

The FP-303

Designed to be as portable as possible, the 303's wings are easily removed to rest on the cantilevered horizontal stabilizer. Field assembly time is less than 10 minutes. Once ready to fly, positive steering on the ground is matched by positively magnificent performance in the air. Take-off roll is a scant 100 feet, with climb rate an impressive 800 feet per minute.



In the 303, visibility is always good. The cockpit is situated slightly forward of the wing's leading edge, giving you a clear view of what's above, around and below.

Building the 303

The FP-303 is easy for even the first-time builder to assemble his flying machine. The builder simply glues the pre-cut and slotted pieces together with epoxy over the full-scale plans. Using common household tools, the average builder can be airborne in as little as 300 hours.

Affordability & Flyability Are Within Anyone's Capability

When Fisher's chief aeronautical engineer accepted the task of building a light plane that was inexpensive, yet a joy to fly, the results were simply amazing.

With its open cockpit and compact form, the FP-303 is wind-in-your-face flying that will take your breath away. The 303's controls acknowledge your commands quickly and accurately. Geodetic wood construction ensures the aircraft is solid without feeling heavy, reliable without being burdensome, affordable without sacrificing safety and performance.

To build a plane this simple took some pretty complicated engineering. The engineering staff created a computer program to assist in designing and analyzing the geodetic structures so that the 303 would meet utility category load standards for certified light aircraft.

Using the program as a guide, they simplified the overall air-frame design and replaced many expensive parts with structurally sound but less costly materials.

Flight Performance	
Velocity-Never Exceed	70 mph
Top Level Speed	60 mph
Cruise Speed	45-60 mph @ 65% power
Stall Speed	25 mph
Sea Level Climb Rate	700-800 fpm @ 40 mph
Take-off Run	125'
Landing Roll	125'
L/D (glide ratio)	9-to-1 @ 40 mph

Specifications	
Wingspan	27'8"
Length	16'6"
Height	5'2"
Wing Area	111 sq. ft.
Gross Weight	450 lbs
Empty Weight	235 lbs
Useful Load	215 lbs
Wing Load	4.1 psf
Power Load	18 lb/hp
Design Load Factors	+4.6 – 2.3g
Construction Time	300-500 hrs
Field Assembly Time	5 min

Engine Recommendations: Rotax 227, Rotax 447, Hirth F-33, or Hirth 2702

