

INTRODUCTION OF

GRAINGER CATAMARANS

**A NEW BRAND
OF CUSTOM CATAMARAN**

by **PERDA RUBJA** Technologies™



GRAINGER
CATAMARANS

**THE WORD CATAMARAN COMES
FROM THE TAMIL KATTUMARAM:
"WOOD BOUNDED TOGETHER"**

ORIGINALLY, IT DESCRIBED A FEW LOGS TIED SIDE BY SIDE TO CREATE A STABLE, LIGHT AND FAST CRAFT. SINCE THEN, THIS SIMPLE IDEA HAS NEVER STOPPED EVOLVING.

FROM WOOD TO EARLY COMPOSITES, FROM E-GLASS TO CARBON FIBER, THE HISTORY OF THE CATAMARAN IS THE HISTORY OF A CONSTANT PURSUIT: MORE LIGHTNESS, MORE STRENGTH, MORE SPEED, MORE RELIABILITY.



GRAINGER CATAMARANS™

History

Statement

GRAINGER SAILS

Models: 42 | 48 | 52

Customization

Technical specifications

Construction & Technology

Finishes & Fittings

How to order

**ONE RANGE.
THREE MODELS.
INFINITE CONFIGURATIONS.**

**TECHNOLOGY GIVES US
NEW WAYS TO BUILD
OUR THOUGHTS**

GRAINGER
SAILS

HISTORY

PERDA RUBJA Technologies™

From its early years, the company developed its expertise through demanding projects for the nautical industry, producing high performance composite parts for established international brands as well as custom components for yachts, maxi yachts, IMOCA boats and offshore racing sailboats.

In recent years, **PERDA RUBJA Technologies™** acquired the construction rights and technical plans for several catamarans originally designed by Tony Grainger, the renowned naval architect behind Grainger Designs. Building on this proven multihull heritage, Perda Rubja Technologies' engineering department developed a re-engineered evolution of these models through advanced Computational Fluid Dynamics (CFD) analysis and Finite Element Method (FEM) simulations.

This development process focused on optimizing hydrodynamic efficiency, structural strength and long-term fatigue resistance, resulting in a platform designed to deliver superior durability, reliability and performance based on the customer needs.

This marked the beginning of a new chapter for the shipyard: the creation of **GRAINGER CATAMARANS™**, a range that combines proven naval architecture with advanced composite engineering and modern manufacturing technologies. Built to compete with the most established brands in the market, Grainger Catamarans™ are designed as lightweight, performance platforms engineered to last for decades.

Built in Sardinia, **GRAINGER CATAMARAN™** reflects the precision and technical experience of a shipyard specialized in high performance structures.

