

**SERVICE SPECIFICATIONS AND SPECIAL TOOLS**  
**TECHNICAL DATA**

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<b>40 – 60 HP E-TEC Models</b>		
<b>ENGINE</b>	Full Throttle Operating Range RPM	40 HP – 5000 to 6000 RPM 50 HP – 5500 to 6000 RPM 60 HP – 5500 to 6000 RPM
	Power	40 HP (30 kw) @ 5500 RPM 50 HP (37 kw) @ 5750 RPM 60 HP (45 kw) @ 5750 RPM
	Idle RPM in Gear	800 ± 50 <i>EMM</i> Controlled
	Idle RPM in Neutral	750 ± 50 <i>EMM</i> Controlled
	Test Propeller	P/N 382861
	Weight (may vary depending on model)	<b>(RL) Models:</b> 232 lbs. (105 kg) <b>(EL) Models:</b> 230 lbs. (104 kg) <b>(PL) Models:</b> 240 lbs. (109 kg)
	Lubrication	<i>Evinrude/Johnson XD100, XD50, XD30</i> ; or NMMA TC-W3RL certified
	Engine Type	In-line, 2 Cylinder, Two-Cycle
	Displacement	52.7 cu. in. (864 cc)
	Bore	3.601 in (91.47 mm)
	Stroke	2.588 in. (65.74 mm)
	Standard Bore	3.6005 to 3.6015 in. (91.45 to 91.48 mm) To bore oversize, add piston oversize dimension to standard bore
	Top Crankshaft Journal	2.1870 to 2.1875 in. (55.55 to 55.56 mm)
	Center Crankshaft Journal	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	1.3757 to 1.3762 in. (34.94 to 34.96 mm)
Piston Ring End Gap, Both	0.011 to 0.023 in. (0.28 to 0.58 mm)	
<b>FUEL</b>	Fuel/Oil Control	<i>EMM</i> Controlled
	Starting Enrichment	<i>EMM</i> Controlled
	Minimum (High) Fuel Pressure	24 to 28 psi (165 to 193 kPa)
	Minimum Fuel Lift Pump Pressure	3 psi (21 kPa)
	Maximum Fuel Inlet Vacuum	4 in. Hg.
	Minimum Octane	87 AKI (R+M)/2 or 90 RON
	Additives	<i>2+4</i> ® Fuel Conditioner, Fuel System Cleaner Use of other additives may result in engine damage. See <b>Fuel Requirements</b> on p. 59 for additional information