



Bear 360

The 360 horsepower, all-metal, two-seat tandem, 6G aircraft for the fighter pilot that lives in all of us.



BEAR
A I R C R A F T

Pure joy from run-up, to ring-out, to shut-down.

This aircraft takes its name from its resemblance to the Grumman F8F Bearcat and the 360 horsepower of the M14P which powers it. The Bear 360 was designed by one of Russia's premier aircraft designers; Sergey Yakovlev and the insight of the United State's highest-time combat pilot, and renowned test pilot, Skip Holm. In short, it's a fighter pilot's airplane built by those who build fighter aircraft.

Powered by one of the most reliable engines ever manufactured; the Vandenev M-14 P, supercharged, air cooled reciprocating nine cylinder radial engine provides 360 horsepower. The M-14 P is currently being used on other aircraft sold in the USA, such as the Sukhoi SU-26, SU-29, the Yakovlev Yak-12, Yak-18, and Yak 50, Yak 52, Yak 55 series aircraft, as well as American manufactured aircraft such as the Pitts Spider, numerous agricultural aircraft and kit aircraft.

The Bear 360 aircraft is a high performance all-metal low wing monoplane. Its large two-place tandem seated cockpit has dual flight controls. Instrumentation in the front cockpit is current US technology avionics, including a Dynon D100 EFIS and Garmin 430 GPS standard. Sold in the experimental category, the Bear 360 is built to stringent Russian Military specification and is a fully documented FAR Part 23 engineered aircraft and has undergone over 1000 hours of wind tunnel testing in a certified testing



tunnel; furthermore it has been load tested to destruction in a certified structural testing facility. It has been flight-tested to US military aircraft industry and FAA industry standards by a US test pilot.

If your heart beats a little faster every time you see a warbird and hear the throaty roar of a mighty radial engine—this is the aircraft you've always wanted.

Specifications

Gross Weight	2760 LBS
Fuel Capacity	73 GAL
Horsepower	360 HP
Length.....	23.25 FT
Wingspan.....	23.10 FT
Wing area.....	93 SQ FT
Wing loading (gross).....	29 lbs./ SQ FT
T/O Roll @ (sea level, standard day).....	780 FT
Over 50 Ft Obstacle	1050 FT
Landing.....	825 FT
Over 50 Ft Obstacle	1100 FT
Rate of Climb (sea level)	1850 FPM
V _{ne}	305 KIAS

Performance

Max Cruise @ (sea level).....	250 KIAS
75% Cruise @ (sea level).....	210 KIAS
Stall (clean).....	78 KIAS
Stall (landing configuration)	70 KIAS
Max Range @ SL (20 Min reserve).....	890 NM
Max Roll Rate.....	180°/Second
Max 'G'	+6, -3
Fuel.....	100LL
Maximum V _{ne} speed	305 KIAS
Maneuvering speed.....	No Limit

Features & Options

- 420 HP M14 PF
- High speed propeller
- Large spinner with afterbody
- Two Canopy styles
- Centerline Fuel Drop Tank
- Under wing pylons
- Steerable tailwheel

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