

HYDRA COLLECTION by Gray Design

Sweden, 31 Oct, 2017

HYDRAFOIL

Forged in the depths of innovation, from a blend of technology, style and speed, comes the Hydrafoil, a luxurious, high speed electric hydrofoil created to usher in a new era in seafaring.

This instant icon has been designed to be at the peak of marine technology with a steerable front foil, allowing three degrees of freedom that can make adjustments 32 times per second for the ultimate amount of control at high speed.

The design features sleek automotive styling both on the exterior and on the interior with full wrap-around limousine seats, multiple infotainment displays and even bespoke baggage for longer adventures.

The pilot house features an unbroken, state-of-the-art, 30 inch curved display screen from Yacht Defined. This provides a huge display surface that collects all the essential information from the yacht presented with beautiful graphics with a simple jog wheel control system to make it easy to navigate the information even at high speeds.

The drivetrain is a single 100hp electric motor running on a series of lithium ion batteries. Once the foil has lifted the yacht clear of the water, it can go on to reach a stable top speed of 40 knots. The low resistance made possible by the foil means that the yacht has a range of 45 miles on a single charge. Twin 50 amp charging cables allow it to be fully recharged within 5 hours.

The entire hull is constructed from a combination of carbon fiber and kevlar composite to give a high strength, lightweight construction that can withstand the rigours required for high speed performance.

SPECIFICATION

- Overall length 9.5m
- Beam 4.2m
- Draught 1.6m
- Displacement 3,200kg
- Cruising speed 20 mph
- Fast cruising 38-46 mph
- Range (cruising speed) 45 miles

HYDRA

A 'Woody' for tomorrow, because legends should not be forgotten, nor ignored. The very nature of woodgrain makes it the perfect compliment for individualized luxurious automotive creations, reminding us of the bespoke coachbuilding masters of the past.

The Hydra concept is not only special because of its choice of exclusive natural materials but because of the company that it keeps. It makes up a third of the Hydra Collection from Gray Design, a trio of exclusive matching vehicles, designed to appeal to the obsessive compulsive tendencies of the world's leading vehicle collectors. Alongside it in the collection are the Hydrafoil, a high speed, open top hydrofoil, and the Hydros, an electric cruising motorcycle with matching wooden trim and automotive styling.

As the car is developed in Trollhättan, the powertrain will be based on the new NEVS electrical drive system which will be tuned to develop 450 hp through in-wheel electric motors and allow the Hydra to reach a limited top speed of 215 kph.

HYDROS

Currently in build, the Hydros is a venture by Gray Design into the world of electrically powered motorcycles. A medium sized in-house project, we are moving towards registering and testing the Hydros on the open roads shortly with the design intent as illustrated below. The current prototype uses a powertrain from ZERO motorcycles, and once testing is completed, we will be moving onto a custom built powertrain tailored to our requirements.

The design incorporates a premium audio sound system with a subwoofer and midrange speakers built into the body.

About Gray Design

Disruptive design is a leading philosophy at Gray Design. Our studio unabashedly brings the passion of automotive styling to yacht design to create emotive, highly characteristic and unique proposals which are gently influencing the way we perceive naval architecture. As pioneers in this design revolution, we have had the privilege to work with other innovators in this field, collaborating with Palmer Johnson on the Supersport and working with Burgess on our own in-house designs.

What has now become a hallmark of our work is the creation of a suite of vehicles around a design theme that completely covers the transportation spectrum, from superyachts to tenders, limousines, supercars and even motorcycles. This comes from our focus on holistic design, which means that each component must work in harmony with the surrounding components, creating a unified design that together form a complete design vision.

We're passionate about sustainable design and strive to find clean, environmentally friendly and efficient solutions where possible that can become a literal flagship for tomorrow's technologies. We're interested in new ideas and innovations, so feel free to get in touch about your next project.