

neo  400+



neo 
yachts & composites

YACHT DATA

MEASURES & WEIGHT

- Length (LOA): **12,70 mt**
- Length (LWL): **11,50 m**
- Beam (Bmax): **3,99 mt**
- Draft: **2,70 or 3,00 mt**
- Displacement (Light): **5200kg**
- Ballast: **2245 kg**
- Keel: **2500 kg**
- ORC GPH: **528/533**
- IRC TCF: **1.185/1200**

ENGINE/OMOLOGATION/CREW

- Engine: **Saildrive 30 hp**
- CE Category: **A - Ocean**
- Crew Max: **10**

WATER & FUEL

- Water Tanks: **200 lt**
- Fuel Tanks: **100 lt**



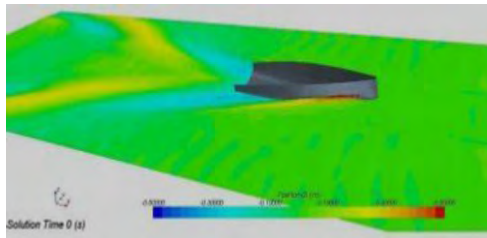
neo  400+

THE VISION

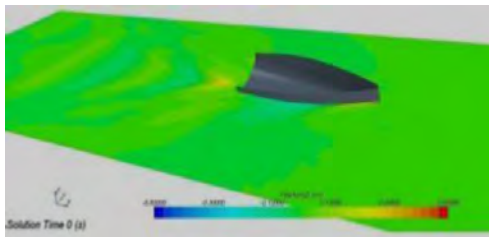
neo  400+

is a **fast light cruiser/racer** designed and built with a special eye to ORCi and IRC rules to be the smallest yacht of the A group (Orc) /class 1 IRC.

NEO 400+ is the **FASTEST CRUISING 42'** on the water in the world: **25 knts boat speed** certified up to now.



Cfd downwind



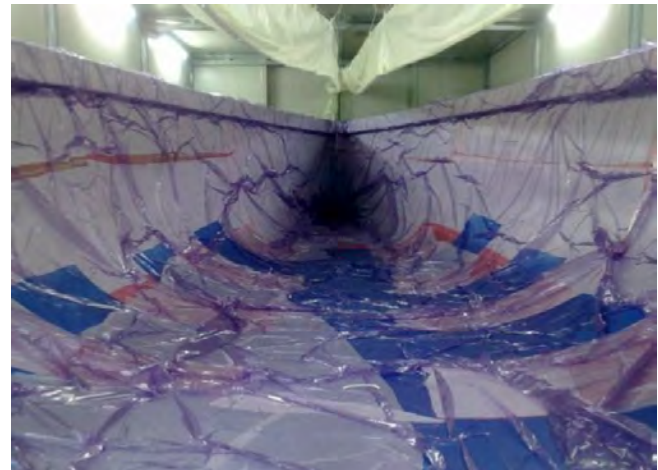
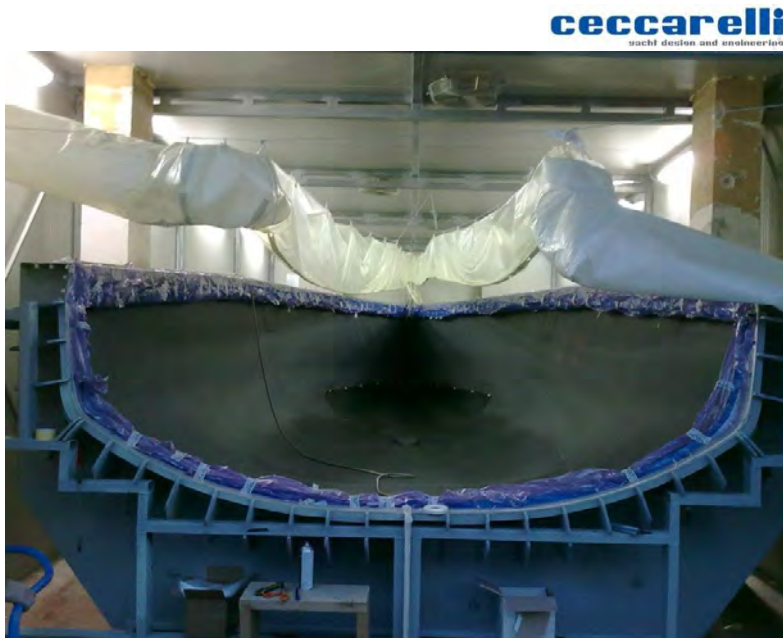
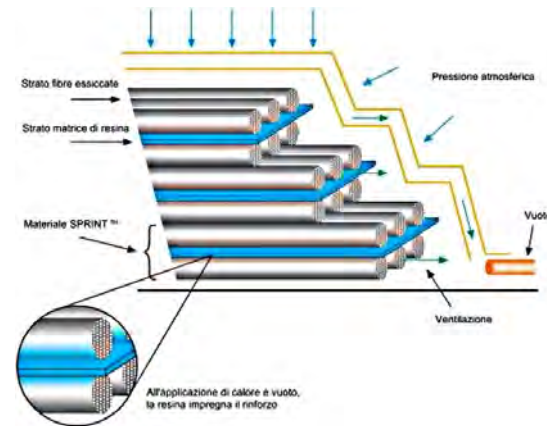
Cfd upwind

