

SERVICE SPECIFICATIONS AND SPECIAL TOOLS

TECHNICAL DATA

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	HP	30	
ENGINE	Full Throttle Operating Speed	5500-6100 RPM	
	Power	30 HP (22.1 kw) @ 6100 RPM	
	Idle Speed (in-gear)	900 ± 50 RPM	
	Weight (without engine oil)	Remote Models: 212 lbs. (96 kg) TEL Models: 216 lbs. (98 kg)	
	Lubrication	For initial 10 hour break-in: Evinrude/Johnson 4-Stroke Oil, P/N 775597 After break-in: Evinrude/Johnson Ultra 4-Stroke Oil, P/N 775594	
	Engine Type	Four-stroke, three-cylinder SOHC	
	Displacement	36.4 cu. in. (597 cm ³)	
	Bore	2.56 in. (65 mm)	
	Stroke	2.36 in. (60 mm)	
	Standard Bore	2.5591 to 2.5598 in. (65.000 to 60.020 mm) To bore oversize, add piston oversize dimension to standard bore.	
	Crankshaft Journal	1.5741 to 1.5748 in. (39.982 to 40.000 mm)	
	Rod Crankpin	1.4166 to 1.4173 in. (35.982 to 36.000 mm)	
	Valve Clearance (cold engine)	0.005 to 0.007 in. (0.13 to 0.17 mm)	
	Compression Ring End Gap	Top: 0.005 to 0.011 in. (0.12 to 0.27 mm) 2nd: 0.014 to 0.020 in. (0.35 to 0.50 mm)	
	FUEL	Piston-to-Cylinder Bore Clearance	0.004 in. (0.10 mm) maximum
		Test Propeller	P/N 5032468 (also requires bushing, P/N 5034620, and stopper, P/N 5034621)
Carburetion		Three single-throat carburetor, float feed	
Calibration		Adjustable low speed; Fixed intermediate and high speed	
Starting Enrichment		TEL Models: Manual choke Remote Models: Choke solenoid	
Carburetor Float Height		0.575 ± 0.040 in. (14.6 ± 1 mm)	
Preferred Fuel		Regular unleaded	
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	<i>2+4 Fuel Conditioner, Fuel System Cleaner, Carbon Guard</i> Use only BRP recommended fuel additives. The use of other additives may result in engine damage.		