A CUSTOM CATAMARAN RANGE DESIGNED AROUND YOUR SAILING PROGRAM

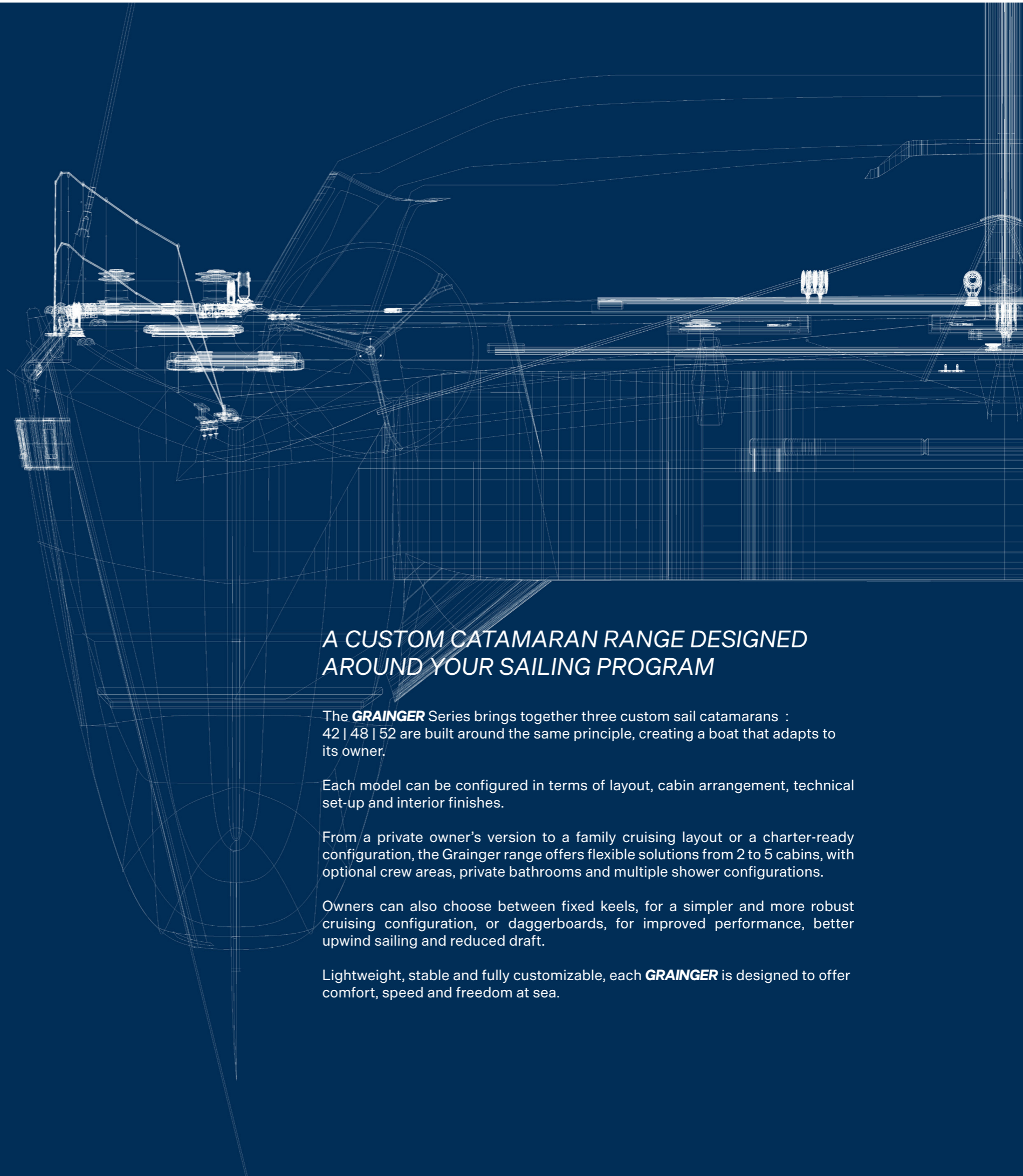
The **GRAINGER** Series brings together three custom sail catamarans : 42 | 48 | 52 are built around the same principle, creating a boat that adapts to its owner.

Each model can be configured in terms of layout, cabin arrangement, technical set-up and interior finishes.

From a private owner's version to a family cruising layout or a charter-ready configuration, the Grainger range offers flexible solutions from 2 to 5 cabins, with optional crew areas, private bathrooms and multiple shower configurations.

Owners can also choose between fixed keels, for a simpler and more robust cruising configuration, or daggerboards, for improved performance, better upwind sailing and reduced draft.

Lightweight, stable and fully customizable, each **GRAINGER** is designed to offer comfort, speed and freedom at sea.



GRAINGER 42

SAILS

COMPACT, LIGHT AND AGILE

GRAINGER 42 is the entry point of the range. It offers the essential Grainger philosophy in a more compact platform: light displacement, easy handling and strong sailing performance.

It is ideal for owners looking for a fast, efficient and manageable catamaran without compromising on comfort.

LOA : 42 ft | 12 m **Displacement :** 4.7 t **Sail area :** 84+82 m²

GRAINGER 48

SAILS

THE BALANCE BETWEEN COMFORT AND PERFORMANCE

GRAINGER 48 offers more volume, more capacity and a stronger cruising platform while keeping a performance-oriented profile.

It is the perfect balance for private owners, or charter-oriented layouts.

