

The Factory behind the Kit

All-in-one from CAM to your individual Kit

High Performance Aircraft HPA was founded in 1997 and is located in Venice, FL (www.international-hpa.com) with a subdivision in the Czech Republic. Our specialists have many years experience in experimental kit production and apply their scientific knowledge in aircraft research and testing to produce your F1 EVO kit.

CAM

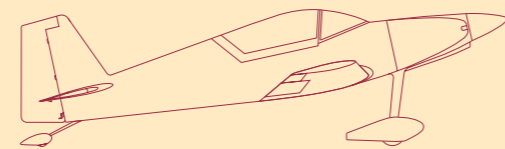
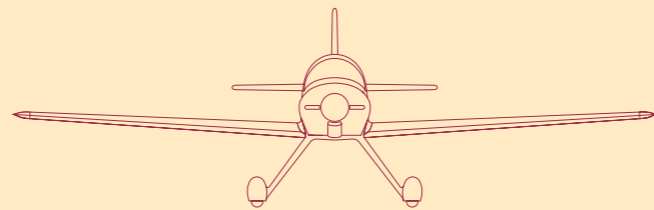
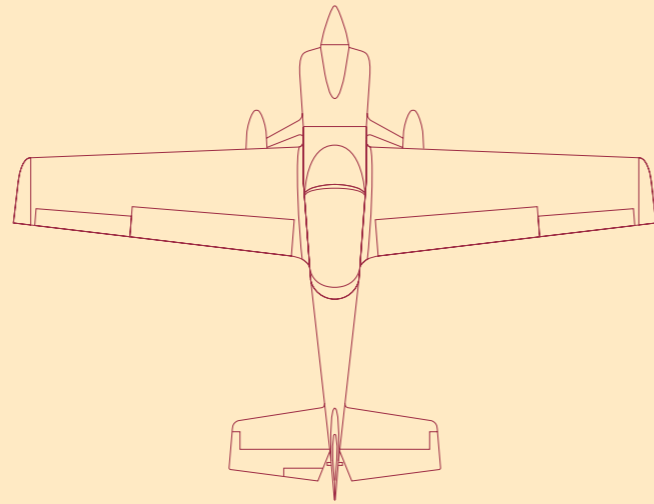
The development and design section of our company creates all production technology ranging from a self-developed basic F1 EVO 3D-CAD model to the final die-blocks, unfolded cutting sketches, assembly jigs, etc., to CNC-machining. A correct and accurate data base, information processing, and production type tooling are the main conditions for correct results, and we have these!

Reliability

The production follows the general quality recommendations for small aircraft producers in Europe. To ensure and prove our production system quality standards we cooperate with The Aircraft Research and Test Institute Laboratories VLZU (Static laboratory, Fatigue laboratory, Material tests) in Prague.

Packaging and Destinations

Our products can be delivered to any destination according to customer requirements, from a small package with a single spare part, up to a container with several kits together.



See the

Evolution

of Experimental Aircraft

EVO



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High Performance Aircraft

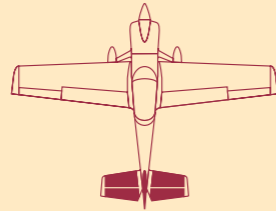
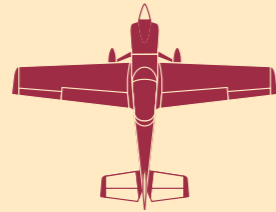
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Introducing the F1 EVO Kits

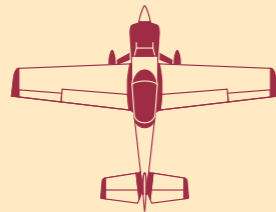
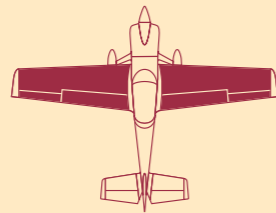
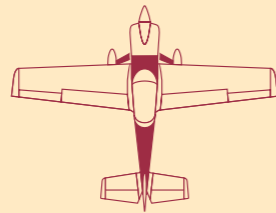
Quick Build Kit

Building Time: 1200 man-hours approx. (including the empennage) contains pre-assembled Fuselage, Wings and the Finish Kit



Unassembled Kit

Building Time: 2000 man-hours approx. including the empennage



Empennage Kit

(not included in the QB Kit) contains spars, ribs and skins to build fin, rudder and elevator including electr. trim servo

Fuselage Kit

with all the bulkheads, assembled firewall and skins

Wings Kit

with all the ribs and skins, factory assembled main spars and fuel tanks

Finish Kit

with the fairings, cowling, sliding canopy, engine mount with landing gear and hardware

F1 EVO Specifications

Top Speed	265 mph	426 km/h	230 kts
Cruise Speed @ 75% Power	240 mph	386 km/h	210 kts
Stall Speed	50 mph	80 km/h	43,5 kts
Range @ 55% Power	1150 mi	1850 km	1000 nm
Rate of Climb @ Sea Level	3500 fpm	17 m/s	
Take Off Run Distance	300 ft	100 m	
Ground Roll Distance	700 ft	220 m	
Power Range	235 – 300+ hp	173 – 220+ kW	
Fuel Capacity	52 gals	196 l	
Empty Weight	1200 lbs	545 kg	
Gross Weight	2000 lbs	908 kg	
Length	21 ft	6,40 m	
Span	25.4 ft	7,75 m	
Wing Area	110 sq ft	10,25 m ²	
No. of Seats	2	2	
Engine used	Lycoming IO-540 (parallel valve type)		
Landing Gear	Taildragger		
Construction Materials	Metal structure and surface with various fairings		

