

**REFERENCE INFORMATION**  
**SERVICE SPECIFICATIONS**

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	HP	200	225	250
<b>ENGINE</b>	Full Throttle Operating Range	4500–5800 RPM		
	Power	200 HP (149 kw) @ 5150 RPM	225 HP (168 kw) @ 5150 RPM	250 HP (187 kw) @ 5150 RPM
	Idle RPM in Gear	500 ± 50		
	Test Propeller	<b>Standard Rotation Models:</b> P/N 436080 or P/N 396277 <b>Counter Rotation Models:</b> P/N 436081 or P/N 398674		
	Weight (may vary depending on model)	<b>20 in. (L) Models:</b> 503 lbs. (228 kg) <b>25 in. (X) Models:</b> 524 lbs. (238 kg) <b>30 in. (Z) Models:</b> 530 lbs. (240 kg)		
	Lubrication	<i>Evinrude/Johnson XD100 Oil</i> Refer to <b>Recommended Lubricants</b> on p. 164		
	Engine Type	90° V 6-Cylinder Loop-Charged		
	Displacement	200.1 cu. in. (3279 cm <sup>3</sup> )		
	Bore	3.854 in (97.89 mm)		
	Stroke	2.858 in. (72.60 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)		
<b>FUEL</b>	Fuel/Oil Ratio	<i>EMM</i> Controlled		
	Starting Enrichment	<i>EMM</i> Controlled		
	Preferred Fuel	Regular unleaded gasoline		
	Acceptable Fuel	See <b>Fuel Requirements</b> on p. 134 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	2+4 <sup>®</sup> Fuel Conditioner, Fuel System Cleaner Use of other additives may result in engine damage. See <b>Fuel Requirements</b> on p. 134 for additional information.		

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<b>ELECTRICAL</b>	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. Refer to <b>Predelivery and Installation Guide</b> for multiple battery applications.		
	Tachometer Setting	6 pulse (12 pole)		
	Charging Isolator	Integral, Terminal on Engine Harness		
	Engine Fuse	P/N 967545 – 10 A		
<b>COOLING</b>	Thermostat	143°F (62°C)		
	Maximum Temperature	190°F (88°C)		
	Water pressure	15 to 17 psi @ 5000 RPM		
<b>IGNITION</b>	Type	Capacitor Discharge		
	Firing Order	1-2-3-4-5-6		
	Ignition Features	EMM Controlled		
	RPM Limit	6050		
	Crankshaft Position Sensor Air Gap	Fixed		
	Spark Plug	Refer to Emission Control Information Label Champion <sup>†</sup> QC8WEP @ 0.028 ± 0.003 in. (0.71 mm)		
<b>GEARCASE</b>	Gear Ratio	<b>“M2” Type Gearcase:</b> 13:24 (.542) (1.85:1) <b>“L2” Type Gearcase – 200 HP:</b> 14:26 (.538) (1.86:1) <b>“L2” Type Gearcase – 225 HP:</b> 14:24 (.583) (1.71:1) Refer to <b>GEARCASE TYPES</b> on p. 283		
	Lubricant	HPF XR Gearcase Lubricant		
	Capacity	<b>“M2” Type Gearcase:</b> 38.9 fl. oz. (1150 ml) <b>“M2” Type – Counter Rotation:</b> 35.8 fl. oz. (1060 ml) <b>“L2” Type Gearcase:</b> 32.5 fl. oz. (960 ml) Refer to <b>GEARCASE TYPES</b> on p. 283		
	Shift Rod Height	<b>20 in. (L) Models:</b> 21 29/32 (556.25 mm) ± one-half turn <b>25 in. (X) Models:</b> 26 29/32 (683.25 mm) ± one-half turn <b>30 in. (Z) Models:</b> 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		
<b>POWER TRIM/TILT</b>	Lubrication	Power Trim/Tilt & Power Steering Fluid or GM Dexron <sup>†</sup> 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)		

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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	<b>Standard Rotation Models:</b> P/N 436080 or P/N 396277 <b>Counter Rotation Models:</b> P/N 436081 or P/N 398674	
	Weight (may vary depending on model)	<b>20 in. (L) Models:</b> 507 lbs. (230 kg) <b>25 in. (X) Models:</b> 528 lbs. (239 kg) <b>30 in. (Z) Models:</b> 534 lbs. (242 kg)	
	Lubrication	<i>Evinrude/Johnson XD100 Oil</i> Refer to <b>Recommended Lubricants</b> on p. 164	
	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)	
<b>ENGINE</b>	Fuel/Oil Ratio	<i>EMM</i> Controlled	
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	Acceptable Fuel	See <b>Fuel Requirements</b> on p. 134 for additional information.	
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	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	2+4 <sup>®</sup> <i>Fuel Conditioner, Fuel System Cleaner</i> Use of other additives may result in engine damage. See <b>Fuel Requirements</b> on p. 134 for additional information.	
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	Alternator	Dual Voltage 50 Amp with Voltage Regulator and Battery Isolation. Refer to <b>Predelivery and Installation Guide</b> for multiple battery applications.	
	Tachometer Setting	6 pulse (12 pole)	
	Charging Isolator	Integral, Terminal on Engine Harness	
	Engine Fuses	P/N 967545 – 10 A	
<b>COOLING</b>	Thermostat	143°F (62°C)	
	Maximum Temperature	190°F (88°C)	
	Water pressure	18 to 25 psi @ 5000 RPM	
<b>IGNITION</b>	Type	Capacitor Discharge	
	Firing Order	1-2-3-4-5-6	
	Ignition Features	EMM Controlled	
	RPM Limit	6050	
	Crankshaft Position Sensor Air Gap	Fixed	
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