

# D.A.T.

DUFOUR ADVANCED TECHNOLOGIES



**DUFOUR**  
YACHTS

The Ultimate Sailing Pleasure



*Our design philosophy is to develop deck designs that are pioneering and “seafaring” so that the aesthetics perform for both pleasure and safety.*

DUFOUR YACHTS, DAT is much more than a brand denoting the technological progress of the shipyards; first and foremost it expresses a state of mind, started more than 40 years ago by a talented, creative and visionary man Michel Dufour.

From his home port of La Rochelle, the French capital of yacht sailing, Michel Dufour launched across the world technologically advanced sailing ships that were unique in concept and design, often avant-garde, and for the sole purpose of your sailing pleasure.

## Elegance, pleasure and safety

A competitive edge  
on every ocean

This fascination endures to this day. The passion is the same. The spirit of innovation drives every movement of those men and women faithful to the Norman longboat logo, inspiring them to create elegant and competitive sailing ship series like no other: innovative, built for regattas or for fast, seafaring cruises, constructed of the most modern materials, and equipped with the most sophisticated and ergonomic equipment.

The creation of a sailing ship is the result of an extraordinary sum collaboration of talent, work, new ideas, industrial ambition and intense joy. DUFOUR YACHTS turns it into an incomparable force dedicated to yachting enthusiasts – dedicated to you. And because you are going to interact with the elements, DUFOUR YACHTS is committed to the day-to-day protection of the environment and to honoring new standards yet to come.



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## High-Tech and Safety

In order to increase performance and structural rigidity, DUFOUR YACHTS uses advanced techniques in the concept and manufacture of hulls and decks.

### Decks: Injection technology

Injection moulding consist of bringing resin in a space between two moulds, by injecting it under pressure to reinforce fibre cloths. This complex technique enables all air bubbles to be eliminated and produces a consistent fibre/resin ratio.

Decks are manufactured in one piece, resulting in excellent headroom.

#### ► Advantages

Significant gain in weight (better sail rigidity), original quality finish and excellent reliability.

### Decks: Vacuum infusion technology

The resin sheets are impregnated by air suction. This advanced technology, which is widely used in the aeronautics industry, results in the production of a composite material of outstanding mechanical quality.

#### ► Advantages

Significant structural weight/performance ratio.

### Sandwich hulls: vacuum bonding

The sandwich hull is made up of a set of constituents laminated through pressure and bonding. The type of constituent varies according to the desired effect. Generally speaking, the sandwich hull is made up of a central layer of PVC foam placed between two reinforcements (laminated skin), protected by gelcoat on the exterior surface.

#### ► Advantages

Better sound proofing, increased mechanical properties, increased longitudinal rigidity of the hull under equal displacement, no absorption of humidity due to the use of PVC foam rather than balsa.

*As proven by numerous victories, Dufour hulls are developed using both state-of-the-art technical knowledge of hydrodynamics, structure and building, as well as the experience and know-how of our employees and partners!*



## Aesthetics and Ergonomics

From CAO 3D life-size models, through research and optimization of the ergonomics, utilizing the technical performance of new materials, renowned shipbuilders, and the latest equipment, DUFOUR YACHTS has implemented a considerable decision-making process and major technological solutions, the objective of which is your safety and sailing pleasure.

### An unobstructed and easily accessible deck plan

Known for the ergonomics of their deck plans, DUFOUR YACHTS sailing boats represent the best of comfort and pleasure.

Whether seated or standing, the helmsman is always in a comfortable and efficient position. The genoa winches are directly within reach.

Every manoeuvre is transmitted to the cockpit. The wide and unobstructed catwalks make moving about on deck easy and safe.

The numerous panels and portholes create a light-filled atmosphere and provide maximum ventilation. An unobstructed deck plan for safety and pleasure under any conditions.

### The very essence of elegance

The teak chosen for the benches, cockpit sole and side decks (according to the option selected), give the boat a subtle elegance as well as a high level and aesthetic finish.

### Immaculate wood paneling

All the woodworking and carpentry, including the laminated floorboards, are created and worked in the same Moabi or Wenge timbers, depending on the model. This intentional consistency contributes to the quality of the interior space and gives it a natural, warm and hospitable look.

The ceiling in white coloured wood contrasts with the Wenge floorboards to create a light-filled atmosphere conducive to pleasure and relaxation.

*The harmony of heavy doors in laminated wood, washboards and solid wood trims coupled with the know-how of our team create the richness and personality of our woodwork and our fittings.*

### Two renowned brands

The Dufour Grand'Large is a family sailing cruiser, distinguished by large spaces and unrivalled comfort that combines pleasure, manoeuvrability and passenger safety.

The Dufour Performance is a fast sailing cruiser with significant speed potential coupled with maximum comfort on board.

### Self-aligning bearings

The Dufour Performance range is equipped with self-aligning rudder blades

The ball-pivot mounted rings prevent the helm from hardening when the rudder is active.

The self-aligning bearings are made up of one Ertalite ball-pivot housed in a casing. The unit has a minimal friction ratio and heightened mechanical properties, including resistance to corrosion in a salt water environment. DAT relies on an internationally renowned supplier.

#### ► Advantages

No lubrication or upkeep is necessary. The suppleness and precision at the helm are beyond compare.

