

SPECIFICATIONS

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| Model Numbers | 50472 (standard length) 50473 (5" longer) 50442 (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. 384769 | 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. Automatic, thermo electric, manual lever and remote control choke (electric only) |
| 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 | Thermostatically controlled recirculating system |
| Propeller gear ratio | 12:32 |
| Propeller supplied with motor | (Aluminum) 3 blade, 13-3/4" dia. x 15" pitch |
| Alternate propellers | (Aluminum) 3 blade, 14" dia. x 9" pitch (Aluminum) 3 blade, 14" dia. x 11" pitch (Aluminum) 3 blade, 14" dia. x 13" pitch (Aluminum) 3 blade, 13-1/4" dia. x 17" pitch (Aluminum) 3 blade, 13" dia. x 19" pitch (Aluminum) 3 blade, 12-3/4" dia. x 21" pitch (Aluminum) 3 blade, 12-3/4" dia. x 23" pitch (Bronze) 2 blade, 13-3/4" dia. x 21" pitch (Bronze) 2 blade cupped, 13-3/4" dia. x 21" pitch (Bronze) 2 blade cupped, 13-3/4" dia. x 23" pitch (Stainless Steel) 3 blade, 13-3/4" dia. x 15" pitch (Stainless Steel) 3 blade, 13-1/4" dia. x 17" pitch (Stainless Steel) 3 blade, 13" dia. x 19" pitch (Stainless Steel) 3 blade, 12-3/4" dia. x 21" pitch (Stainless Steel) 3 blade, 12-3/4" dia. x 23" pitch |
| Speed control | Remote control-synchronized throttle and spark |
| Gear shift control | Power Pilot - forward neutral, reverse - remote control |
| Weight (without fuel tank) | Model 50472 - 187 lbs., Model 50473 - 192 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 |
| Spark plug | Champion UL-77V |
| Spark plug torque | 17-1/2 - 20-1/2 foot-pounds |
| 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.

WATERCRAFTMAN