

## Models Covered

This service manual covers information on the following *Evinrude E-TEC G2*, 210 cubic inch (3.4 L), 74° V6, models, starting with serial numbers:

- AB models, s/n 5410201
- AF models, s/n 5421512
- AG and newer models, s/n 5437485

HP	Model Number	Shaft Length	Gearcase		Steering	Graphics	Standard Features	Special Features
			Style	Gear Ratio				
200	E200LHA__	20	SLX	13:24/0.542/1.85:1	DPS <sup>1</sup>	Custom H.O.	Digital EST <sup>2</sup>	H.O.
	E200LHOA__	20	SLX	13:24/0.542/1.85:1	Hydraulic	Custom H.O.	Digital EST <sup>2</sup>	H.O.
	E200XHAB__	25	SLX	13:24/0.542/1.85:1	DPS <sup>1</sup>	H.O. Standard	Digital EST <sup>2</sup>	H.O.
	E200XHCAB__	25	SLX Counter Rotation	13:24/0.542/1.85:1	Hydraulic	H.O. Standard	Digital EST <sup>2</sup>	H.O.
	A200XHCA__	25	SLX Counter Rotation	13:24/0.542/1.85:1	DPS <sup>1</sup>	Custom H.O.	Digital EST <sup>2</sup>	CR/DPS <sup>3</sup> , H.O.
225	E225X___	25	SLX	13:24/0.542/1.85:1	DPS <sup>1</sup>	Standard	Digital EST <sup>2</sup>	
	E225XC___	25	SLX Counter Rotation	13:24/0.542/1.85:1	Hydraulic	Standard	Digital EST <sup>2</sup>	
225H	E225LH___	20	SLX	13:24/0.542/1.85:1	DPS <sup>1</sup>	Custom H.O.	Digital EST <sup>2</sup>	H.O.
	E225XH___	25	SLX	13:24/0.542/1.85:1	DPS <sup>1</sup>	Custom H.O.	Digital EST <sup>2</sup>	H.O.
	E225XCH___	25	SLX Counter Rotation	13:24/0.542/1.85:1	DPS <sup>1</sup>	Custom H.O.	Digital EST <sup>2</sup>	H.O.
	E225LHO___	20	SLX	13:24/0.542/1.85:1	Hydraulic	Custom H.O.	Digital EST <sup>2</sup>	H.O.
250	E250X___	25	SLX	13:24/0.542/1.85:1	DPS <sup>1</sup>	Standard	Digital EST <sup>2</sup>	
	E250Z___	30	SLX	13:24/0.542/1.85:1	DPS <sup>1</sup>	Standard	Digital EST <sup>2</sup>	
	E250XC___	25	SLX Counter Rotation	13:24/0.542/1.85:1	Hydraulic	Standard	Digital EST <sup>2</sup>	
	A250XC___	25	SLX Counter Rotation	13:24/0.542/1.85:1	DPS <sup>1</sup>	Standard	Digital EST <sup>2</sup>	CR/DPS <sup>3</sup>
	E250ZC___	30	SLX Counter Rotation	13:24/0.542/1.85:1	Hydraulic	Standard	Digital EST <sup>2</sup>	
	A250ZC___	30	SLX Counter Rotation	13:24/0.542/1.85:1	DPS <sup>1</sup>	Standard	Digital EST <sup>2</sup>	CR/DPS <sup>3</sup>
250H	E250LH___	20	SLX	13:24/0.542/1.85:1	DPS <sup>1</sup>	Custom H.O.	Digital EST <sup>2</sup>	H.O.
	E250XH___	25	SLX	13:24/0.542/1.85:1	DPS <sup>1</sup>	Custom H.O.	Digital EST <sup>2</sup>	H.O.
	E250XCH___	25	SLX Counter Rotation	13:24/0.542/1.85:1	DPS <sup>1</sup>	Custom H.O.	Digital EST <sup>2</sup>	H.O.
	E250LHO___	20	SLX	13:24/0.542/1.85:1	Hydraulic	Custom H.O.	Digital EST <sup>2</sup>	H.O.
300	E300LU___	20	SLX	13:24/0.542/1.85:1	DPS <sup>1</sup>	Standard	Digital EST <sup>2</sup>	
	E300XU___	25	SLX	13:24/0.542/1.85:1	DPS <sup>1</sup>	Standard	Digital EST <sup>2</sup>	
	E300ZU___	30	SLX	13:24/0.542/1.85:1	DPS <sup>1</sup>	Standard	Digital EST <sup>2</sup>	
	E300XCU___	25	SLX Counter Rotation	13:24/0.542/1.85:1	Hydraulic	Standard	Digital EST <sup>2</sup>	
	A300XCU___	30	SLX Counter Rotation	13:24/0.542/1.85:1	DPS <sup>1</sup>	Standard	Digital EST <sup>2</sup>	CR/DPS <sup>3</sup>
	E300ZCU___	30	SLX Counter Rotation	13:24/0.542/1.85:1	Hydraulic	Standard	Digital EST <sup>2</sup>	
	A300ZCU___	30	SLX Counter Rotation	13:24/0.542/1.85:1	DPS <sup>1</sup>	Standard	Digital EST <sup>2</sup>	CR/DPS <sup>3</sup>

1. Dynamic Power Steering 2. Digital Electronic Shift & Throttle 3. Alternative Feature: Counter-Rotation model with DPS

## Reference Information

### Service Specifications

# Service Specifications

HP	200	225	250	250 H.O.	300
<b>Engine</b>					
Full Throttle Operating Range	5400-6000 RPM	5400-6000 RPM	5400-6000 RPM	5400-6000 RPM	5400-6000 RPM
Power	200 HP (147.1 kw) @ 5500 RPM	225 HP (165.5 kw) @ 5500 RPM	250 HP (183.9 kw) @ 5500 RPM	250 HP (183.9 kw) @ 5750 RPM	300 HP (220.6 kw) @ 5750 RPM
Idle RPM in NEUTRAL	500 ± 50 RPM				
Idle RPM in Gear	500 ± 50 RPM				
Weight (may vary depending on model)	20 in. (L) Models 537 lbs. (244 kg) 25 in. (X) Models 558 lbs. (253 kg) 30 in. (Z) Models 570 lbs. (259 kg)				
Lubricant	– Preferred Lubricant <i>Evinrude XD100, Evinrude XD50</i> – Acceptable Lubricant Synthetic TC-W3 NMMA-certified oil				
Capacity	2.0 gallons (7.5 liters)				
Engine Type	74° V 6-Cylinder Loop-Charged				
Displacement	210 cu. in. (3.4 L, 3441 cm <sup>3</sup> )				
Bore	3.854 in. (97.89 mm)				
Stroke	3.000 in. (76 mm)				
Standard Bore	3.8535 to 3.8550 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)				