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### Hysucat 850 Extreme - Catamaran RIB



#### Hull Design:

Asymmetrical Catamaran

#### Hydrofoil Characteristics:

Lift / Damping

#### Construction:

GRP / Fibreglass

#### Recommended Engines:

Single: 150 hp to 250 hp

Twin: 90 hp to 150 hp

Hysucat 850 Extreme - Catamaran RIB is fitted with a hydrofoil system that is designed to increase speed and load-carrying capacity. The lifting and damping effect of the hydrofoil also reduces human fatigue as the craft is partially flying on the surface of the water. Operational benefits include reduced wake, reduced fuel consumption and increased range.

Hysucat 850 Extreme has been designed with a high bow and large sponsons for dry and safe operations, particularly in heavy sea conditions. All-round safety rails are an option and the large console can accommodate a toilet. The deck area is designed to be modular with a variety of layout options that can provide seating for up to 14 people. The high payload carrying capacity of the Hysucat 850 Extreme make it suitable for personnel or cargo transport operations.

HYSUCAT stands for Hydrofoil Supported Catamaran. The HYSUCAT principle uses a hydrofoil system in the tunnel between the two asymmetric hulls which carries part of the craft's weight at speed. The hydrofoil system consists of a main foil located slightly forward of the crafts centre of gravity between, and parallel with, the bottom of the twin hulls. There are two smaller 'trim' foils in the tunnel near the transom which act like tail wings on an aircraft to provide longitudinal trim stabilisation of the hull.

When the craft is moving, the hydrofoils create dynamic lift for early planing and reduced wetted area. This results in decreased drag and reduced wake. Less resistance and increased buoyancy enable the Hysucat to carry more weight at speed with less power. The hydrofoil technology can also provide high speed operations in excess of 70 knots for specialist naval operations and law enforcement.

#### Hysucat Marine clients include:-

Professional user information to follow

#### Contact Details:-

Hysucat Marine International  
7013 Hwy 92 East Bath, NC 27808 TEL: 1-844-497-8228

#### Email Enquiry Form To Follow

#### More information

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