

SPECIFICATIONS

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| Model Numbers | 115693 (20" transom) |
| *Horsepower (B.I.A.-certified) | 115 hp at 5000 rpm |
| Full throttle operating range | 4500 to 5500 rpm |
| Tank test with test wheel | |
| Part Number 384933 | 4800 rpm |
| Engine type | 90° V-type, 4 cylinder, 2 cycle |
| Bore and stroke | 3-1/2" bore x 2-19/32" stroke |
| Piston displacement | 99.6 cubic inches |
| Piston ring sets (3 per set) standard | Part Number 385661 |
| .020" oversize | Part Number 385662 |
| .030" oversize | Part Number 385663 |
| Diameter of ring | 3.500 in. (standard) |
| Width of ring (upper) | .0895 - .0900 in. |
| (lower) | .0615 - .0625 in. |
| Piston ring lbs. compression recommended | |
| when compressed (upper) | 1.0 - 3.0 lbs. |
| (lower) | 3.3 - 4.9 lbs. |
| Piston less rings | |
| Standard | Part Number 386300 |
| .020" oversize | Part Number 386330 |
| .030" oversize | Part Number 386329 |
| Crankshaft size | |
| Top journal | 1.6204 - 1.6199 |
| Center journals | 1.3752 - 1.3748 |
| Bottom journal | 1.3784 - 1.3779 |
| Connecting rod crank pin | 1.3762 - 1.3757 |
| Carburetion | 2 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 | Part Number 321559 Hole size .063 in. |
| Carburetor low speed | |
| orifice plug | Part Number 317473 Hole size .030 in. |
| Inlet needle seat | .065 - .062 Use a #52 drill as gage |
| Cooling system | Thermostatically controlled recirculating system |
| Propeller gear ratio | 13:26 |
| Propeller supplied | |
| with motor | Aluminum 3 blade, 13" dia. x 19" pitch |
| Alternate propellers | Aluminum 3 blade, 14" dia. x 11" pitch |
| | Aluminum 3 blade, 14" dia. x 13" pitch |
| | Aluminum 3 blade, 13-3/4" dia. x 15" pitch |
| | Aluminum 3 blade, 13-1/4" dia. x 17" 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 | POWERPILOT - forward, neutral, reverse - remote control |
| Weight (without fuel tank) | 269 lbs. |
| | (Fuel tank weight 11 lbs. net) |
| Fuel capacity | 6 gallons |
| Starter | Electric and emergency rope |
| Starter amp draw when cranking (Prestolite) | 180 amps maximum |
| | (Bosch) 160 amps maximum |
| Starter RPM | 250 RPM for ignition |
| Generator system | 6 ampere flywheel alternator |
| Ignition (Magneto breakerless C.D.) | Power Pack |
| Timing | 24° @ 4300-4600 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 |
| Ignition Coil | Part Number 581610 |

*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 4500 - 5500 R.P.M. In order to get the best performance from your outboard the upper end of this range, from 5000 - 5500 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 MANUALS