

Comeau Aerospace Inc. - Advanced Projects
The Ultimate Flying Machine - Design Engineering Advanced Projects

CAI-832 Aero Express

CAI-832 Aero Express based on the original design work of the CAI-50 AE-v/stol "50 Calibre". This design optimizes V/STOL technology (Vertical/Short Take Off & Landing) to an exhilarating altitude! Integrating super caliber aerodynamic and performance characteristics, bold aircraft design elements with advanced technology, materials, manufacturing, propulsion and flight control systems, to redefine the ultimate flying machine.

- Flying squirrel design incorporating stealth and exceptional glide ratio.
- high compliance maneuvers and high speed directional stability.
- Super high strength and light weight for ultimate structural integrity.
- Innovative 4D thrust vectoring, inertial sensors and special flight control systems.
- Optimized power, propulsion and efficiency characteristics.
- Massive thrust generated by a revolutionary V/STOL power propulsion design.
- NTPI-Advanced Pulsejet array, variable geometry for infinite flight scenarios.
- huge reduction in moving parts, robust massive increase in reliability and performance.
- Electro-dynamic technology, low acoustic, infrared and electronic signature.
- Safe, precise and efficient aircraft handling in any terrain, weather or environment.
- Dual canopies for easy access and wide open view, variable electric tint.
- Executive command style to take-off and touch down anywhere!
- Retractable heavy duty landing gear.
- Manual and automatic takeoff and landing, custom handling and flight routines.
- Impressive low speed flight, landing, takeoff and hovering qualities.
- High performance handling, speed and range.
- All weather IFR and de-icing systems.
- Personal, Business, Search and Rescue, Special Operations...
- Optional: auxiliary equipment

CAI-832 Aero Express v/stol – mission specifications

- Range: 1,500 nm
- empty weight: 4,000 pounds
- Max speed: 500 kts
- length: X', wingspan: X'
- 4 passenger and cargo
- service ceiling 30,000'
- 6,000 fpm climb rate
- useful load: 2,000 pounds
- fuel load:

Jetstream Vision

- *Price:* est. \$5 million
- *Production Vision:* initial 4+ aircraft; 20+ aircraft within 5 years
- *Service & Maintenance Vision:* high service life hours, low maintenance
- *Job Creation Vision:* 100 long term jobs, high value added
- *Investment & Acquisition Vision:*
- *Pilot Vision:* futuristic design with high velocity state of the art and science

CAI-832 Aero Express

The ultimate flying machine adventure.