

THINK

F



LOOKING FOR
AUTHENTICITY,
SPEED AND SUPERIOR,
INNOVATIVE TECHNICAL
DESIGN?

THINK F!

Designed in the spirit of tradition, the F-class is developed and engineered as a high-performance racer.

F-class yachts are designed to get the best out of two generations, using classic J-class lines and modern, high performance technology.

The F-class is developed for racing from a technical point of view. These awesome aluminium speed machines come with carbon spars and composite rigging. The combination of a revolutionary T-style fin keel with a 30 ton lead bulb, and a carbon high aspect ratio spade rudder is exceptionally powerful.

F-class radiates a timeless design with long overhangs and sleek lines. The traditional ambience of the F-class yacht is further enhanced with a flush deck and moderate deck camber that echoes the 1930's.





F-CLASS YACHT FIREFLY

The first stunning and timelessly lined F-class yacht Firefly was launched in May 2011. The first of a new series of F-class one designs, Firefly made her debut at the Superyacht Cup in Palma de Mallorca 2011 and immediately took the spotlight.

Designed by Hoek Design, Firefly was constructed in the Netherlands to the highest quality standards available. Her hull was built by Bloemsma Aluminiumbouw and completed by Claasen Shipyards, most recently responsible for the build of the J-class Lionheart.

Total construction took 9 months from the first drawing, until sea trials. This can be considered extremely fast for a superyacht of this size.

The combination of classic lines, modern design, advanced technical systems, high performance spars and rig with unconventional bold materials give Firefly her unique quality and finish.

All sailing systems are hydraulic, with Harken winches, Lewmar deck gear and PBO rigging. These specifications can be tailored and designed to your personal likes and preferences.

Firefly is powered by Steyr Marine Engines. The folding propeller is driven by a 6-cylinder 245 HP while the integrated flywheel generator is driven by a 4-cylinder Steyr 106 HP, which generates 4kw for the hydraulic pump and charging batteries.

Firefly is rigged with a carbon mast and boom along with a carbon rudder, which were selected to minimize weight while maximizing racing performance.

Specifically designed for long distance racing, the water ballast system efficiently shifts 5 tons of water from one side to the other within two minutes, optimizing time and performance.





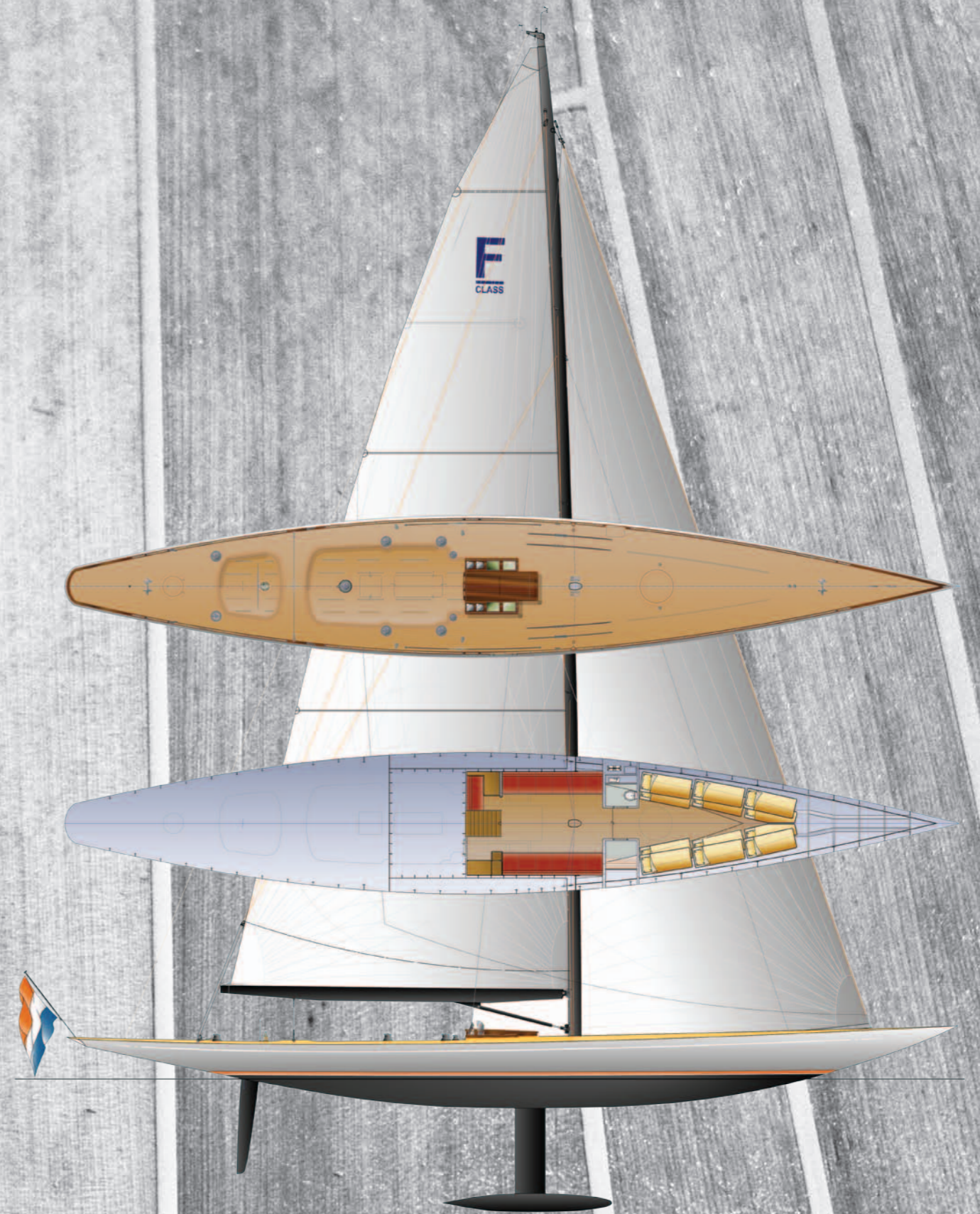
**F-CLASS
TECHNICAL SPECIFICATIONS**

Type: *F-Class*
 Naval architect: *Hoek Design*
 Hull material: *Aluminum*
 Length (LOA): *35.20m*
 Length (LWL): *22.23m*
 Beam: *5.58m*

**FIREFLY
SPECIFICATIONS**

SUBJECT TO PERSONAL REQUIREMENTS:

Spars: *Hall Spars*
 Sails: *North Sails*
 Upwind m²: *594m²*
 Downwind m²: *1095m²*
 Winches: *Harken*
 Deck Gear: *Lewmar*
 Sailing Systems: *Hydraulic*
 Displacement: *60 tons*
 Superstructure material: *Mahogany*
 Engines: *Steyr*
 Gearbox: *Twindisc*
 Shaft & Propellor: *Maxprop*
 Generators: *Steyr*
 Fuel tank capacity: *900 ltr.*
 Water tank capacity: *800 ltr.*





F-CLASS REGULATIONS

F-class yachts must be built of aluminium and to the exact same design, lines and main dimensions according to F-class regulations. The interior can be designed according to your preferences for example by using honeycomb to save extra weight.

The yacht's solid structure is the outcome of finite calculations and its stiffness due to web frames spaced a meter apart with longitudinal framing.

F-class yacht Firefly is fitted with a fixed keel, although class rules also allow for yachts with a lifting keel in order to access shallower waters. Designs are made in such a way that the stability and performance are identical with either option.



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