

# EVINRUDE® E-TEC® ENGINE SPECIFICATIONS

## 90 H.O.

<b>Engine Model (Color)</b>	(a) E90HSL White (b) E90HGL Graphite (c) E90HSX White (d) E90HGX Graphite
<b>Engine Type</b>	V4 60° E-TEC D.I.
<b>Bore x Stroke - in (mm)</b>	3.601 x 2.588 (91 x 66)
<b>Displacement - cu in (cc) L</b>	105.4 (1726) 1.7L
<b>Gear Ratio</b>	(a)(b) 2.00:1 (c)(d) 2.25:1
<b>Full Throttle RPM Range</b>	5500-6000 RPM
<b>Weight - lbs (kg)</b>	(a)(b) 390 (177) (c)(d) 405 (184)
<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, (c)(d) Fas-Trak™ Power Trim and Tilt
<b>Trim Range</b>	-4° to 17°
<b>Tilt Range</b>	75°
<b>Shaft Length - in (mm)</b>	(a)(b) 20 (508), (c)(d) 25 (635)
<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.

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