

Models Covered

This manual covers service information on the following *Evinrude E-TEC* models:

- 200.1 cubic inch (3.3 L) 90° V6, starting with serial number 5370453.
- 210 cubic inch (3.4 L), 90° V6, starting with serial number 5368446.

HP	Model Number	Color	Shaft Length	Gearcase		Styling	Special Features
				Type	Gear Ratio		
200 H.O.	E200HSLAB_	White	20 in.	M2	13:24 / .542 / 1.85:1	Standard	H.O.
	E200DHLAB_	Blue	20 in.	M2	13:24 / .542 / 1.85:1	Standard	H.O.
	E200DHXAB_	White	25 in.	M2	13:24 / .542 / 1.85:1	Standard	H.O.
	E200HGLAB_	Graphite	20 in.	M2	13:24 / .542 / 1.85:1	H.O.	H.O.
	E200HCXAB_	White	25 in.	M2 ¹	13:24 / .542 / 1.85:1	Standard	H.O.
	DE200XCAB_	White	25 in.	M2 ¹	13:24 / .542 / 1.85:1	Standard	H.O., EST ²
	DE200HXAB_	White	25 in.	M2	13:24 / .542 / 1.85:1	Standard	H.O., EST ²
225	E225DPXAB_	White	25 in.	M2	13:24 / .542 / 1.85:1	Standard	
	E225DCXAB_	White	25 in.	M2 ¹	13:24 / .542 / 1.85:1	Standard	
	E225HSLAB_	White	20 in.	M2	13:24 / .542 / 1.85:1	H.O.	H.O.
	E225DHLAB_	Blue	20 in.	M2	13:24 / .542 / 1.85:1	H.O.	H.O.
	E225HGLAB_	Graphite	25 in.	M2	13:24 / .542 / 1.85:1	H.O.	H.O.
	E225DHXAB_	Blue	25 in.	M2	13:24 / .542 / 1.85:1	H.O.	H.O.
	E225HGXAB_	Graphite	25 in.	M2	13:24 / .542 / 1.85:1	Standard	
	DE225CXAB_	White	25 in.	M2 ¹	13:24 / .542 / 1.85:1	Standard	EST ²
	DE225PXAB_	White	25 in.	M2	13:24 / .542 / 1.85:1	Standard	EST ²
	250	E250DPXAB_	White	25 in.	M2	13:24 / .542 / 1.85:1	Standard
DE250PXAB_		White	25 in.	M2	13:24 / .542 / 1.85:1	Standard	EST ²
E250DCXAB_		White	25 in.	M2 ¹	13:24 / .542 / 1.85:1	Standard	
DE250CXAB_		White	25 in.	M2 ¹	13:24 / .542 / 1.85:1	Standard	EST ²
E250DPZAB_		White	30 in.	M2	13:24 / .542 / 1.85:1	Standard	
DE250PZAB_		White	30 in.	M2	13:24 / .542 / 1.85:1	Standard	EST ²
E250DCZAB_		White	30 in.	M2 ¹	13:24 / .542 / 1.85:1	Standard	
DE250CZAB_		White	30 in.	M2 ¹	13:24 / .542 / 1.85:1	Standard	EST ²
250 H.O.	E250HSLAB_	White	20 in.	M2	13:24 / .542 / 1.85:1	H.O.	H.O.
	E250DHLAB_	Blue	20 in.	M2	13:24 / .542 / 1.85:1	H.O.	H.O.
	E250DHXAB_	Blue	25 in.	M2	13:24 / .542 / 1.85:1	H.O.	H.O.
	E250HGLAB_	Graphite	20 in.	M2	13:24 / .542 / 1.85:1	H.O.	H.O.
	E250HGXAB_	Graphite	25 in.	M2	13:24 / .542 / 1.85:1	H.O.	H.O.
300	DE300PXAB_	White	25 in.	M2	13:24 / .542 / 1.85:1	Standard	EST ²
	DE300CXAB_	White	25 in.	M2 ¹	13:24 / .542 / 1.85:1	Standard	EST ²
	DE300PZAB_	White	30 in.	M2	13:24 / .542 / 1.85:1	Standard	EST ²
	DE300CZAB_	White	30 in.	M2 ¹	13:24 / .542 / 1.85:1	Standard	EST ²
	E300DSLAB_	White	20 in.	M2	13:24 / .542 / 1.85:1	Standard	
	E300DPXAB_	White	25 in.	M2	13:24 / .542 / 1.85:1	Standard	
	E300DGXAB_	Graphite	25 in.	M2	13:24 / .542 / 1.85:1	Standard	
	E300DCXAB_	White	25 in.	M2 ¹	13:24 / .542 / 1.85:1	Standard	
	E300DPZAB_	White	30 in.	M2	13:24 / .542 / 1.85:1	Standard	
	E300DCZAB_	White	30 in.	M2 ¹	13:24 / .542 / 1.85:1	Standard	

1. Counter Rotation 2. Electronic Shift & Throttle

Reference Information

Service Specifications 90° 3.3 L Models

Service Specifications 90° 3.3 L Models

	HP	200, 225, 250	
ENGINE	Full Throttle Operating Range	5250–6000 RPM	
	Power	200 HP: (147.1 kw) @ 5700 RPM 225 HP: (165.5 kw) @ 5700 RPM 250 HP: (183.9 kw) @ 5700 RPM	
	Idle RPM in Gear	500 ± 50	
	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	<i>Evinrude/Johnson XD100</i> Oil Refer to Recommended Lubricants on p. 168	
	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	Fuel/Oil Ratio	<i>EMM</i> Controlled
		Starting Enrichment	<i>EMM</i> Controlled
Preferred Fuel		Regular unleaded gasoline	
Acceptable Fuel		See Fuel Requirements on p. 138 for additional information.	
Minimum (High) Fuel Pressure @ IDLE RPM – 500 ± 50		22 to 28 psi (152 to 193 kPa)	
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. 138 for additional information.	

Reference Information

Service Specifications 90° 3.4 L Models

Service Specifications 90° 3.4 L Models

	HP	250, 300
ENGINE	Full Throttle Operating Range	5300–6000 RPM
	Power	250 HP: (183.9 kw) @ 5600 RPM 300 HP: (220.6 kw) @ 5600 RPM
	Idle RPM in Gear	500 ± 50
	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)
	Lubrication	<i>Evinrude/Johnson XD100 Oil</i> Refer to Recommended Lubricants on p. 168
	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	Fuel/Oil Ratio	<i>EMM</i> Controlled
	Starting Enrichment	<i>EMM</i> Controlled
	Preferred Fuel	Regular unleaded gasoline
	Acceptable Fuel	See Fuel Requirements on p. 138 for additional information.
	Minimum (High) Fuel Pressure @ IDLE RPM – 500 ± 50	22 to 28 psi (152 to 193 kPa)
	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 [®] <i>Fuel Conditioner, Fuel System Cleaner</i> Use of other additives may result in engine damage. See Fuel Requirements on p. 138 for additional information.	