

SPECIAL TOOLS AND SERVICE SPECIFICATIONS
TECHNICAL DATA

**TECHNICAL
DATA**

	HP	55
ENGINE	Full Throttle Operating Range RPM	4500–5500
	Power	55 HP (41.0 kw) @ 5000 RPM
	Idle RPM in Gear	800 ± 25
	Weight	191 lbs. (86.6 kg)
	Lubrication	<i>Evinrude/Johnson</i> XD25 formula outboard oil. Refer to Engine Lubricant
	Engine Type	In-line 2 cylinder
	Displacement	45 cu. in. (737 cm ³)
	Bore	3.1875 in. (80.96 mm)
	Stroke	2.820 in. (71.63 mm)
	Standard Bore	3.1870 to 3.1880 in. (80.95 to 80.98 mm) To bore oversize, add piston oversize dimension to standard bore
	Top Crankshaft Journal	1.4986 to 1.4991 in. (38.06 to 38.08 mm)
	Center Crankshaft Journals	1.3745 to 1.3749 in. (34.91 to 34.92 mm)
	Bottom Crankshaft Journal	1.1810 to 1.1815 in. (30.00 to 30.01 mm)
	Rod Crankpin	1.1823 to 1.1828 in. (30.03 to 30.04 mm)
	Piston Ring End Gap, Both	0.010 to 0.022 in. (0.25 to 0.56 mm)
	Test Propeller	P/N 382861
FUEL	Fuel/Oil Ratio	50:1 fuel/oil mixture
	Carburetion	Two single-throat carburetor, float feed
	Calibration	Adjustable low speed Fixed intermediate and high speed
	Low-Speed Setting	Refer to FUEL SYSTEM section
	Starting Enrichment	Manual Primer
	Carburetor Float Level Setting	Float gauge, P/N 324891
	Carburetor Float Drop Setting	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	<i>2+4 Fuel Conditioner, Fuel System Cleaner, Carbon Guard</i> Use only Bombardier recommended fuel additives. The use of other additives may result in engine damage.	
	See FUEL REQUIREMENTS for additional information	

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ELECTRICAL	AC Model	60 Watts
	Thermostat opens	143°F (61.6°C)
IGNITION	Type	Magneto Powered Capacitor Discharge
	RPM Limit	5800
	Spark Plugs	QL78YC @ 0.030 in. (0.8 mm)
	Ignition Coil	582508
GEARCASE	Gear Ratio	12:32 (.375)
	Lubricant	<i>Ultra-HPF Gearcase Lube</i>
	Capacity	22 fl. oz. (650 ml)
	Shift Rod Height	20 29/32 in. ± 1/32 in. (531 ± 0.8 mm)

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