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beyond yachting experience

Explorer 40.22

Cantiere delle Marche is glad to announce that another contract has been recently signed: Explorer 40.22, a 40-metre ocean-going yacht designed by Tommaso Spadolini with naval architecture and engineering by Hydro Tec.

Explorer 40.22 is another example of CdM's ingenious approach to yachting. Her clean and well-defined lines are undoubtedly those of a pure expedition vessel besides being cohesive to CdM's tradition. CdM's Explorer 40.22 encompasses all qualities that define a top-class explorer yacht.

First and foremost Explorer 40.22 has been designed to handle all weather conditions. Being an explorer yacht she has a very efficient, sea-kindly and sea-worthy hull form. Safety and comfort of guests and crew are at the forefront of her design. Another distinguishing feature of Explorer 40.22 comes with how far she can navigate without refueling. Proven high-end equipments in a large and well laid out engine room designed for ease of service by crew is another fundamental feature of Explorer 40.22.

"This project stems from a client who wishes to have a strong, comfortable, reliable vessel featuring technical characteristics similar to that of a merchant ship. He is indeed an Italian shipowner and has a vast knowledge of the yachting market." says **Vasco Buonpensiere**, co-founder and Sales and Marketing Director at CdM. *"He asked for a robust steel construction along with system redundancy and proven commercial-grade components to make his new yacht capable and reliable while maximizing quality of life aboard,"* Buonpensiere adds. *Throughout the design and building process the Owner avails himself of a team of technical consultants that usually work with him. "The yacht is designed for family use with top class service, yet all family members don't disdain to be involved in all sort of activities on board, cooking included,"* Vasco Buonpensiere says.

Taking a look at both her exterior design and interior layout, it can be seen that the purpose of Explorer 40.22 is twofold. Firstly she offers comfortable cruising to her guests and secondly she allows exclusive and extended holidays 'far from the madding crowd'.

"I worked with this client many times in the past and two of his most recent yachts bring my signature," says Florentine designer **Tommaso Spadolini**. *"He asked me for a clean and simple silhouette and generous interior/exterior areas to provide him and his family plenty of spaces to spend long holidays in total relax. These may seem very common requirements for a large yacht, yet he gave us precise indications about how private and social areas should be calibrated. He is an experienced yacht owner and he is aware of his family's expectations and habits."* As for Explorer 40.22's interior design, the Owner asked Spadolini for an elegant yet understated style. *"The yacht will feature 7 guest suites, and 4 cabins for Captain and crew. All areas, both interior and exterior ones, both private and social, will pamper, delight and entertain all on board as they are on holiday,"* says Spadolini.



“The yacht has been designed to the standards set by a very experienced client who decided to switch from a planning yacht to a displacement one,” says Sergio Cutolo, founder and team leader at Hydro Tec. “Explorer 40.22 has been a totally new challenge for us,” Sergio maintains. “The beautiful design from Studio Spadolini required the highest degree of integration with the naval architecture and engineering to keep its unicity and perfect balance. Having already worked with Tommaso Spadolini, this was a successful and smooth process. The naval architectural aspects have been influenced by the peculiar weight distribution and from the bow profile that has been designed to the Owner’s Specific esthetic requirements. The hull is a typical round bilge displacement hull, with generous bulbous bow and flat sections aft. The beam/draught ratio has been taken to an optimal value and special provisions were taken to allow for high diameter/high efficiency propellers. Maximum speed will be higher compared to similar designs, and this was duly considered in designing the waterlines. From the structural point of view we minimized the impact of the structures on the hull and superstructures to maximize internal spaces. In the superstructure we managed to create the perfect match between the designed interior layout and windows positioning/size.”

With a length overall of 42 metres and a beam of 8,50 metres, Explorer 40.22 will have a displacement at full load of approximately 400 tons. Powered by two Caterpillar C32 Acert delivering 970kW each at 2100rpm, Explorer 40.22 will reach a top speed of 14 knots with a range of 3500nm at 10 knots.

Here below a short list of technical data:

LOA 42.00m

LWL (at full load) 39.00m

Beam 8.50m

Draft (at full load) 2.60m

Displacement (at full load) 400t approx

Main engines 2 x Caterpillar C32ACERT 970kW each @ 2100rpm

Transmission 2 x ZF 3310 free standing

Generators 2 x Kohler 70kW + 1 Kohler 40kW

Maximum speed 14 knots

Range at 10 knots 3,500nm

Fuel capacity 60,000 litres

Fresh water capacity 8,000 litres

Black/grey/bilge water 9,000 litres