LOA : 48 ft | 14.6 m **Displacement :** 10.7 t **Sail area :** 116+107 m²

GRAINGER 52

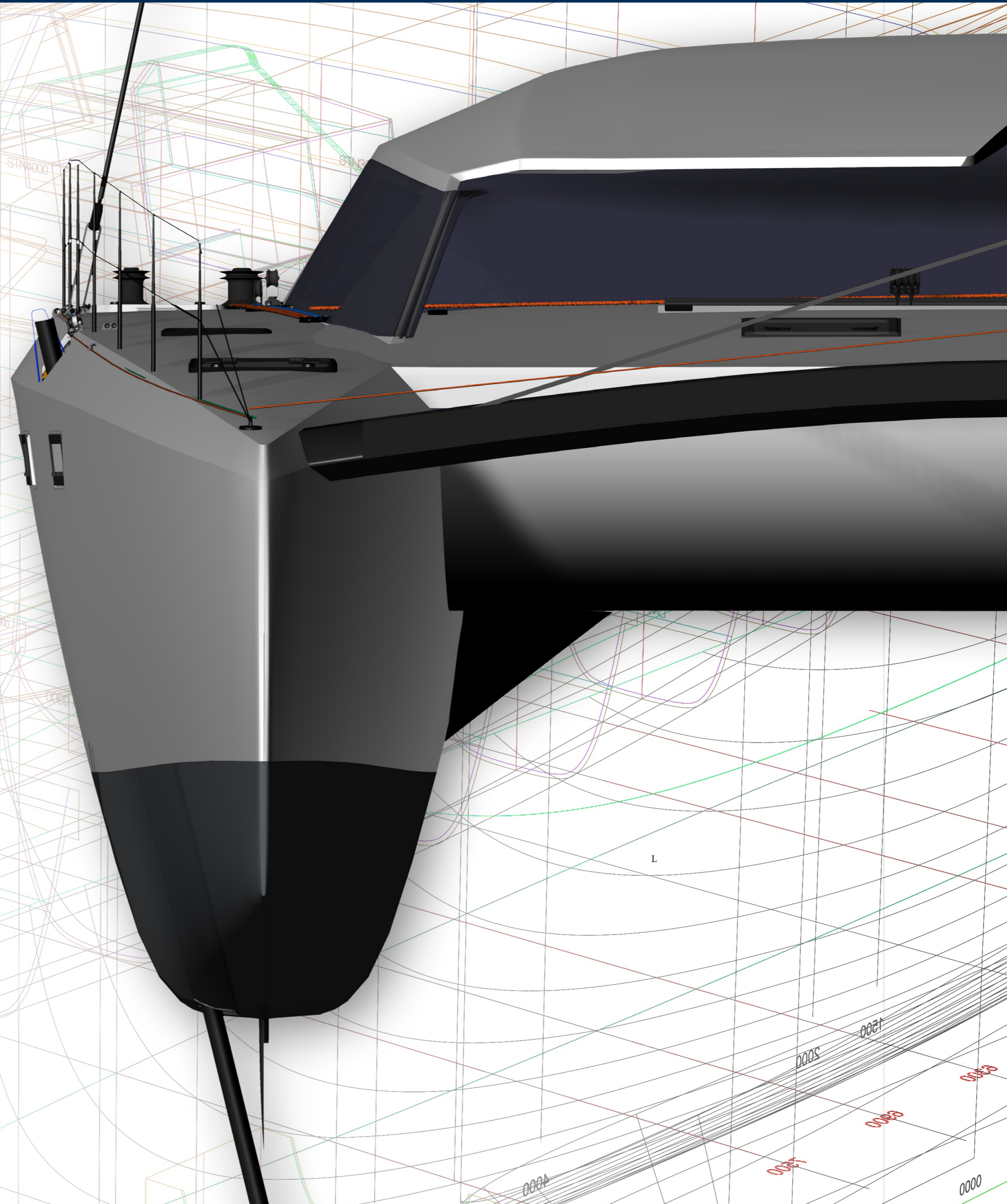
SAILS

LARGER PLATFORM, HIGHER CAPABILITY

GRAINGER 52 is designed for owners looking for optimal spaces, sail power and long-distance cruising capability.

It offers the highest level of volume and autonomy in the range, while preserving the lightweight and custom-built philosophy.

LOA : 52 ft | 15.8 m **Displacement :** 11.6 t **Sail area :** 130+135 m²



TWO HULL OPTIONS

GRAINGER CATAMARANS™ OFFERS TWO HULL CONFIGURATIONS, DESIGNED TO MATCH DIFFERENT SAILING PROGRAMS

Daggerboard Version is a sport oriented version, focused on lightness, performance and responsive handling. It is designed for owners who want a faster, more dynamic sailing experience.

Fixed Keel Version created for comfort, stability and life on board, it offers a more accessible and versatile platform, ideal for private cruising or charter use.

BOTH OPTIONS SHARE THE SAME DESIGN PHILOSOPHY: EFFICIENT NAVAL ARCHITECTURE, ADVANCED COMPOSITE CONSTRUCTION AND LONG TERM RELIABILITY.

CHARTER & FAMILY

The Charter / Family version is designed for comfort, simplicity and easy handling. The layout focuses on generous living spaces, practical circulation and adaptable interior configurations, making the boat suitable for private cruising, family use, day trips or charter operations.

Equipped with reliable deck hardware and daggerboards, this version offers a strong balance between performance, safety and ease of use.

The goal is to create a catamaran that remains efficient and responsive while offering comfort, durability and long-term reliability for everyday sailing.

BUILT FOR AUTONOMY AND LONG-TERM RELIABILITY

INTERIOR LAYOUT

Each **GRAINGER** CATAMARANS™ is designed around a flexible interior layout, with configurations ranging from two to four cabins, accompanied by integrated bathroom and shower facilities. On the larger 48 and 52 models, layouts can offer up to five cabins.

Thanks to the advanced construction technology used by **PERDA RUBJA** Technologies™, each boat can be adapted more closely to the client's requirements, creating a tailored balance between comfort, functionality and performance.