### A hydrodynamic rudder with high-resistance blades

The result of joint research by the DUFOUR YACHTS shipbuilders and design department, the rudder that all new sail yachts are equipped with is the very symbol of the Shipyard's pioneering spirit.

**The rudder provides optimal hydrodynamic performance due to combined use of :**

- A high-density, closed cell epoxy foam that prevents absorption of humidity,
- A stainless steel blade that provides a high level of mechanical resistance.

#### ► Advantages

Superior results and an excellent penetration ratio in the water due to better flow, and a more instinctive, pleasanter and softer sensation at the helm.

*Our sail ships are developed entirely in 3D in order to achieve a higher level of quality and detail.*

*DUFOUR YACHTS is one of the few Shipyards to build sailing yachts with a sloping rudder blade, which provides optimal results whatever the boat's heel and angle of the helm.*



## Performance and Pleasure

Although DUFOUR YACHTS sailing boats have no comparison, each model requires a different and complementary technological approach. In this respect, here also the Shipyard proves it is one stride ahead.

**DUFOUR YACHTS creates spacious and comfortable sailing yachts that provide pleasant life on board and are also capable of bringing in numerous victories.**

### PERFORMANCE

- Several times winner of the Copa Del Rey
- Winner of the Voiles de Saint Tropez
- Winner of the Spi Ouest France
- IMS 670 World Champion
- Winner of the Transat des Passionnés
- Winner of the Porquerolles week
- ...



## The Dufour Blue Sail Commitment

Blue Sail Innovation – DUFOUR Yachts combine Comfort, Performance and environmental protection for everyone's pleasure.

- **The deck in IROKO FSC timber**

to support the sustainable and sound logging of forests. By using this FSC (Forest Stewardship Council) certified timber, Dufour is supporting logging practices that meet environmental, social and economic standards.

- **New generation Volvo engine**

to reduce particle discharge by 50%, while limiting noise for everyone's pleasure.

- **High power alternator (115-140 Amps)**

to limit battery recharging time, resulting in less energy consumption.

- **Low energy consuming LED navigation lights**

to generate much more light than traditional sources while still producing considerable energy savings (these navigation lights use less than 10% of the electric current required to light a traditional 25W light source).

- **Seawater foot pump**

to save on-board water resources.

- **Injection/infusion technology decks**

to limit VOC (Volatile Organic Compound) emissions and improve air quality.

Blue Sail  
INNOVATION

- **Fuel overflow system**

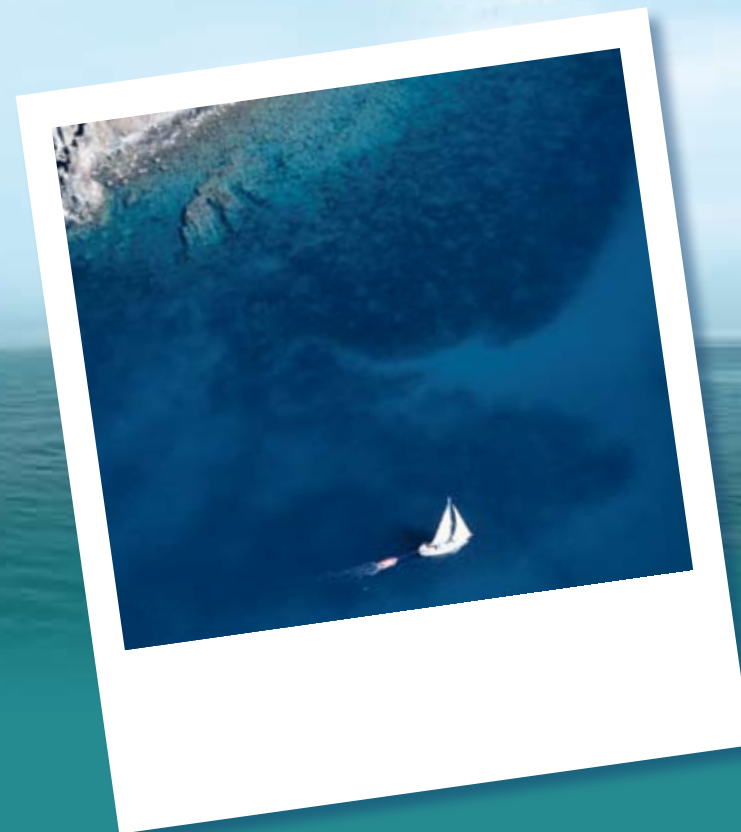
to prevent fuel discharge when refueling (Bateau bleu© label granted by the Federation of Nautical Industries).

- **Large capacity toilet water reservoirs**

to limit waste and protect the marine environment (Bateau bleu© label).

- **Biodegradable hygiene and maintenance kit**

to take the first step towards Eco-responsible behavior.



*The injection and infusion techniques considerably reduce volatile organic compound discharge and enable us to meet our commitment to respect the environment. DUFOUR YACHTS pays special attention to the protection of the marine environment. That's why all Dufour sailing yachts have been granted the Bateau bleu© label by the Federation of Nautical Industries (FIN).*





INTERNATIONAL DEALER NETWORK AVAILABLE ON  
[www.dufour-yachts.com](http://www.dufour-yachts.com)

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The descriptions, illustrations, etc. given are for information only. Our models may be subject to certain production improvements or modifications without notice.