



Our goal at ***Wings of Freedom*** is to make your experience with us a pleasurable one. With over 17 years in manufacturing and customer service you can be assured that we will provide you with professional service and care whether you are taking delivery of a Ready to Fly or Building your very own Kit... ***we will be here for you!***

This is Brian L flying his Flitplane, can you tell he loves farming too.



If you love the planes of yesteryear you will love the Flitplane too. The Flitplane looks a little like the 1907 Demoiselle a French design. If you ever watched "Those Magnificent Men & their Flying Machines" you would know to what I am referring to. The swept back wing and the Faulkner style tail feathers only adds to its charm. More importantly the flight characteristics of the Flitplane are crisp and accurate, with 144sq ft. of wing area the stall speeds are slow and the full wing ailerons keep you in control. The Flitplane has been available in plans form since 1994 and they are still available (see Homebuilt Plans) and now it is available Ready to Fly or in Kit form as well.

Wings of Freedom LLC
150 Christian Ave
Hubbard, OH 44425

Phone 330-534-5548 Fax 888-344-7054
contact@wingsoffreedomaviation.com
www.wingsoffreedomaviation.com

Flitplane



Standard Features...for 2014 include all of these items

Standard Features: Pre-welded 4130 Chromalloy Steel Fuselage, Swept Wing with 1.7oz Fabric Covering, Powered with a Hirth F-23 Dual CDI 28hp Engine, 2 Blade Wood Propeller, 5 Gal Fuel Tank, Tiny-Tach with Hour Meter, Halls Air Speed Indicator, 6" Nylon Wheels, Windscreen, Three Axis Control with Full Wing Aileron's, Kevlar Seat & Four Pt Harness.

Specifications:

Configuration	Single-place
Empty Weight	240 lbs
Gross Weight	600 lbs
Wingspan	27'
Length	15' 9" / 6'
Height	
Wing Area	145 ft ²
Wing Loading	3.4 lb/ ft ²
Power Loading	14.3 lb/hp
Engine	Hirth F-23 33 hp
Reduction Drive	4 V Belt Reduction 2.5:1
Rate of Climb	400 fpm
Take-Off & Landing Distance	150-250 ft (depending on gross weight)
Propeller	Maximum diameter 66"

**Complete Kit
\$13,600**

**Real Building
Time
100-150 hrs.**

Flying

It...

PRICELESS

Wings of Freedom LLC
150 Christian Ave
Hubbard, OH 44425

Phone 330-534-5548 Fax 888-344-7054
contact@wingsoffreedomaviation.com
www.wingsoffreedomaviation.com

Flitplane

Flitplane Kit without engine and propeller \$9532.00

Engine Options

Hirth F-23 50hp. Dual Carb, Dual CDI, Air Cooled, Belt Drive	\$5300.00
Hirth F-33 28hp. SC, Dual CDI, Air Cooled, Belt Drive	\$3300.00
Kawasaki 440 40hp. SC, SCDI, Air Cooled, Belt Drive	\$4200.00
Rotax 447 40 hp. SC, SCDI, Fan Cooled, B Gear Box	\$3900.00
MZ-201 45hp. SC, Dual CDI, Air Cooled, Belt Drive	\$4400.00

Accessories for Engines, Brakes, Propellers and Much More

Ready to Fly (includes engine brake in & test flown)	\$4500.00
Motor Mount Plate and Exhaust Routing for all Engines	\$300.00
Ultra Red Top Battery, Box & Ignition Switches	\$200.00
Electric Starter for Rotax & Kawasaki	\$450.00
2-Blade Tennessee Wood Propeller 66x32 LH	\$468.00
2-Blade Tennessee Wood Propeller 60x28 LH	\$425.00
2-Blade Powerfin Composite Propeller	\$657.00
3-Blade Powerfin Composite Propeller	\$866.00
Tinted Windscreen (w/exch)	\$50.00
Streamline Strut Covers	\$275.00
Mechanical Disk Brake set for any size wheel	\$275.00
Mechanical Drum Brake set for any size wheel	\$125.00
6" Hegar Alum. wheels w/ Hydraulic Brakes (w/exch.)	\$600.00
6" Aluminum wheels and tires (w/exch.)	\$75.00
8" Tundra Aluminum wheels and tires (w/exch.)	\$150.00
15" Tundra Tire with Aluminum Wheels and Tires (w/exch.)	\$175.00
20" Jenny Style Spooked Wheel and Tires (w/exch.)	\$220.00
Wheel Pants	\$300.00
Larger MX style Fuel Tank 6 or 8 Gallon (w/exch.)	\$50.00
BRS Recovery System (600 lbs. soft pack) with S/H	\$3649.00
Power Coated Fuselage	\$1000.00
Jet Coat Muffler	\$200.00
Custom paint jobs and instrument panel work (call for quote)...	

Note: Pricing does not include crating and shipping cost. Call for a shipping and handling quote and to confirm current prices. Fill out the enclosed order form and return to **Wings of Freedom LLC** either by mail or fax.

Flitplane

Limitations V Speeds:

These speeds may vary depending on owner/operator adjustments.

Wings of Freedom LLC recommends that factory adjustments should not be modified.

Vne	70 mph	Never exceed speed
Va	50 mph	Design maneuvering speed
Vy	45 mph	Best rate of climb speed
Vx	40 mph	Best angle of climb speed
Vsi	28-34 mph	Stall speed clean (depending on gross weight)
Vr	30 mph	Rotation speed
	15 mph	Maximum cross wind component (depending on pilot experience)
	25 mph	Recommended maximum wind speeds (depending on pilot experience)
	45 degrees	Maximum bank angle
	30 degrees	Maximum pitch up or down

Normal Take-Off:

Use full throttle, accelerate to 30 mph, rotate, and climb at Vy 45 mph. Clear all obstacles. Accelerate to cruise flight.

Short Field Take-Off:

Use full power, accelerate to 30 mph, rotate, and climb at Vx 40 mph. Clear all obstacles. Accelerate to Vy 45 mph. Resume cruise.

Cruise Flight:

Which ever engine is chosen flight cruise will be between 45-63 mph.

Flitplane

Descent:

Reduce Power and or adjust pitch to maintain 45-50 mph.

Normal Landing:

Enter pattern at 50 mph on downwind. Reduce speed to a minimum of 40 - 45 mph from base to final. Wheels touch down 30 mph. With power off, pull back on stick to get the steerable tail wheel on the ground for control. Apply brakes as needed

Short Field Landing or Over an Obstacle:

Enter pattern at 50 mph on downwind in final you may apply a slip as needed. Reduce speed to minimum 40 - 45 mph from base to final. Wheels touch down at 30mph. With power off, pull back on stick to get the steerable nose wheel on ground for control. Apply brakes as needed.

Cross Wind Landing:

Normal landing using cross wind landing techniques.

Stalls:

Reduce speed to 28-34 mph (depending on gross weight). Stall will break straight forward when coordinated. Use normal stall recovery techniques.

Spins and Aerobatic Flight are PROHIBITED!