

SERVICE SPECIFICATIONS

25 – 30 HP E-TEC Models		
ENGINE	Full Throttle Operating Range RPM	25 HP – 5500 to 6100 RPM 30 HP – 5500 to 6100 RPM
	Power	25 HP (30 kw) @ 5800 RPM 30 HP (37 kw) @ 5800 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)	(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) (PL) 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	28 to 32 psi (193 to 220 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	<i>2+4[®] Fuel Conditioner, Fuel System Cleaner</i> Use of other additives may result in engine damage. See Fuel System Requirements on p. 29 for additional information

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ELECTRICAL	Minimum Battery Requirements	640 CCA (800 MCA) or 800 CCA (1000 MCA) below 32° F (0° C)
	Alternator	15-Amp fully regulated
	Tachometer Setting	6 pulse (12 pole)
	Engine Fuse	P/N 967545 – 10 A
COOLING	Thermostat	143°F (62°C)
	Maximum Temperature	212°F (100°C)
IGNITION	Type	IDI Inductive Ignition
	Firing Order	1-2
	Ignition Timing	<i>EMM</i> Controlled
	RPM Limit in Gear	6250
	RPM Limit in Neutral	1100
	Crankshaft Position Sensor Air Gap	Fixed
	Spark Plug	Refer to Emission Control Information Label <i>Champion</i> [†] QC10WEP @ 0.028 ± .003 in. (0.71 mm)
GEARCASE	Gear Ratio	13:28 (.465)
	Lubricant	<i>HPF XR Gearcase Lube</i> <i>HPF Pro</i> in high performance or commercial applications
	Capacity	11 fl. oz. (325 ml)
	Shift Rod Height	fixed
	Shift Cable Stroke	1.125 to 1.330 in. (28.6 to 33.8 mm) measured between NEUTRAL and FORWARD
POWER TRIM/TILT	Lubrication	<i>Evinrude/Johnson</i> Biodegradable TNT Fluid
	Fluid Capacity	11.7 fl. oz. (346 ml)
	Trim Range	0° to 15°
	Tilt Range	16° to 65°