CARBON CONSTRUCTION OFFERS FULLY ADAPTABLE SOLUTIONS

RACING

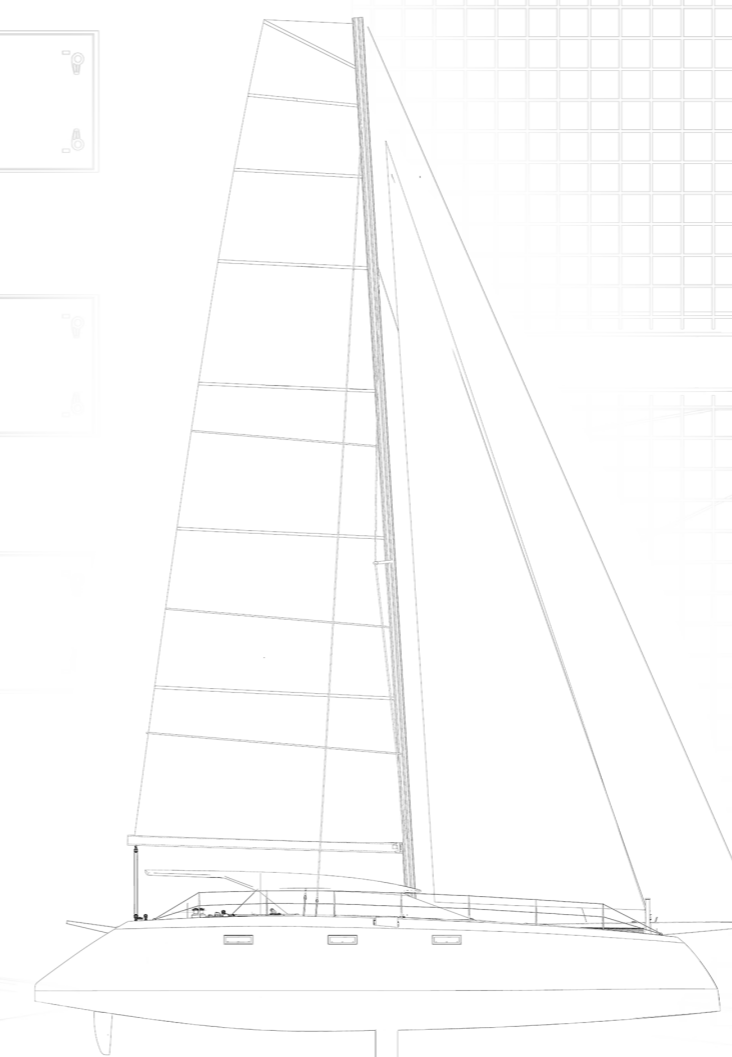
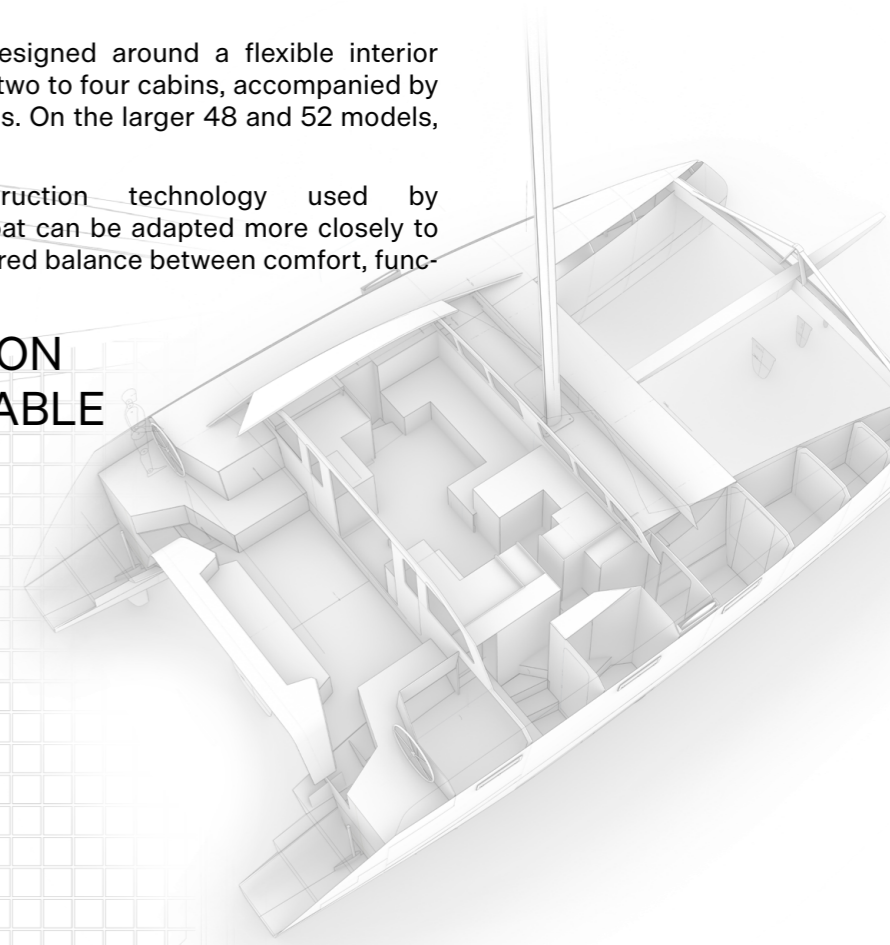
The Racing version is designed for owners seeking a more performance-driven experience. Inspired by the speed and efficiency of multihull design, this configuration focuses on lightness, strength and responsiveness, while preserving the essential qualities of a reliable offshore catamaran.

