

"Bluebell" Supernova Sportbike

The Bluebell Supernova is a high-performance sports and civilian airbike manufactured by [Havok Motors](#) and designed specifically for [Elysian](#) use.

About the Bluebell

The Bluebell Supernova is a high-speed, high-performance sport airbike designed specifically for use by Elysians (although anyone can use it with modifications). Its small design and powerful engine allows the rider to reach astonishing speeds both close and far from the ground. Utilizing the natural wing structure of Elysians for additional lift and control, the rider and the bike control as one.

While its performance comes at a hefty price tag compared to more civilian-suited bikes, the Supernova comes with basic customization from [Havok Customs](#) to suit the riders stature, skill, and preferences.

Key Features

- Lightweight and aerodynamic shape
- High top speed
- High Maneuverability
- Wing-Based User Control
- Custom-tuned [HONEY BURST](#) Fusion Reactor
- Triple fuel cell
- Plasma-based reaction control and afterburners

History

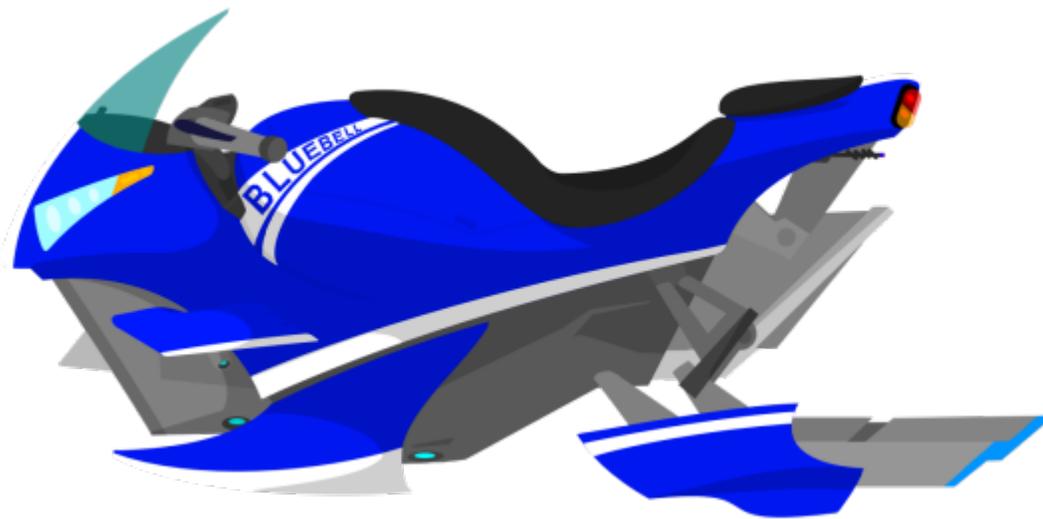
While the concept was first formed in [YE 39](#), development for the Supernova [started in early YE 40](#), with the first concept drafts produced by [Anastasia Barlow](#). The original prototypes for the bike was based as a modification to the existing Origin [Nova Series Airbikes](#), named the "Supernova" as it intended to be a Elysian racing equivalent to the original machine. The original drafts for the Supernova had a more "pocket rocket" vibe to them, but as development on the project grew the potential for a new product presented itself. The bike was extended to feature a triple fuel cell reactor as opposed to double, and the first model earned its nickname, "Bluebell", from one of Havok's most unfortunate culinary enthusiasts, [Bluebell](#).

The bike still takes heavy inspiration from the original Nova series bikes in its shape in structure, but has been redesigned for more high-octane thrill-seekers. The bike was designed with Elysian wings in mind, using their natural shape to produce high speed, high maneuverability reactor assisted flight that could make a Patrician stagger.

Appearance

The Supernova is a slightly front-heavy design, with a rounded scoop at the front of the bike that rests on top of the main turbine air intake. A small windshield extends from the top of the scoop, which sets in front of the fuel cell tank and handlebars. The handlebars of the bike are mounted towards the front, sitting in a recessed cavity that divides the front cowling and the fuel tank. Small curved shields protect the front of the handlebar's grips from wind resistance, diverting it out to the side of the bike. Two small stabilizers extend out from either side of the front scoop. Taking after the 1A model of the Nova bike, the foot pedals are stretched farther back on the bike, leaving the rider in a laying position across the bike's curved leather seat. An additional pad is stretched across the top of the fuel tank, providing better comfort for endurance racing.

Beneath the seat lies most of the main components and systems for the bike, protected at the side by a lightweight covering. The bike's overall short length is extended towards the back by two plasma afterburners, which rest at either side of the main engine below the foot pedals. Curved coverings keep the user shielded from any heat, and small fins extend from their outer side for increased stability and style. At the back of the rider's seat is a small cargo box with a lightly padded exterior that helps keep the rider on the bike while maneuvering.



