

SERVICE SPECIFICATIONS AND SPECIAL TOOLS
TECHNICAL DATA

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	HP	9.9, 15	
ENGINE	Full Throttle Operating Range RPM	9.9 HP: 5000-6000 15 HP: 5500-6500	
	Power	9.9 HP (7.5 kw) @ 5500 RPM 15 HP (11.2 kw) @ 6000 RPM	
	Idle RPM in Gear	700 ± 50	
	Weight	R Models: 74 lbs. (34 kg) RL Models: 77 lbs. (35 kg)	
	Lubrication	<i>Evinrude/Johnson</i> XD30 formula outboard oil Refer to Oil Requirements on p. 44.	
	Engine Type	In-line 2 cylinder	
	Displacement	15.6 cu. in. (255 cm ³)	
	Bore	2.375 in. (60.33 mm)	
	Stroke	1.760 in. (44.70 mm)	
	Standard Bore	2.3745 to 2.3750 in. (60.31 to 60.33 mm)	
		To bore oversize, add piston oversize dimension to standard bore	
	Top Crankshaft Journal	0.8757 to 0.8762 in. (22.24 to 22.26 mm)	
	Center Crankshaft Journals	0.8120 to 0.8125 in. (20.63 to 20.64 mm)	
	Bottom Crankshaft Journal	0.7870 to 0.7874 in. (19.98 to 19.99 mm)	
	Rod Crankpin	0.8120 to 0.8125 in. (20.63 to 20.64 mm)	
	Piston Ring End Gap, Both	0.005 to 0.015 in. (0.13 to 0.38 mm)	
	Lower Piston Ring Groove Side Clearance	0.004 in (0.10 mm) maximum	
	Test Propeller	340177	
	Minimum Test RPM	9.9 HP: 4900	
		15 HP: 5700	
FUEL	Fuel/Oil Ratio	50:1	
	Carburetion	One single-throat carburetor, float feed	
	Calibration	Adjustable low speed; Fixed high speed	
	Low-Speed Setting	Refer to FUEL SYSTEM section.	
	Starting Enrichment	Manual choke	
	Carburetor Float Level Setting	Float gauge, P/N 324891	
	Carburetor Float Drop Setting	1 to 1 3/8 in. (25 to 35 mm)	
	Preferred Fuel	Regular unleaded, plus grade unleaded, premium unleaded gasolines	
	Acceptable Fuel	Any of the above gasolines with 10% Ethanol or 5% Methanol with 5% co-solvents	
	Minimum Octane	87 AKI (R+M)/2 or 90 RON	
Additives	2+4 [®] Fuel Conditioner, Fuel System Cleaner, Carbon Guard Use only Evinrude/Johnson recommended fuel additives. The use of other additives may result in engine damage.		
	See Fuel Requirements on p. 43 for additional information.		