- A real cruiser-racer
- Neo 400+ has been designed with a special attention to have the maximum on water performances of a given boat length.
- We decide to place the performance of the boat in a clean part of the fleet, in free air, in front of most of the bigger cruising boats.
- CFD has validated the best among a wide range of hull shapes both upwind and downwind
- Blinking an eye to offshore racing, NEO is perfect as well for real cruising.
- Sailing fast, sleeping comfortably and cooking at same time.



STATE OF THE ART FULL CARBON CONSTRUCTION

- Direct female mould
- Prepreg and infusion technology
- Epoxi resin cured at 70°
- Multiaxial and unidirectional carbon fibers
- A light and strong structure allows a light displacement yacht with 50% of the weight in the keel
- Category A yacht engineered by





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DECK DETAILS

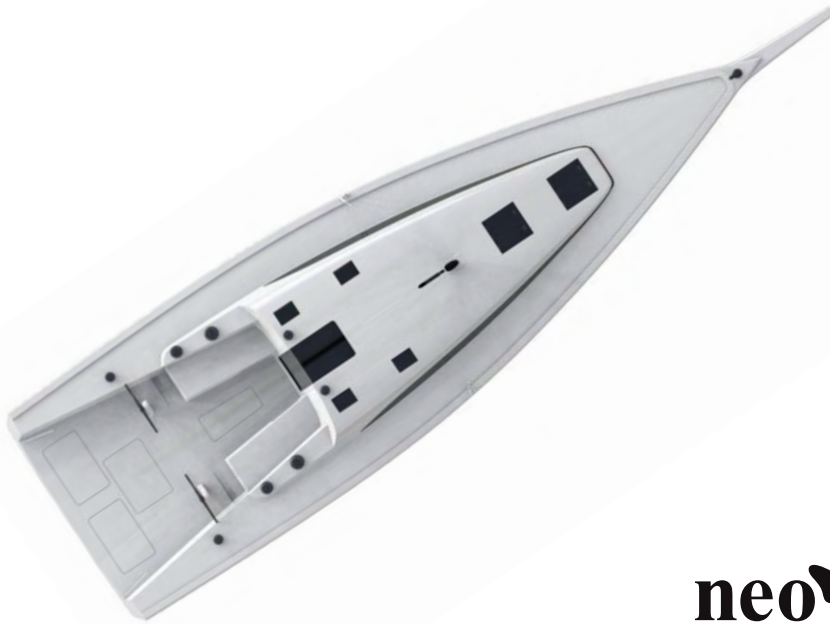


PLANING ATTITUDE



OFFSHORE SAILING ATTITUDE

MORE SPACE OUTSIDE AND INSIDE THEN A BIGGER BOAT



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OFFSHORE SAILING ATTITUDE

- A **deck plan** designed by people who know what racing means
- A wide cockpit **comfortable** while cruising, **ergonomic** while racing
- On deck mast, on deck manouvers, make **Neo 400+** safe and dry
- Waterproof bulkheads give Neo serious **offshore sailing attitude**





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- Low profile cabin is well integrated in a modern design concept
- Flush, curves, continuous windows
- Reverse bow emphasizes virtual water length keeping boat dry
- Concave sheerline for beam effect
- Composite stanchions and pulpits maintain outline clean and light

