SERVICE SPECIFICATIONS

	HP	200	225	250
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
	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: 503 lbs. (228 kg) 25 in. (X) Models: 524 lbs. (238 kg) 30 in. (Z) Models: 530 lbs. (240 kg)		
	Lubrication	Evinrude/Johnson XD100 Oil Refer to Oil Requirements on p. 67		
E	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/Oil Ratio	EMM Controlled		
	Starting Enrichment	EMM Controlled		
	Preferred Fuel	Regular unleaded gasoline		
	Acceptable Fuel	See Fuel Requirements on p. 66 for additional information.		
7:	Minimum (High) Fuel Pressure @ IDLE RPM – 500 ± 50	22 to 28 psi (152 to 193 kPa)		
FUEL	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. 66 for additional information.		

SERVICE SPECIFICATIONS

	HP	200	225	250
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.)		
115	Alternator	Dual Voltage 50 Amp with Voltage Regulator and Battery Isolation		
LE(Tachometer Setting	6 pulse (12 pole)		
Ē	Charging Isolator	Integral, Terminal on Engine Harness		
	Engine Fuse	P/N 967545 – 10 A		
NG	Thermostat	143°F (62°C)		
COOLING	Maximum Temperature	190°F (88°C)		
\mathcal{S}	Water pressure	20 psi minimum @ 5000 RPM		RPM
	Туре	С	apacitor Discharge	
_	Firing Order		1-2-3-4-5-6	
GNITION	Ignition Features		EMM Controlled	
E	RPM Limit	6050		
9	Crankshaft Position Sensor Air Gap			
	Spark Plug	Refer to Emission Control Information Label		
	opan riag	Champion [†] QC8WEP @ 0.028 ± 0.003 in. (0.71 mm)		
	Gear Ratio	"M2" Type Gearcase: 13:24 (.542) (1.85:1) "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. 315		
ΣË	Lubricant	HPF XR Gearcase Lubricant		
GEARCASE	Capacity	"M2" Type Gearcase: 38.9 fl. oz. (1150 ml) "M2" Type – Counter Rotation: 35.8 fl. oz. (1060 ml) "L2" Type Gearcase: 32.5 fl. oz. (960 ml) Refer to GEARCASE TYPES on p. 315		3 fl. oz. (1060 ml) oz. (960 ml)
	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		
77	Lubrication	Power Trim/Tilt & Power Steering Fluid or GM Dexron [†] II Automatic Transmission Fluid		
II/N	Fluid Capacity	21 fl. oz. (622 ml)		
POWER TRIM/TILT	Trim Range	0° to 21°		
'ER	Tilt Range	22° to 75°		
МОС	Tilt UP Stall Pressure	1500 psi (10342 kPa)		
•	Tilt IN Stall Pressure	800 psi (5516 kPa)		

	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	
E	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	Evinrude/Johnson XD100 Oil Refer to Oil Requirements on p. 67	
EI	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/Oil Ratio	EMM Controlled	
	Starting Enrichment	EMM Controlled	
	Preferred Fuel	Regular unleaded gasoline	
	Acceptable Fuel	See Fuel Requirements on p. 66 for additional information.	
7:	Minimum (High) Fuel Pressure @ IDLE RPM – 500 ± 50	22 to 28 psi (152 to 193 kPa)	
FUEL	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. 66 for additional information.	

	HP	250 H	300	
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.)		
113	Alternator	Dual Voltage 50 Amp with Voltage Regulator and Battery Isolation		
LE(Tachometer Setting	6 pulse (12 pole)		
E	Charging Isolator	Integral, Terminal on Engine Harness		
	Engine Fuses	P/N 967545 – 10 A		
ING	Thermostat	143°F (62°C)		
COOLING	Maximum Temperature	190°F (88°C)		
\mathcal{S}	Water pressure	11 psi minimum @ 5000 RPM		
	Туре	Capacitor Discharge		
_	Firing Order	1-2-3-4-5-6		
GNITION	Ignition Features	EMM Controlled		
E	RPM Limit	6050		
9	Crankshaft Position Sensor Air Gap	Fixed		
	Spark Plug	Refer to Emission Control Information Label		
	opan riag	Champion [†] QC8V	VEP @ 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. 315		
Ш	Lubricant	HPF XR Gearcase Lubricant		
GEARCASE	Capacity	"M2" Type Gearcase: 38.9 fl. oz. (1150 ml) "M2" Type – Counter Rotation: 35.8 fl. oz. (1060 ml) "L2" Type Gearcase: 32.5 fl. oz. (960 ml) Refer to GEARCASE TYPES on p. 315		
9	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 m	n. (28.6 to 33.8 mm) measured between NEUTRAL and FORWARI	
Ţ	Lubrication	Power Trim/Tilt & Power Steering Fluid or GM Dexron [†] II Automatic Transmission Fluid		
II/II	Fluid Capacity	21 fl. oz. (622 ml)		
POWER TRIM/TILT	Trim Range	0° to 21°		
/ER	Tilt Range	22° to 75°		
NO _G	Tilt UP Stall Pressure	1500 psi (10342 kPa)		
	Tilt IN Stall Pressure	800 psi (5516 kPa)		