

SPECIFICATIONS

Model Numbers	50572 (standard length) 50473 (5" longer) 50542 (standard length) 50443 (5" longer)
*Horsepower (B.I.A.-certified)	50 hp at 5500 rpm
Full throttle operating range	5000 to 6000 rpm
Tank test with test wheel Part No. 386950	5300 rpm
Engine type	2 cycle, 2 cylinders in line
Bore and stroke	3.060 (3-1/16) bore x 2.820 (2-13/16) stroke
Piston displacement	41.5 cubic inches
Piston ring sets (2 per set) standard	Part Number 385798
.030" oversize	Part Number 385799
Diameter of ring	3.060 in. (standard)
Width of ring	
Upper, Part Number 318411	.0900 - .0895 in.
Lower, Part Number 318412	.0625 - .0615 in.
Piston ring lbs. compression recommended when compressed	
Upper	1.0 to 3.0 lbs.
Lower	4.0 to 8.0 lbs.
Piston without rings	
Standard	Part Number 386094
.030" oversize	Part Number 386097
Crankshaft size	
Top journal	1.4979 - 1.4974 in.
Center journal	1.3752 - 1.3748 in.
Bottom journal	1.1815 - 1.1810 in.
Connecting rod crank pin	1.1828 - 1.1823 in.
Carburetion	2 carburetors - Float feed with low-speed adjustment. 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	Part Number 308977 - Hole size .058"
Inlet needle seat	.065 - .062 Use a #52 drill as gage.
Cooling system	Temperature and pressure controlled system
Propeller gear ratio	12:29
Propeller supplied with motor	(Aluminum) 3 blade, 12-1/4" dia. x 15" pitch
Alternate propellers	(Aluminum) 3 blade, 13" dia. x 11" pitch (Aluminum) 3 blade, 12-1/2" dia. x 13" pitch (Aluminum) 3 blade, 11-3/4" dia. x 17" pitch (Aluminum) 3 blade, 11-1/2" dia. x 19" pitch
Speed control	Remote control-synchronized throttle and spark
Gear shift control	Power Pilot - forward neutral, reverse - remote control
Weight (without fuel tank)	Standard - 180 lbs., Long - 187 lbs. (Fuel tank weight 11 lbs. net)
Fuel capacity	6 gallons
Starter	Electric with emergency rope
Electrical system	6 amp alternating current generator
Starter amp draw when cranking	
(Prestolite)	135 amperes maximum
(Bosch)	110 amperes maximum
Ignition (Magneto breakerless C.D.)	Power Pack
Timing	19° @ 3500 minimum rpm in gear
Spark plug	Champion L77J4 or AC M40FFX
Spark plug torque	17-1/2 - 20-1/2 foot-pounds
Spark plug gap	.040"
Sensor air gap	Fixed
Coil	Part No. 580821

NOTE

The recommended full power operating range for your outboard motor is from 5000 - 6000 R.P.M. In order to get the best performance from your outboard the upper end of this range, from 5500 - 6000 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.