

Liberty XL2 - It's All About Numbers



Since the award of production certification in May of 2006, Liberty Aerospace is on the rise to become one of the most notable aircraft manufacturers in the single engine piston market. The company's one and only model, the Liberty XL2 features a fusion of exemplary design, cutting edge materials, and notable cost savings all in a capable and performing aircraft. Indeed, the marketplace has taken notice of the company.

Over the past year, Liberty Aerospace has delivered 75 aircraft to meet the demands of both the private sector and flight training markets. Worldwide, Liberty has aircraft operating in the UK, Australia, Switzerland, Indonesia, Latvia, and Japan. Liberty is expecting VFR EASA certification to be completed by the time this writing is published, and predicts IFR certification to be awarded shortly thereafter.

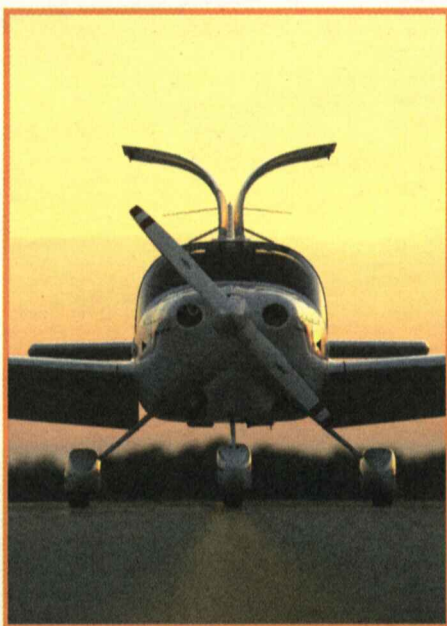
Keith Markley, recently appointed C.E.O. of Liberty Aerospace stated, "We have a fantastic team of people working here. Everyone from management, engineering, production, and sales and marketing is absolutely committed to this aircraft and the success of the company." Since joining Liberty in January 2007, Mr. Markley has streamlined the production process and transformed the companies focus from a developmental state to a competitive, full scale aircraft manufacturer with international clients. Markley added, "This shift was instrumental for the longevity and success of the company, and I believe that the structure we have in place now will meet the demands of our customers across the globe."

Liberty's New Focus

Another major shift for the company has come through the decision to refocus the marketing efforts of the XL2 and place emphasis on low operating costs. By placing the focus on the numbers, Liberty has exposed the true value of the aircraft - the average operating costs of the XL2 are 30-40% lower than traditional airplanes on the market today. In a world with rising fuel and insurance prices, this is something all pilots have come to appreciate.

Critically Acclaimed Design

Designed by the critically acclaimed Ivan Shaw, the Liberty XL2 has several key features all focused towards durability, maintainability, and performance. Most notably, the XL2 exclusively uses carbon fiber for the entire fuselage - right down to the seats. Carbon fiber is well known for its extreme strength and durability in combination with exceptionally light weight. The wing box mechanism is designed for quick and easy removal of the wings; which greatly reduces the time and workload necessary to prepare the aircraft for storage or shipment, and repair any incidental damage. Mr. Keith Markley, stated



Liberty XL2 SPECIFICATIONS

DIMENSIONS	FEET	METERS
Wing Span	28'0"	8.53
Length	20'6"	6.28
Height	7'4"	2.26
Cabin Width	48"	1.22
Aspect Ratio	7:1	2.13:1
Wing Area	122 sq. ft.	10.4 m

WEIGHTS AND LOADING	LBS	KG
Empty Weight	1120	508
Maximum Takeoff Weight	1653	750
Useful Load	533*	242
Baggage Load	100	45
Standard Fuel Capacity	28 US gall	106 liters

PERFORMANCE		
Max Cruise	132 kts.	244 kph
Economy Cruise (65%)	120 kts.	221 kph
Rate of Climb (max takeoff weight)	879 ft./min.	4.5 m/sec.
Takeoff Roll - ground	850 ft.	228.6 m
Landing Roll - ground	850 ft.	228.6 m
Takeoff Roll (50 ft. obstacle)	1250 ft.	331 m
Fuel Consumption	5.0 gph	20.85 lph
Range	500 nm	926 km
Stall Speed - flaps down	41 kts	75 kph
Stall Speed - clean	51 kts.	94 kph
Maneuvering Speed	100 kts.	184 kph
Never Exceed Speed	162 kts.	300 kph
Best Angle of Climb Speed	70 kts.	129 kph
Best Rate of Climb Speed	80 kts.	148 kph



ENGINE

Teledyne Continental 10F-240, 125 hp with FADEC PROP 2-blade fixed pitch

FUSELAGE Pre-preg carbon fiber.

UNDERCARRIAGE Fixed tricycle; steel rod nose gear with castoring wheel;

Aluminum main gear with differential brakes.

*subject to equipment selected

NOTICE: Due to continued product improvement, all specifications and performance figures subject to change without prior notice.

"One of our goals is to reach markets around the world. By utilizing the design of the aircraft, we can keep shipping costs low and deliver the XL2 to any port in any country."

Liberty's Fuel Economy

Perhaps the most significant advantage of the XL2 is the power plant, a Teledyne Continental IOF-240 featuring Full Authority Digital Engine Control (FADEC). This system is incredibly easy to operate, just turn the key and the system takes care of all the dirty work (i.e. management issues). By monitoring engine parameters in real time, FADEC is able to automatically adjust the mixture to the best economy setting. In addition to reduced pilot workloads, the system also allows the XL2 to be incredibly efficient with fuel burn of just 5 gallons per hour at a speed of 120 knots. FADEC also eliminates the possibility of burnt cylinders, wash down, fouled plugs, and hot start procedures. All of this translates into longer lifespan and reduced cost of operation.

The XL2 Has the Owner in Mind

To fulfill its dual role as a touring airplane, the XL2 is remarkably wide and comfortable. A unique 48 inch wide cabin yields generous should room even for two large occupants, and adjustable rudder pedals mean that the aircraft can accommodate a wide range of pilots. Leather interior, a quite cabin, an "arm chair in the sky view," low vibration and high cruise speed all combine to make the XL2 a perfect traveling airplane.



Sounds great, but how does the XL2 fly?

Through a system of push-pull torque tubes (even operating the rudder), the aircraft is able to give the pilot instant and positive control - meaning the XL2 is a downright joy to fly. Control inputs are rewarded with immediate response, yielding a sports car feeling that will put a smile on any pilots face. A docile stall and excellent slow flight characteristics make the XL2 easy to handle in any situation.

A Bright Future for Liberty

The future has never looked brighter for Liberty Aerospace, Inc. Mr. Markley commented, "I am proud of our team and what they have accomplished so far. I am confident that Liberty Aerospace will expand into new markets and take the development of two seat aircraft to a new level. This is reflected by the ever growing interest of both private buyers and flight training organizations around the world. The efforts of Liberty's team have helped to redefine the future of aviation."

More information visit - www.libertyaircraft.com

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- and spend less money getting there..

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