

## TECHNICAL DATA

	HP	6	8
	Full Throttle Operating Range RPM	5500-6500	5000-6000
	Power	6 HP (4.5 kw) @ 6000 RPM	8 HP (6.0 kw) @ 5500
	Idle RPM in Gear	1200 ± 50	1000 ± 50
	Weight	(R) Models: 68 lbs. (31 kg) (RL) Models: 71.5 lbs. (33 kg)	(R) Models: 82 lbs. (37 kg) (RL) Models: 87 lbs. (39 kg)
	Lubrication	<i>Evinrude/Johnson XD30</i> oil Refer to <b>Engine Lubricant</b> on p. 38.	
	Crankcase Oil Capacity	27.0 fl. oz. (0.8 liter)	33.8 fl. oz. (1.0 liter)
	Engine Type	Four-Stroke, In-line 1 cylinder, OHC	Four-Stroke, In-line 2 cylinder, OHC
	Displacement	7.8 cu. in. (128 cc)	12.87 cu. in. (211 cc)
	Bore	2.22 in. (56.6 mm)	2.22 in. (56.6 mm)
	Stroke	2.01 in. (51.0 mm)	1.65 in. (42.0 mm)
<b>ENGINE</b>	Standard Bore	2.2244 to 2.2248 in. (56.50 to 56.51 mm)	2.2244 to 2.2248 in. (56.50 to 56.51 mm)
		To bore oversize, add piston oversize dimension to standard bore	
	Top Crankshaft Journal	0.9837 to 0.9842 in. (24.98 to 25.00 mm)	1.2200 to 1.2204 in. (30.99 to 31.00 mm)
	Bottom Crankshaft Journal	0.9837 to 0.9842 in. (24.98 to 25.00 mm)	1.2200 to 1.2204 in. (30.99 to 31.00 mm)
	Rod Crankpin	1.1795 to 1.1791 in. (29.96 to 29.95 mm)	1.1401 to 1.1398 in. (28.96 to 28.95 mm)
	Camshaft Intake Lobe	0.954 ± 0.002 in. (24.222 ± 0.05 mm)	0.954 ± 0.002 in. (24.222 ± 0.05 mm)
	Camshaft Exhaust Lobe	0.955 ± 0.002 in. (24.262 ± 0.05 mm)	0.955 ± 0.002 in. (24.262 ± 0.05 mm)
	Piston Ring End Gap, Top Two Rings	0.006 to 0.014 in. (0.15 to 0.36 mm)	0.006 to 0.014 in. (0.15 to 0.36 mm)
	Piston Ring Groove Side Clearance, Top Two Rings	0.004 in (0.10 mm) maximum	
	Intake Tappet Clearance	0.003 in. (0.08 mm) cold	0.003 in. (0.08 mm) cold
	Exhaust Tappet Clearance	0.005 in. (0.12 mm) cold	0.005 in. (0.12 mm) cold
	Test Propeller	444508	386537
	Minimum Test RPM	5500	4800