

SERVICE SPECIFICATIONS AND SPECIAL TOOLS
TECHNICAL DATA

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	HP	9.9	15
	Full Throttle Operating Range RPM	4900-5500	5400-6000
	Power	9.9 HP (7.3 kw) @ 5000 RPM	15 HP (11 kw) @ 5700
	Idle RPM in Gear	820 to 920	
ENGINE	Weight	(R) Models: 97 lbs. (44 kg) (RL) Models: 99 lbs. (45 kg) (TE) Models: 106 lbs. (48 kg) (TEL) Models: 108 lbs. (49 kg) (EL) Models: 106 lbs. (48 kg)	
	Lubrication	Evinrude/Johnson Ultra 4-Stroke outboard oil Refer to Oil Requirements on p. 40.	
	Engine Type	4-Stroke SOHC 2-cylinder	
	Displacement	18.4 cu. in. (302 cm ³)	
	Bore	2.28in. (58 mm)	
	Stroke	2.24 in. (57 mm)	
	Compression ratio	9.0:1	
	Carburetion	One single-throat carburetor, float feed	
	Main Jet	#70	#115
	Pilot Jet	#38	#40
FUEL SYSTEM	Low-Speed Setting	PRE-SET (1-7/8 ± 1/2 turns)	PRE-SET (2-7/8 ± 1/2 turns)
	Starting Enrichment	(R) Models: Manual (E) Models: Automatic	
	Float Level Setting	13.5 ± 2 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. 39 for additional information.	

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	HP	9.9	15
ELECTRICAL	Alternator	7 Amp, Regulated	
	Battery Minimum Recommendation	12 Volt, 360 CCA (465 MCA) with 90 Minutes Reserve Capacity or 50 Ampere-Hour	
	Tachometer Setting (Requires Battery Charging)	6 Pulse/12 Pole	
	Fuse	20 A (Electric start models)	
COOLING	Thermostat opens	136 to 144°F (58 to 62°C)	
IGNITION	Type	Digital Capacitor Discharge	
	RPM Limit	6500 RPM	
	Spark Plugs	NGK [†] BKR6E @ 0.030 in. (0.76 mm)	
	Ignition Timing	5° ATDC @ 1000 RPM	
GEARCASE	Gear Ratio	12:25 (2.08:1)	
	Lubricant	<i>Ultra-HPF Gearcase Lube</i>	
	Capacity	5.7 fl. oz. (170 ml)	

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