CLEVER

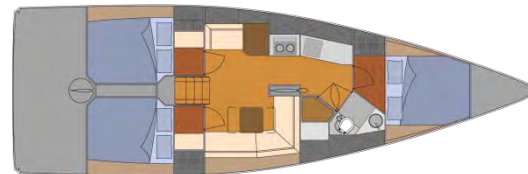
THE LOFT VERSION



- An innovative solution for **maximum living space** under sail
- **Long sailbags** can be stored on the side of the centerboard case
- **3 pivoting beds** allow comfortable sleep to the windward side for max stability when sailing in strong wind
- **The front dinette** allows great dining space for 10 people
- It is ideal when **dropping sails** during the race
- It can be transformed in a comfortable **double beds big cabin**



T4T version
2 cabins, 2 baths +
separate shower



SPC version
3 cabins, 1 baths +
separate shower



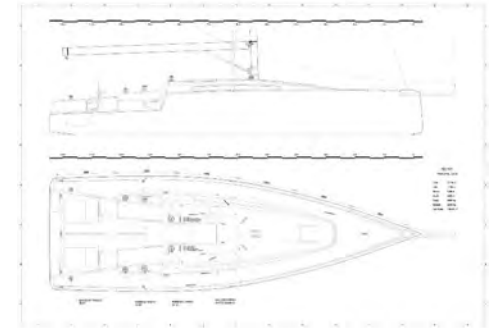
COMPOSITE INTERNALS

- Modern
- Efficient
- Long lasting

PIVOTING BERTHS

3 people can comfortably sleep to windward in the back part of the yacht even when sailing in rough seas





neo 400+

- Easy to clean & Bright
- Multipurpose
- Rounded edges for safety & style



Service
seats for
heeled boat





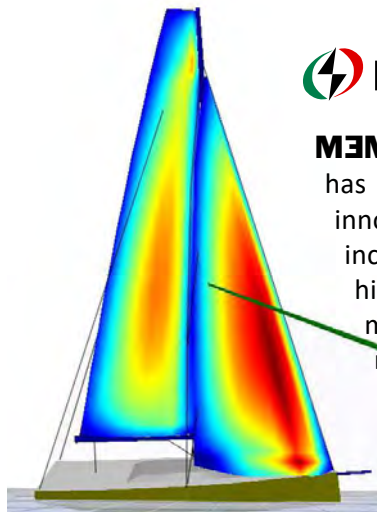
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SAIL PLAN

MEASURES & WEIGHT

- Sail Area Upwind: 105 m²
- Sail Area Downwind (Gennaker): 230 m²
- Main Sail Area: 60 m²
- Jib Area: 45 m²
- Assymmetric Spi Area: 170 m²
- Concept: Neo Yachts & Composites
- Builder: Neo Yachts & Composites
- Designer: Ceccarelli Yacht Design



MEMBRANE software has been used to develop innovative sailplan which includes big foretriangle, hi aspect square top mainsail and 165 square meter asymmetric on fixed bowsprit.



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"the fastest and strongest Cruising Yachts in the world"

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