

INTRODUCTION
SERVICE SPECIFICATIONS

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	HP	200	225	250	200 H	225 H
ENGINE	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	Factory Tuned for High Performance	
	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: 516 lbs. (234 kg) 25 in. (X) Models: 524 lbs. (238 kg) 30 in. (Z) Models: 530 lbs. (240 kg)				
	Lubrication	<i>Evinrude/Johnson XD100 Oil</i> Refer to Oil Requirements on p. 65				
	Engine Type	90° V 6-Cylinder Loop-Charged				
	Displacement	200.1 cu. in. (3279 cm ³)				
	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)				
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	2+4 [®] Fuel Conditioner, Fuel System Cleaner 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 [†] QC10WEP @ 0.028 ± 0.003 in. (0.71 mm)				
	Gear Ratio	“M” Type Gearcase: 13:24 (.542) (1.85:1) “L” Type Gearcase: 14:26 (.538) (1.86:1) “L2” Type Gearcase – 200 HP: 14:26 (.538) (1.86:1) “L2” Type Gearcase – 225 HP: 14:24 (.583) (1.71:1) Refer to GEARCASE TYPES on p. 283				
	Lubricant	HPF XR Gearcase Lubricant				
	Capacity	“M” Type Gearcase: 44.0 fl. oz. (1300 ml) “M2” Type Gearcase: 38.9 fl. oz. (1150 ml) “M” Type – Counter Rotation: 41 fl. oz. (1220 ml) “L” 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				
POWER TRIM/TILT	Shift Cable Stroke	1.125 to 1.330 in. (28.6 to 33.8 mm) measured between NEUTRAL and FORWARD				
	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)					