

**SPECIFICATIONS**

Model Numbers . . . . .	75542 (standard length) 75543 (5" longer)
*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
Tank test with test wheel Part Number 386665 (long shaft) . . . . .	5000 rpm
Engine type . . . . .	2 cycle, 3 cylinders in line
Bore and stroke . . . . .	3" bore x 2-11/32" stroke
Piston displacement . . . . .	49.7 cubic inches
Piston ring sets (2 per set) standard . . . . .	Part Number 385807
.020" oversize . . . . .	Part Number 385808
.030" oversize . . . . .	Part Number 385809
Diameter of ring . . . . .	3.000 in. (standard)
Width of ring . . . . .	Upper, .0900 - .0895 in. Lower, .0625 - .0615 in.
Piston ring lbs. compression recommended when compressed . . . . .	Upper, 1.0 to 3.0 lbs. Lower, 4 to 8 lbs.
<b>Piston with rings</b>	
Standard . . . . .	Part Number 385877
.020" oversize . . . . .	Part Number 385878
.030" oversize, without rings . . . . .	Part Number 385873
<b>Crankshaft size</b>	
Top journal . . . . .	1.4979 - 1.4974 in.
Center journals . . . . .	1.3752 - 1.3748 in.
Bottom journal . . . . .	1.1815 - 1.1810 in.
Connecting rod crank pin . . . . .	1.1828 - 1.1823 in.
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) . . . . .	Part Number 319907 - Hole size .061"
Carburetor orifice plug (low speed) . . . . .	Part Number 317474 - Hole size .027"
Inlet needle seat . . . . .	.065 - .062 Use a #52 drill as gage.
Cooling system . . . . .	Pressure and Thermostatically controlled system
<b>Propeller gear ratio</b>	
Standard length . . . . .	15:28
Long shaft . . . . .	12:29
Propeller supplied with motor - standard length . . . . .	3 blade 11-3/4" dia. by 17" pitch
Optional aluminum propellers . . . . .	3 blade 13" dia. by 11" pitch 3 blade 12-1/2" dia. by 13" pitch 3 blade 12-1/4" dia. by 15" pitch 3 blade 11-1/2" dia. by 19" pitch
Propeller supplied with motor - long shaft . . . . .	3 blade 13" dia. by 19" pitch
Optional aluminum propellers . . . . .	3 blade 14" dia. by 9" pitch 3 blade 14" dia. by 11" pitch 3 blade 14" dia. by 13" pitch 3 blade 13-3/4" dia. by 15" pitch 3 blade 13-1/4" dia. by 17" pitch 3 blade 12-3/4" dia. by 21" pitch 3 blade 12-3/4" dia. by 23" pitch
Speed control . . . . .	Remote control - synchronized throttle and spark
Gear shift control . . . . .	POWER PILOT - forward, neutral, reverse - remote control
Weight (without fuel tank) . . . . .	Standard length - 202 lbs. 5" longer - 220 lbs. (Fuel tank weight 11 lbs. net)
Fuel capacity . . . . .	6 gallons
Starter . . . . .	Electric and emergency rope
Electrical system . . . . .	6 amp alternating current generator
Starter amp draw when cranking . . . . .	American Bosch 120 amperes or Prestolite, 135 amperes
Ignition Magneto Breakerless CD . . . . .	Power Pack
Timing . . . . .	16° @ 4800 - 5200 rpm in gear
Spark plug . . . . .	Champion L77J4 or AC M40FFX
Spark plug gap . . . . .	.040"
Spark plug torque . . . . .	17-1/2 - 20-1/2 foot-pounds
Sensor Air Gap . . . . .	Fixed
Coil . . . . .	Part No. 580821

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

**NOTE**

The recommended full power operating range for your outboard motor is from 5200 - 5800 R.P.M. In order to get the best performance from your outboard the upper end of this range, from 5200 - 5800 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.

WATERCRAFT