

**EVINRUDE® E-TEC®**

**90 H.O.**



<b>Engine Model</b>	(a) E90HSL White (b) E90HGL Graphite
<b>Engine Type</b>	V4 60° E-TEC D.I.
<b>Bore x Stroke - in (mm)</b>	3.62 x 2.60 (92 x 66)
<b>Displacement - cu in (cc) L</b>	105.4 (1727) 1.7L
<b>Gear Ratio</b>	2.00:1
<b>Full Throttle RPM Range</b>	5500-6000 RPM
<b>Weight - lbs (kg)</b>	390 (177)
<b>Starting</b>	Electric
<b>Controls</b>	Mechanical
<b>Fuel Induction</b>	E-TEC Direct Injection with stratified low RPM combustion mode
<b>Alternator Output*</b>	133 Amps Total / 50 Net Dedicated
<b>Steering</b>	Remote (Tiller accessory)
<b>Trim Method</b>	(a)(b) Trac-1 Power Trim and Tilt
<b>Trim Range</b>	-4° to 17°
<b>Tilt Range</b>	75°
<b>Shaft Length - in (mm)</b>	20 (508)
<b>Lubrication</b>	Multi-Point Targeted Oiling
<b>Oil Tank Capacity - gal (L)</b>	Accessory 1.8 (6.8) 3 (11.3) & 10 (37.85) Tank Available
<b>Recommended Oil</b>	Evinrude / Johnson XD-100 Oil
<b>Recommended Fuel</b>	87 Octane
<b>Counter Rotation</b>	N/A
<b>Warranty</b>	3-Year, Non-Declining
<b>Emissions Compliance</b>	EPA 2013 / CARB 3 STAR / European Union

\* Variable Voltage Computer Controlled 133 Amp. Current amp calculated at 13.5 V. Net dedicated battery charging power output is 50 Amp.

