

SUPERYACHT DESIGN

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Q7



CARINA CARLINA

The Phiequipe studio in Turin is composed of engineers, architects and technicians who are active in a range of disciplines from the oil and gas industry to the automotive field. Headed up by Carlo Tonarelli, the company has seen the nautical sector grow in recent years to form over 50 per cent of its business. At Seatec last November, SYD came across the delightful day boat/tender concept designed by Phiequipe as illustrated on these pages.

“We’ve worked for brands like Azimut and Sanlorenzo on their engineering such as rudder systems and shaft line configurations—the parts you don’t see,” says Tonarelli phlegmatically. “Although I’m an engineer by training, my personal passion is designing yachts like the Carlina 41.”

The 12.5-metre design takes its inspiration from the American fast commuter and picnic boats, with a dash of Riva-style design flair thrown in for good measure. The concept is striking for its simple aesthetics and pared-down layout. The spacious aft deck means it can be used as a guest tender with additional seating, or for fishing trips and day excursions, while

the interior can be outfitted according to its chosen function. The engineering design, however, has not been overlooked and the V-shaped fibreglass hull was developed from scratch and CFD simulations of the fibreglass hull with traditional inline prop shafts predict a top speed of 32 knots with twin 420hp motors.

The exterior profile is characterised by the 3D curved glass canopy that makes up the deckhouse and windscreen, combined with the mahogany centreline and carbon fibre roll bar. The final effect is one of elegant understatement, which is contemporary yet also vaguely retro





with its canoe-style bow. Although the deckhouse is open at the back for better natural ventilation, some sort of thermal resistant glass would probably be required to prevent the interior temperature becoming uncomfortably hot.

Tonarelli is something of an inspired designer trapped in a marine engineer's overalls as he has also come up with a *motobarca*, which is basically an aluminium cross between a jet ski and a small boat.

"I love the idea of being able to touch the water when I'm on a boat," he says. "The *motobarca* came about

because while jet skis are fun, they're not actually much use for anything else. This design combines the best of both attributes."

The concept includes teak decking and a shallow deadrise of 15 degrees to keep the design relatively flat; measuring 3.2 metres in length and at 1.85 metres in height, it would fit snugly in most tender garages. Simulations with a 20hp engine predict the "motorbike-boat" could make 20 knots.