Through advanced composite construction and a flexible platform approach, each racing-oriented configuration can be refined according to the client's vision, creating a boat that combines performance, precision and long-term durability.

DAGGERBOARD, CARBON AND LIGHTNESS FOR SPEED AND AGILITY

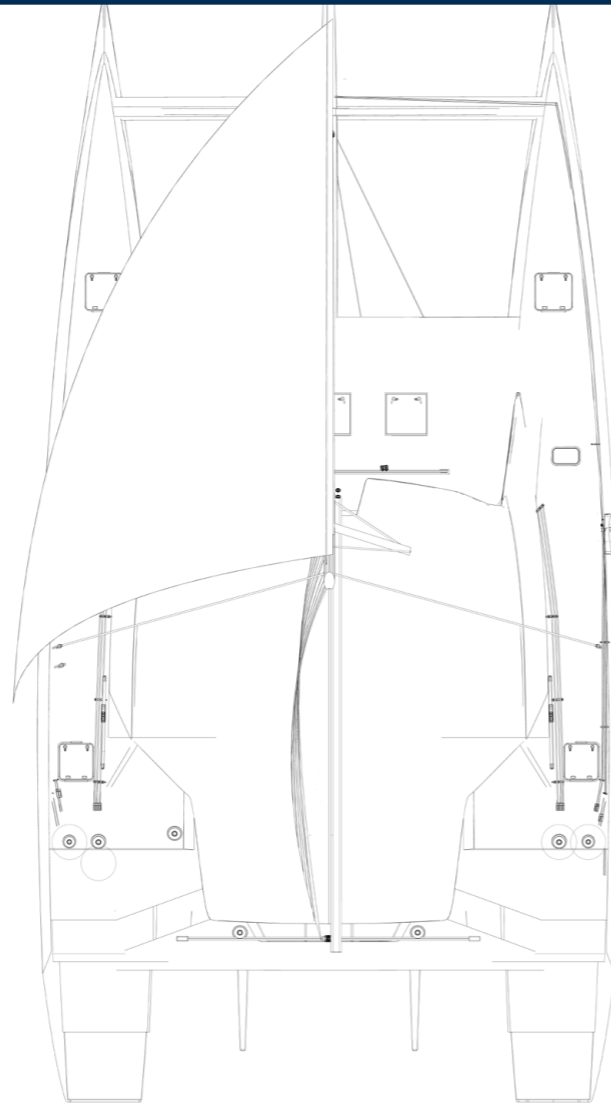
Fixed Keel Version

Daggerboard Version



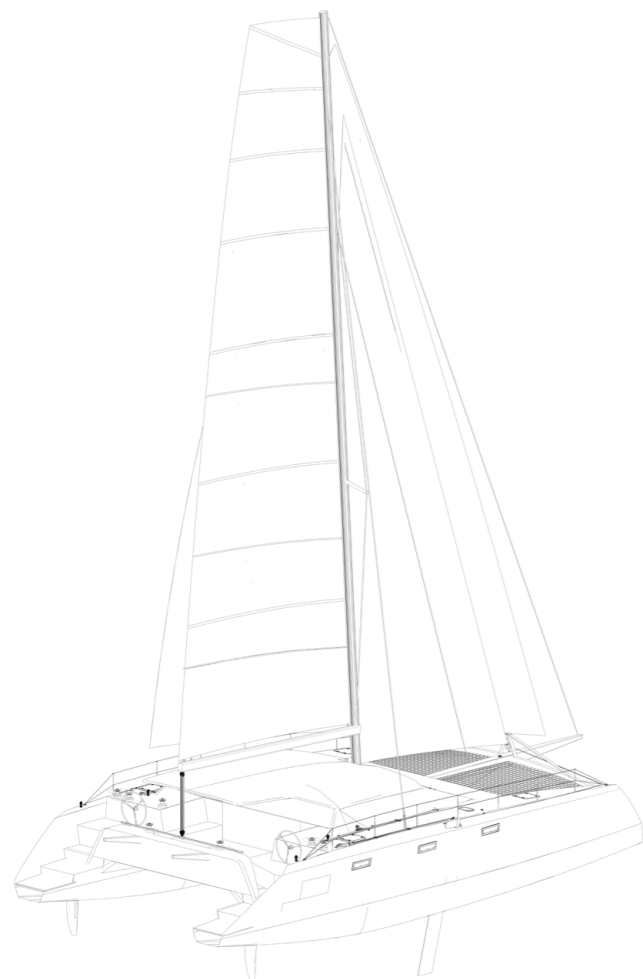
GRAINGER 42 SAILS

LOA:	42 ft 12 m
