Performance AIRCRAFT KIT for Legacy

“Reno Racing” Carbon/Carbon Legacy Kit

Climb at a rate of 2500 fpm to 10,000 feet, level off, then swallow up a 1100 mile route at 276 mph on a single tank of gas. You’ll want to pinch yourself. But you are not dreaming. No, you are flying, first class, in the sleek Lancair Legacy—a combination of speed, control, comfort and economy that translates into unparalleled performance and pure flying fun. And that’s in a ‘standard’ Legacy (see specifications at left).

This “Reno Racing” Legacy kit offers an even higher level of performance. Featuring exceptional strength and rigidity from the carbon composite structure and surfaces, the C/C Legacy is built for the extraordinary stresses of air racing. Promising exceptional responsiveness, superb handling and superior safety margins, the C/C Legacy represents the ultimate in a personal sport aircraft.

This particular aircraft began life in Redmond on the 2-week build with a previous customer who did not continue the work. As the factory builder, we have the history documented on this build and awaiting a qualified new owner to take her to the skies.

Substantial progress has been made on the aircraft build, with both wings and horizontal stabilizer closed, fuselage halves joined and internal bulkheads and bracing installed. The aircraft canopy has been attached and instrument panel precut for a capable dual Garmin G3x avionics suite.

We offer a full build assist program with access to precision factory assembly jigs and tooling and will be happy to coordinate a walk though our “dream planner” which will address the package and options with cost for your review. Expected build time to complete this aircraft averages 8 months, but can be shortened or lengthened, depending on the builder assist level and options you select.

Specifications

Length	22 ft
Wingspan	25.5 ft
Wing Area	82.5 sq. ft
Aspect Ratio	7.95 : 1
Empty Weight	1500 lbs
Gross Weight	2200 lbs
Std. Fuel Capacity	65 gal
Useful Load	700 lbs
Baggage Capacity	90 lbs
Trailering Width	120 in

Cabin Area

Seats	2
Length	63 in
Width	43.5 in
Height	44.5 in

Performance	*Lycoming IO-540*	*Continental IO-550*
Cruise (typ @ 8000 ft)	260 mph	276 mph
Fuel Consumption (typ)	13.5-15 gph	13.5-15 gph
Range (w/res)	1100 sm	1150 sm
Endurance (w/res)	4 hrs	4 hrs
Rate of Climb @ sea level		
Solo	2700 fpm	3000 fpm
Gross	1950 fpm	2200 fpm
Take Off Roll @ sea level	850 ft	800 ft
Landing Roll	900 ft	900 ft
Stall Speed VsO	65 mph	65 mph
Wing Loading	23 lbs/sq ft	23 lbs/sq ft
Power Loading	8.5 lbs/hp	7.1 lbs/hp
G loading (utility)	+4.4, -2.2	+4.4, -2.2

Continental IO-550-N, 310 hp @ 2700 rpm, 6-cylinder, fuel injected, 3-blade constant speed propeller.

Lycoming IO-540-v4A5, 260 hp, 6-cylinder, fuel injected, 2-blade constant speed propeller.

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LEGACY RG AIRFRAME KIT CONTENTS

- Pre-molded Carbon Composite Airframe Components
- Carbon Composite Cowling
- Assembled Canopy, Inflatable Canopy Seal
- Windows
- Firewall Insulation Blanket & Engine Mount
- Complete Landing Gear and Retract Systems
- Wheels, Brakes, and Tires
- Rudder Control, Pilot/Co-Pilot Braking Systems
- Aileron, Elevator, Control Stick Systems
- Flap Control System
- Elevator, Aileron & Rudder Electric Trim Systems
- Fuel System, Fuel Selector, Fuel Probes, Locking Fuel Caps
- Seat Belts and Shoulder Harnesses
- Pitot Static Kit
- Lights, Antennas, Eyeball Vents, Cabin Heat Assembly
- Speedbrake Pocket Cover, Boost Pump
- Voltage Regulator, Battery, Battery Box
- Necessary Airframe Hardware, Tubing, and Hoses

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