

# SPECIFICATIONS

Model Numbers	LD-13 - Standard length (15" transom) LDL-13 - 5" longer (20" transom)	Propeller gear ratio	12:25	
*Horsepower (O.B.C. - certified)	5 hp at 4000 rpm	Propeller drive pin	Part Number 311211, 1/8" x 1-1/4" stainless steel	
Full throttle operating range	3500 - 4500 rpm	Propeller	8" diameter x 7-1/2" pitch, 3 blade	
Tank test with test wheel	4150 rpm	Speed control	Single lever, synchronized throttle and spark	
Engine type	2 cylinder, 2 cycle, alternate firing	Weight (without fuel tank)	Model LD-13 - 41 pounds Model LDL-13 - 42 pounds (fuel tank weight 8-1/4 pounds net)	
Bore and stroke	1-15/16" bore x 1-1/2" stroke	Fuel capacity	3 gallons, suction type tank	
Piston displacement	8.84 cubic inches	Starter	Manual, self-rewinding	
Piston ring sets (3 per set) standard	Part Number 378432	Ignition	Flywheel magneto	
.020" oversize	Part Number 378417	Spark plug	AC-M42K, Champion J4J, Auto-Lite A21X - 14mm	
Diameter of ring	1.9375 in. (standard)	Spark plug gap	.030 inch	
Width of ring	.0935 - .0925 in.	Spark plug torque	17-1/2 - 20-1/2 Foot-pounds	
Lbs. compression recommended when compressed	2 to 4 lbs.	Breaker point gap	.020 inch	
Piston less rings standard	Part Number 376994	Condenser Capacity	Part Number 580321 .18 - .22 Mfd.	
.020" oversize	Part Number 376427	Part No. 580416 Coil Test Specifications -		
Crankshaft size top journal	.8085 - .8080 in.	Old Stevens Tester		
center journal	.8080 - .8075 in.	Switch	Index Reading	
bottom journal	.8085 - .8080 in.	A	2.0 - 2.5	
Connecting rod crank pin	.6690 - .6685 in.	New Stevens Tester Model No. M.A. - 75		
Carburetion	Single barrel, float feed, low-speed adjustment	Switch	Index Adjustment	
Float level setting	Flush with rim of casting	A	24	
Carburetor orifice plug	Hole size .041"	Merc-O-Tronic		
Inlet needle seat	.053" to .050". Use a #55 drill as gage	Operating Amperage	Primary Resistance Min. - Max.	
Cooling system	Vari-Volume (combination positive displacement and centrifugal pump)	1.6	.45 - .55	
			Secondary Continuity Min. - Max.	
			30 - 45	
		Graham Tester Model 51		
		Maximum Secondary	Maximum Primary	Coil Index
		4000	1.2	75
				Minimum Coil Test
				33
				Gap Index
				75

\*Horsepower established at sea level. Allow 2% reduction per 1000' above sea level.