Beam overall:	21.9 ft 6.70 m
Beam CL-CL:	8.5 ft 2.6 m
Hull draft:	1.3 ft 41.5 cm
Rudder draft:	3.4 ft 106 cm
Daggerboard draft:	6.8 ft 210 cm
Fixed keel draft:	3.4 ft 104 cm
Displacement:	4.7 t
Payload:	3.69 t
Mast above deck:	57.1 ft 17.40 m
Air draft:	62.4 ft 19 m
Sail area, main + jib:	905 sq ft 84 m ²
Gennaker:	882 sq ft 82 m ²
Water capacity:	450 L



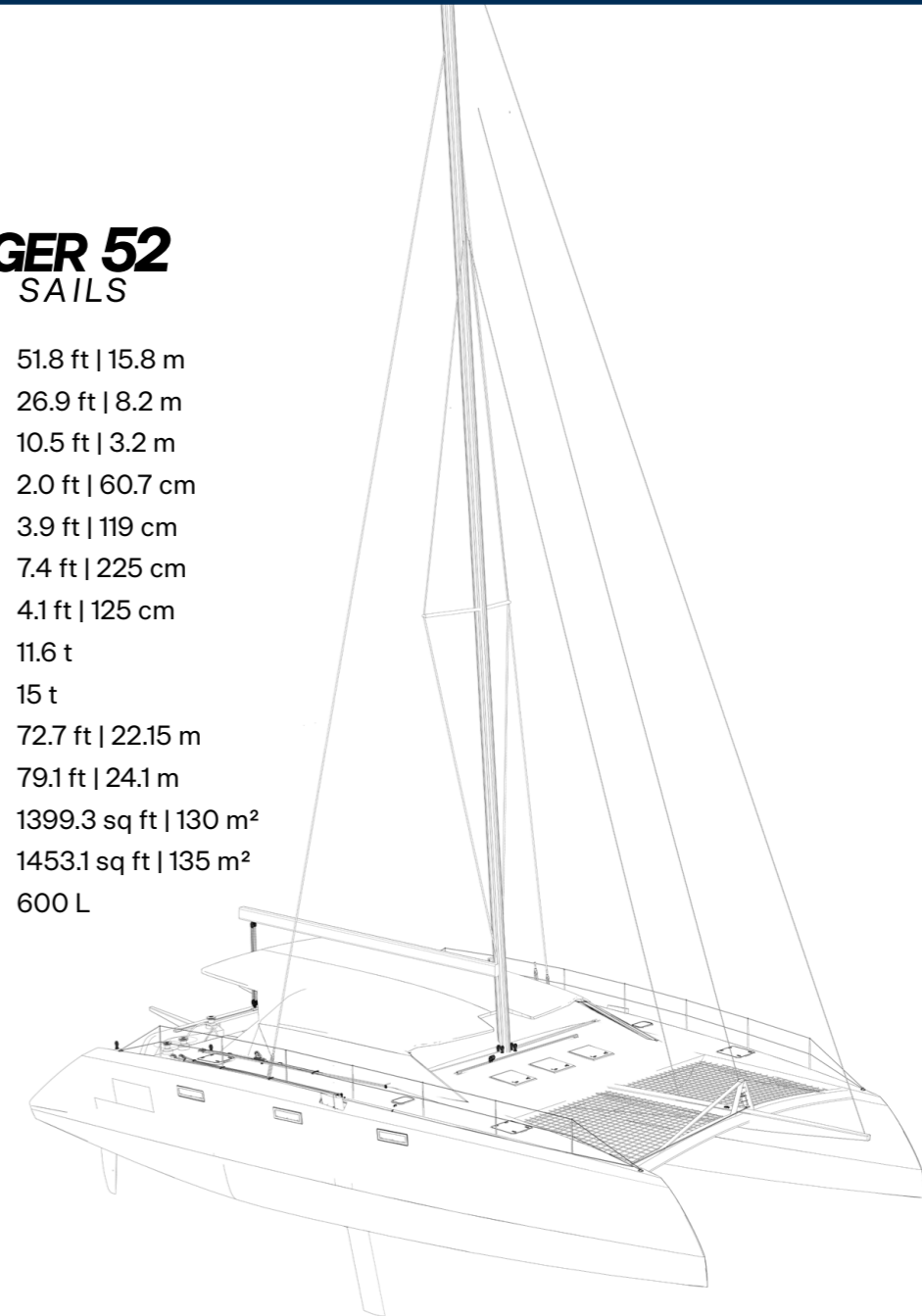
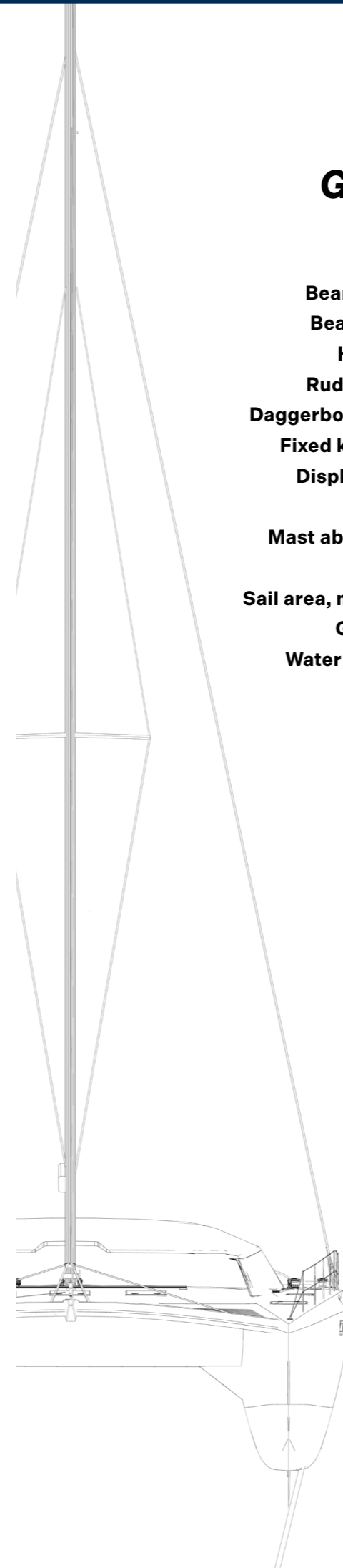
GRAINGER 48 SAILS

