

SPECIAL TOOLS AND SERVICE SPECIFICATIONS
TECHNICAL DATA

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	HP	9.9, 15	25, 30
ENGINE	Full Throttle Operating Range RPM	9.9 HP: 5000-6000 15 HP: 5500-6500	25 HP: 4500-5500 30 HP: 5200-5800
	Power	9.9 HP (7.5 kw) @ 5500 RPM 15 HP (11.2 kw) @ 6000 RPM	25 HP (18.7 kw) @ 5000 30 HP (22.4 kw) @ 5500
	Idle RPM in Gear	700 ± 50	675 ± 25
	Weight	R Models: 74 lbs. (34 kg) RL Models: 77 lbs. (35 kg)	R, TE Models: 117 lbs. (53 kg) RL, EL Models: 122 lbs. (55 kg) TEL Models: 124 lbs. (56 kg)
	Lubrication	<i>Evinrude/Johnson</i> XD30 formula outboard oil Refer to Engine Lubricant on p. 51.	
	Engine Type	In-line 2 cylinder	In-line 2 cylinder
	Displacement	15.6 cu. in. (255 cm ³)	32 cu. in. (521 cm ³)
	Bore	2.375 in. (60.33 mm)	3.000 in. (76.20 mm)
	Stroke	1.760 in. (44.70 mm)	2.250 in. (57.15 mm)
	Standard Bore	2.3745 to 2.3750 in. (60.31 to 60.33 mm)	2.9995 to 3.0005 in. (76.19 to 76.21 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)	1.2510 to 1.2515 in. (31.78 to 31.79 mm)
	Center Crankshaft Journals	0.8120 to 0.8125 in. (20.63 to 20.64 mm)	1.1833 to 1.1838 in. (30.06 to 30.07 mm)
	Bottom Crankshaft Journal	0.7870 to 0.7874 in. (19.98 to 19.99 mm)	0.9842 to 0.9846 in. (25.00 to 25.01 mm)
	Rod Crankpin	0.8120 to 0.8125 in. (20.63 to 20.64 mm)	1.1823 to 1.1828 in. (30.03 to 30.04 mm)
	Piston Ring End Gap, Both	0.005 to 0.015 in. (0.13 to 0.38 mm)	0.007 to 0.017 in. (0.18 to 0.43 mm)
	Lower Piston Ring Groove Side Clearance	0.004 in (0.10 mm) maximum	
	Test Propeller	340177	434505
	Minimum Test RPM	9.9 HP: 4900 15 HP: 5700	25 HP: 4800 30 HP: 5400
	FUEL	Fuel/Oil Ratio	50:1
Carburetion		One single-throat carburetor, float feed	
Calibration		Adjustable low speed; Fixed high speed	Adjustable low speed; Fixed intermediate and high speed
Low-Speed Setting		Refer to FUEL SYSTEM section.	
Starting Enrichment		Manual choke	R, RL, TE, TEL Models: Manual primer EL Models: Electric primer solenoid
Carburetor Float Level Setting		Float gauge, P/N 324891	
Carburetor Float Drop Setting		1 to 1 3/8 in. (25 to 35 mm)	1 1/8 to 1 5/8 in. (28 to 41 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 Bombardier recommended fuel additives. The use of other additives may result in engine damage. See FUEL REQUIREMENTS on p. 48 for additional information.	