The bike is made of lightweight materials and is primarily blue with dark grey coverings and broad white pinstripes running across the body plating. The most commonly made colors are blue, red, green, orange, black, white, and dark cherry, but any color and design can be made at Havok Customs. "BLUEBELL" is painted in blue lettering, breaking up the pinstripe that runs along the left side of the fuel tank cover.

Statistical Information

The Bluebell is produced by [Havok Motors](#), and as of mid-YE 40, is currently available to public order in limited batch production.

Type: Racing, Stunt, Customized Civilian Class: Airbike Designer: [Anastasia Barlow](#) Manufacturer: [Havok Motors / Customs](#) Production: Batch Production **Price:** 12,000 KS **Max load:** 180 Kilograms **Riders:** 1 **Passenger Capacity:** 2

Dimensions

The Bluebell is rectangular in dimensions, being a little longer than it is taller, and it's short length is extended by it's twin afterburners.

Length: 1.4 meters (main bike) 1.8 meters (with afterburners) Width: .5 meters Height: .9 meter

Performance

The Bluebell is designed to draw main thrust power from two or three fuel cells at once, giving the bike high acceleration and top speed at the drawback of fuel efficiency. Applying afterburners notably decreases power handling.

Ground speed: 300 KM/H (Civilian) 525 KM/H (Racing) **Air speed:** 250 KM/H (Civilian) 450 KM/H (Racing) **Max Altitude:** 1,000 feet above ground level safety cap. 2,500 hard cap. Lifespan: 5-15 years **Maintenance Cycle:** Every one to four months, depending on use and activity.

Vehicle Systems

The Bluebell Supernova comes equipped with its own suite of on-board safety, automatic, fine control, and navigation systems.

Controls

The bike is controlled primarily by handlebars, and maneuvered with wing maneuvers. Handlebars control the bikes direction and speed. When the handlebars are turned, small nozzles which blow the hot plasma jets in the opposite direction the bike is turning. Revving the throttle is controlled by pulling back on the right handlebar, and cruise control is engaged by holding back on the left. The handlebar can be locked in place by locking a switch at the left handlebar.

Brakes are applied by two methods. The first is pulling back the front grip levers ahead of the handlebars at the same time, and the second is by pulling both pedals in towards the rider at once. Applying both at once will cause a more forced stop.

The bike is maneuvered in part by the Elysian rider. By flexing and bending their wings, the bike can twirl, turn, rise, descend, twist, and flip at their will. At low speeds this requires a lot of wing extending, but at high speeds small movements can make all the difference in the world. Reactive gyroscopes and

sensors help the bike make minute corrections to keep the bike stable while doing wing maneuvers (to keep the bike from spinning too far out of control. This control feature requires a preliminary user setup involving wing dimensions, weight, and strength.

Miscellaneous Systems

Lights: The Supernova has a full set of bright LED headlights and taillights, which are laid in curved triangle formations.

Cargo Box: behind the rider, and above the exhaust is a very small cargo box that can be used to store a little bit of cargo. The top of the box is cushioned for extra comfort and rider support.

Safety Cord

While riding, a bracelet is attached to the user's dominant forearm. This solid bracelet is made from a strong alloy, and is attached to two cords of varying thickness. The thinner cord will snap if the user falls off the bike, triggering safety features to slow the bike and prepare for a smooth landing. The **optional** thicker cord is longer, and is used purely to help keep the user from falling to their death. If need be, the bracelet can be disconnected by pulling a flat switch on it's side. The bracelet must be secured to exceed city speeds or go above 200 feet in altitude. The thicker cord can be detached if the user is confident in their jacket's safety features, at their own risk.

Computers and Electronics

The Supernovarnova has an on-board computer attached to a custom suite of sensors that measure speed, altitude, rotation, resistance, and other variables to help keep the rider in control of the bike at high speeds. Given the control methods for the bike, the computer is customized to each user's weight, wingspan, and strength.

Propulsion and Power

The Supernova is powered by a modified **HONEY BURST** Fusion reactor. The Fuel supply is a Triple fuel cell supply, located in the tank beneath the controls and handlebar (accessed via a side panel). The bike is propelled by two means, one being a fusion turbine located at the front of the bike, and the second being a set of long dual afterburners located at the tail end of the bike. These afterburners are plasma-based for quick bursts of speed and draw power from the third fuel cell. Power-turning strength is reduced while the afterburners are drawing power, so it should be used in more open stretches.

Floation

When the Supernova is traveling at speeds below 150 KM/H, several small nozzles in the bottom which

blow hot air down towards the ground, keeping the Nova from hitting it. This feature is automatically disabled when traveling above 150 KM/H.

OOC Notes

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