LOA:	47.9 ft 14.6 m
Beam overall:	25.3 ft 7.7 m
Beam CL-CL:	9.8 ft 3 m
Hull draft:	2.1 ft 63.5 cm
Rudder draft:	3.8 ft 117 cm
Daggerboard draft:	6.9 ft 210 cm
Fixed keel draft:	3.9 ft 120 cm
Displacement:	10.7 t
Payload:	5 t
Mast above deck:	67.1 ft 20.45 m
Air draft:	73.5 ft 22.4 m
Sail area, main + jib:	1248.6 sq ft 116 m ²
Gennaker:	1151.7 sq ft 107 m ²
Water capacity:	500 L



GRAINGER 52 SAILS

LOA:	51.8 ft 15.8 m
Beam overall:	26.9 ft 8.2 m
Beam CL-CL:	10.5 ft 3.2 m
Hull draft:	2.0 ft 60.7 cm
Rudder draft:	3.9 ft 119 cm
Daggerboard draft:	7.4 ft 225 cm
Fixed keel draft:	4.1 ft 125 cm
Displacement:	11.6 t
Payload:	15 t
Mast above deck:	72.7 ft 22.15 m
Air draft:	79.1 ft 24.1 m
Sail area, main + jib:	1399.3 sq ft 130 m ²
Gennaker:	1453.1 sq ft 135 m ²
Water capacity:	600 L



EACH **GRAINGER** MODEL OFFERS A FLEXIBLE INTERIOR LAYOUT DESIGNED TO ADAPT TO THE OWNER'S PROGRAM, FOR PRIVATE USE, FAMILY CRUISING, OR CHARTER OPERATIONS

Depending on the model and intended use, the interior can be arranged in several configurations:

2-Cabin | Owner layout
3-cabin | private layout
4-cabin family or charter layout

*Up to 5-cabin configuration
Available on larger models, such as the 48 and 52,
to maximize guest capacity for charter operations.*

YOUR YACHT, YOUR LAYOUT

GRAINGER CATAMARANS™ have been conceived to respond to the technical requirements of customization. Their architecture allows each model to adapt to different layouts, equipment choices, performance objectives, and owner expectations, while preserving structural integrity and sailing efficiency.

Supported by advanced 3D modelling, engineering software, structural calculations, and fluid dynamics analysis, we transform each owner's vision into a precise and buildable concept.

Every project is developed with careful attention to material selection, finishes, technologies, and production methods.

