

The FP-404 EXP

It will turn a love of flying into a passion for flight. Once in the bi-plane cockpit, you can't wait to get into the air. Cruise speed is an invigorating 70 mph, with exceptional stability for hands-off flight capability.



Construction of the FP-404

These bi-planes are available either as a complete kit—which contains everything you need except instruments, paint, varnish and pilot restraint system—or in “pay as you build” partial kits. Aircraft-quality materials are supplied throughout; you simply epoxy the wooden pieces together over the full-size plans.

After the woodwork is completed, it is sealed with polyurethane varnish, covered with heat-shrinkable aircraft fabric, sealed and painted to provide a long-lasting durable airframe.

The average builder can assemble a FP-404 in 500 hours using normal household tools.

Airborne Adventure

The FP-404 represents a reborn era in airborne adventure. This bi-plane aircraft is a throw-back to seat-of-the-pants flying, complete with minimal instruments and bare-necessity controls. The sports car of light-planes, the FP-404 is a flying experience that will leave you flying.

Featuring short wings, full-span ailerons and a semi-symmetrical airfoil, the aircraft answers commands instantaneously. Geodetic wood construction and additional bracing contribute to exceptional structural strength, enough to withstand higher Gs than most lightplanes.

For experimental models, a 50 horsepower Rotax engine pours out more than enough power for exhilarating, 800 feet-per-minute climbs and turns that will push you back in your seat. The plane is as responsive as you are aggressive.

Specifications	
Wingspan	18'
Wing Area	120 sq ft
Wing Gap	2'8"
Aileron Area	14 sq ft
Length	14'6"
Height	5'5"
Tail Span	6'6"
Engine	Rotax 503: 50hp /Rotax 582: 65 hp
Gross Weight	540 lbs
Empty Weight	275 lbs
Max Pilot Weight	200 lbs
Construction Time	500 hrs
Field Assembly Time	15 min

Flight Performance	
Velocity-Never Exceed	90 mph
Top Level Speed	80 mph
Cruise Speed	72 mph
Stall Speed	30 mph
Climb Rate	800 fpm
Take-off Run	125'
Landing Roll	200'
L/D (glide ratio)	8-to-1

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