

Models Covered

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

- 35.1 cubic inch (.57 L), 2-Cylinder starting with serial number 5412769.

HP	Model Number	Shaft Length	Color	Gearcase		Steering	Starting	Midsection
				Type	Gear Ratio			
15	E15HPGLAF_	20 in.	Smoke	H	13:28 / 0.465 / 2.15:1	Remote	Electric/Rope	Power Tilt
	E15HPGXAF_	25 in.	Smoke	H	13:28 / 0.465 / 2.15:1	Remote	Electric/Rope	Power Tilt
	E15HPSLAF_	20 in.	White	H	13:28 / 0.465 / 2.15:1	Remote	Electric/Rope	Power Tilt
	E15HPSXAF_	25 in.	White	H	13:28 / 0.465 / 2.15:1	Remote	Electric/Rope	Power Tilt
	E15HTGLAF_	20 in.	Smoke	H	13:28 / 0.465 / 2.15:1	Tiller	Electric/Rope	Power Tilt
	E15HTGXAF_	25 in.	Smoke	H	13:28 / 0.465 / 2.15:1	Tiller	Electric/Rope	Power Tilt
	E15HTSLAF_	20 in.	White	H	13:28 / 0.465 / 2.15:1	Tiller	Electric/Rope	Power Tilt
	E15HTSXAF_	25 in.	White	H	13:28 / 0.465 / 2.15:1	Tiller	Electric/Rope	Power Tilt
25	E25DGELAF_	20 in.	Smoke	H	13:28 / 0.465 / 2.15:1	Remote	Electric/Rope	Manual Tilt
	E25DGTEAF_	15 in.	Smoke	H	13:28 / 0.465 / 2.15:1	Tiller	Electric/Rope	Manual Tilt
	E25DGTLAF_	20 in.	Smoke	H	13:28 / 0.465 / 2.15:1	Tiller	Electric/Rope	Power Tilt
	E25DPGLAF_	20 in.	Smoke	H	13:28 / 0.465 / 2.15:1	Remote	Electric/Rope	Power Tilt
	E25DPSLAF_	20 in.	White	H	13:28 / 0.465 / 2.15:1	Remote	Electric/Rope	Power Tilt
	E25DRGAF_	15 in.	Smoke	H	13:28 / 0.465 / 2.15:1	Tiller	Rope	Manual Tilt
	E25DRSAF_	15 in.	White	H	13:28 / 0.465 / 2.15:1	Tiller	Rope	Manual Tilt
	E25DRGLAF_	20 in.	Smoke	H	13:28 / 0.465 / 2.15:1	Tiller	Rope	Manual Tilt
	E25DRSLAF_	20 in.	White	H	13:28 / 0.465 / 2.15:1	Tiller	Rope	Manual Tilt
	E25GTELAF_	20 in.	Smoke	H	13:28 / 0.465 / 2.15:1	Tiller	Electric/Rope	Manual Tilt
	E25DTSLAF_	20 in.	White	H	13:28 / 0.465 / 2.15:1	Tiller	Electric/Rope	Power Tilt
	E25TESLAF_	20 in.	White	H	13:28 / 0.465 / 2.15:1	Tiller	Electric/Rope	Manual Tilt
30	E30DGELAF_	20 in.	Smoke	H	13:28 / 0.465 / 2.15:1	Remote	Electric/Rope	Manual Tilt
	E30DGTLAF_	20 in.	Smoke	H	13:28 / 0.465 / 2.15:1	Tiller	Electric/Rope	Power Tilt
	E30DPGLAF_	20 in.	Smoke	H	13:28 / 0.465 / 2.15:1	Remote	Electric/Rope	Power Tilt
	E30DPSLAF_	20 in.	White	H	13:28 / 0.465 / 2.15:1	Remote	Electric/Rope	Power Tilt
	E30DRGAF_	15 in.	Smoke	H	13:28 / 0.465 / 2.15:1	Tiller	Rope	Manual Tilt
	E30DRSAF_	15 in.	White	H	13:28 / 0.465 / 2.15:1	Tiller	Rope	Manual Tilt
	E30DRGLAF_	20 in.	Smoke	H	13:28 / 0.465 / 2.15:1	Tiller	Rope	Manual Tilt
	E30DRSLAF_	20 in.	White	H	13:28 / 0.465 / 2.15:1	Tiller	Rope	Manual Tilt
	E30DTSLAF_	20 in.	White	H	13:28 / 0.465 / 2.15:1	Tiller	Electric/Rope	Power Tilt
	E30GTELAF_	20 in.	Smoke	H	13:28 / 0.465 / 2.15:1	Tiller	Electric/Rope	Manual Tilt
	E30TESLAF_	20 in.	White	H	13:28 / 0.465 / 2.15:1	Tiller	Electric/Rope	Manual Tilt

Service Specifications

	15 HO Models	25 – 30 HP Models	
ENGINE	Full Throttle Operating Range RPM	15 HP – 5500 to 6100 RPM	25 HP – 5500 to 6000 RPM 30 HP – 5500 to 6000 RPM
	Power	15 HP (11.0 kw) @ 5800 RPM	25 HP (18.4 kw) @ 5750 RPM 30 HP (22.1 kw) @ 5750 RPM
	Idle RPM in Gear	750 ± 50 <i>EMM</i> Controlled	
	Idle RPM in Neutral	700 ± 50 <i>EMM</i> Controlled	
	Weight (may vary depending on model)	(HPL) Models: 181 lbs. (82 Kg) (HTL) Models: 187 lbs. (85 Kg) (HPSX) Models: 187 lbs. (85 Kg) (HTSX) Models: 190 lbs. (86 Kg)	(R) Models: 152 lbs. (69 kg) (RL) Models: 156 lbs. (71 kg) (TE) Models: 166 lbs. (105 kg) (TEL) Models: 170 lbs. (75 kg) (DTL) Models: 191 lbs. (86 kg) (DEL) Models: 164 lbs. (74 kg) (DPL) Models: 185 lbs. (84 kg)
	Lubrication	<i>Evinrude/Johnson XD100, XD50, XD30</i> ; or NMMA TC-W3 certified	
	Engine Type	In-line, 2 Cylinder, Two-Cycle	
	Displacement	35.1 cu. in. (575 cc)	
	Bore	2.992 in (76 mm)	
	Stroke	2.500 in. (63.50 mm)	
	Standard Bore	2.9916 to 2.9931 in. (75.989 to 76.026 mm) To bore oversize, add piston oversize dimension to standard bore	
	Top Crankshaft Journal	1.6235 to 1.6245 in. (41.237 to 41.262 mm)	
	Center Crankshaft Journal	1.7461 to 1.7470 in. (44.350 to 44.375 mm)	
	Bottom Crankshaft Journal	2.0450 to 2.0459 in. (51.942 to 51.967 mm)	
	Rod Crankpin	1.1815 to 1.1817 in. (30.011 to 30.016 mm)	
Piston Ring End Gap, Both	0.011 to 0.019 in. (0.30 to 0.50 mm)		
FUEL	Fuel/Oil Control	<i>EMM</i> Controlled	
	Starting Enrichment	<i>EMM</i> Controlled	
	Minimum (High) Fuel Pressure	25 to 40 psi (172 to 275 kPa)	
	Minimum Fuel Lift Pump Pressure	2 psi (14 kPa)	
	Maximum Fuel Inlet Vacuum	4 in. Hg.	
	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. 123 for additional information	