank test with test wheel Part Number
386665 (long shaft) 5200 rpm

COMMON SPECIFICATIONS

Idle speed Neutral - 1000 - 1100 rpm
Forward gear - 750 rpm

Engine type 2 cycle, 3 cylinders in line

Bore and stroke 3" bore x 2-11/32" (76.20 x
59.53 mm) stroke

Piston displacement 49.7 cubic inches
(814 cm³)

Piston ring sets (2 per set)
standard Part Number 385807
0.020" oversize. Part Number 385808
0.030" oversize. Part Number 385809

Diameter of ring. . 3.000 in. (76.20 mm) (standard)

Width of ring Upper, 0.0900 - 0.0895 in.
(2.286 - 2.273 mm)
Lower, 0.0625 - 0.0615 in. (1.588 - 1.562 mm)

Piston with rings
Standard Part Number 385877
0.020" oversize. Part Number 385878
0.030" oversize,
without rings Part Number 385873

Crankshaft size
Top journal. 1.4979 - 1.4974 in.
(38.047 - 38.034 mm)
Center journals 1.3752 - 1.3748 in.
(34.930 - 34.920 mm)
Bottom journal 1.1815 - 1.1810 in.
(30.010 - 29.997 mm)

Connecting rod crank pin 1.1828 - 1.1823 in.
(30.043 - 30.030 mm)

Carburetion 3 carburetors - Float feed.
Manual lever and remote control choke

Float level setting Remove float bowl, turn it
upside down so weight of float closes needle;
float should now be parallel to and 1/16"
above surface of gasket

Carburetor orifice plug (high speed
70 hp) Part Number 321407 - Hole size
0.054" (1.37 mm)

Carburetor orifice plug (high speed
75 hp) Part Number 320921 - Hole size
0.055" (1.40 mm)

Carburetor orifice plug (low speed
70 hp) Part Number 320016 - Hole size
0.032" (0.81 mm)

Carburetor orifice plug (low speed
75 hp) Part Number 320016 - Hole size
0.032" (0.81 mm)

Inlet needle seat. . 0.065 - 0.062 (1.65 - 1.57 mm)
Use a #52 drill as gage.

Cooling system Pressure and Thermo-
statically controlled system

Propeller gear ratio
Standard length 15:28
Long shaft 12:29

Propeller supplied with 70 hp
motor (Aluminum) 3 blade, 13-1/4" dia. x
17" pitch

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