

INTRODUCTION
SERVICE SPECIFICATIONS

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| | HP | 250 H | 300 | |
|--|---|--|----------------------------------|--|
| | Full Throttle Operating Range | 4500–6000 RPM | 5000–6000 RPM | |
| | Power | 250 HP (187 kw) @ 5250 RPM | 300 HP (234 kw) @ 5500 RPM | |
| | Idle RPM in Gear | 500 ± 50 | | |
| | Test Propeller | Standard Rotation Models: P/N 436080 or P/N 396277 Counter Rotation Models: P/N 436081 or P/N 398674 | | |
| | Weight (may vary depending on model) | 20 in. (L) Models: 507 lbs. (230 kg) 25 in. (X) Models: 528 lbs. (239 kg) 30 in. (Z) Models: 534 lbs. (242 kg) | | |
| ENGINE | Lubrication | <i>Evinrude/Johnson XD100 Oil</i> Refer to Oil Requirements on p. 65 | | |
| | Engine Type | 90° V 6-Cylinder Loop-Charged | | |
| | Displacement | 210.0 cu. in. (3441 cc) | | |
| | Bore | 3.854 in (97.89 mm) | | |
| | Stroke | 3.000 in. (76.20 mm) | | |
| | Standard Bore | 3.8535 to 3.8545 in. (97.87 to 97.90 mm) To bore oversize, add piston oversize dimension to standard bore | | |
| | Top Crankshaft Journal | 1.6199 to 1.6204 in. (41.15 to 41.16 mm) | | |
| | Center Crankshaft Journals | 2.1870 to 2.1875 in. (55.55 to 55.56 mm) | | |
| | Bottom Crankshaft Journal | 1.5747 to 1.5752 in. (40.0 to 40.01 mm) | | |
| | Rod Crankpin | 1.4995 to 1.5000 in. (38.09 to 38.106 mm) | | |
| | Piston Ring End Gap, Both | 0.022 to 0.028 in. (0.57 to 0.72 mm) | | |
| | FUEL | Fuel/Oil Ratio | <i>EMM</i> Controlled | |
| | | Starting Enrichment | <i>EMM</i> Controlled | |
| | | Preferred Fuel | Regular unleaded gasoline | |
| Acceptable Fuel | | See Fuel Requirements on p. 64 for additional information. | | |
| Minimum (High) Fuel Pressure @ IDLE RPM – 500 ± 50 | | 22 to 28 psi (152 to 193 kPa) | | |
| Minimum Fuel Lift Pump Pressure @ IDLE RPM – 500 ± 50 | | 3 psi (21 kPa) | | |
| Maximum Fuel Inlet Vacuum | | 4 in. Hg. (13.5 kPa) | | |
| Minimum Octane | | 87 AKI (R+M)/2 or 90 RON | | |
| Additives | | <i>2+4[®] Fuel Conditioner, Fuel System Cleaner</i> Use of other additives may result in engine damage. See Fuel Requirements on p. 64 for additional information. | | |

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| ELECTRICAL | Minimum Battery Requirements | 675 CCA (845 MCA); or 750 CCA (940 MCA) below 32°F (0°C) (Use a 107 amp-hr battery for extreme applications.) | |
| | Alternator | Dual Voltage 50 Amp with Voltage Regulator and Battery Isolation | |
| | Tachometer Setting | 6 pulse (12 pole) | |
| | Charging Isolator | Integral, Terminal on Engine Harness | |
| | Engine Fuses | P/N 967545 – 10 A | |
| COOLING | Thermostat | 143°F (62°C) | |
| | Maximum Temperature | 190°F (88°C) | |
| | Water pressure | 11 psi minimum @ 5000 RPM | |
| IGNITION | Type | Capacitor Discharge | |
| | Firing Order | 1-2-3-4-5-6 | |
| | Ignition Features | EMM Controlled | |
| | RPM Limit | 6050 | |
| | Crankshaft Position Sensor Air Gap | Fixed | |
| GEARCASE | Spark Plug | Refer to Emission Control Information Label Champion [†] QC8WEP @ 0.028 ± 0.003 in. (0.71 mm) | |
| | Gear Ratio | “M2” Type Gearcase: 13:24 (.542) (1.85:1) “L2” Type Gearcase: 14:24 (.583) (1.71:1) Refer to GEARCASE TYPES on p. 283 | |
| | Lubricant | HPF XR Gearcase Lubricant | |
| | Capacity | “M2” Type Gearcase: 38.9 fl. oz. (1150 ml) “M2” Type – Counter Rotation: 41 fl. oz. (1220 ml) “L2” Type Gearcase: 33.1 fl. oz. (980 ml) Refer to GEARCASE TYPES on p. 283 | |
| | Shift Rod Height | 20 in. (L) Models: 21 29/32 (556.25 mm) ± one-half turn 25 in. (X) Models: 26 29/32 (683.25 mm) ± one-half turn 30 in. (Z) Models: 31 29/32 (810.25 mm) ± one-half turn | |
| | Shift Cable Stroke | 1.125 to 1.330 in. (28.6 to 33.8 mm) measured between NEUTRAL and FORWARD | |
| POWER TRIM/TILT | Lubrication | Power Trim/Tilt & Power Steering Fluid or GM Dexron [†] II Automatic Transmission Fluid | |
| | Fluid Capacity | 21 fl. oz. (622 ml) | |
| | Trim Range | 0° to 21° | |
| | Tilt Range | 22° to 75° | |
| | Tilt UP Stall Pressure | 1500 psi (10342 kPa) | |
| | Tilt IN Stall Pressure | 800 psi (5516 kPa) | |