Through **PERDA RUBJA Technologies™**, advanced processes, robotics, and controlled manufacturing techniques are used to produce high-quality structural components with accuracy and consistency.

From the printing of custom parts to the precision-controlled curing of composite elements, every stage of the production chain is managed to ensure long-term reliability, structural integrity, and performance.

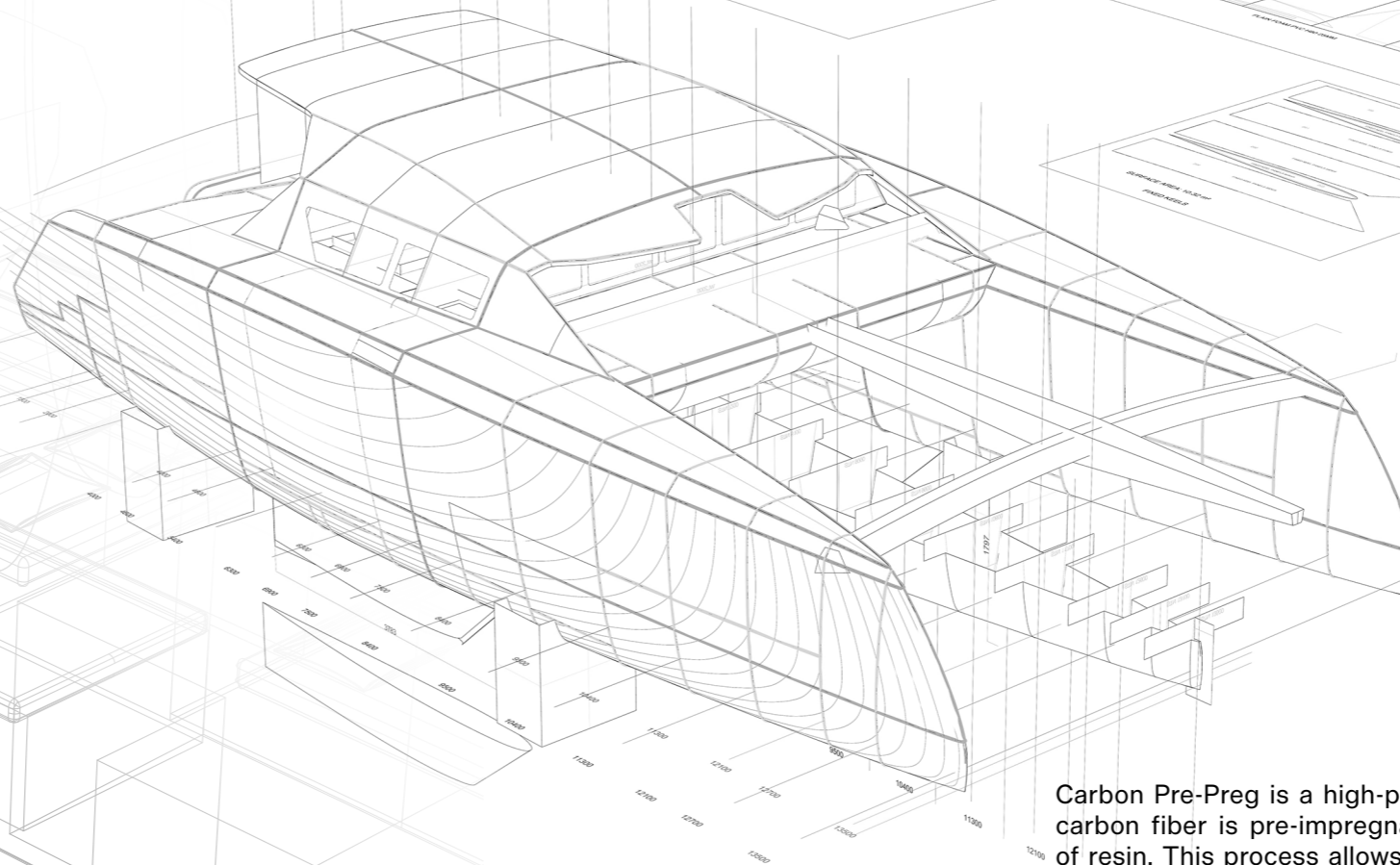
THIS FULLY CONTROLLED PRODUCTION PROCESS ALLOWS
US TO MAINTAIN HIGH STANDARDS THROUGHOUT THE
CONSTRUCTION, FROM DESIGN TO FINAL ASSEMBLY

PERDA RUBJA Technologies™

The company's eco-systems is equipped with advanced 3-axis and 5-axis milling machines, with large-scale machining capabilities up to 24 meters.

Water jet and laser cutting systems support high-precision tooling production and accurate component manufacturing.

Autoclave and post-curing processes, combined with temperature-controlled material storage, ensure consistent quality and reliable composite performance.

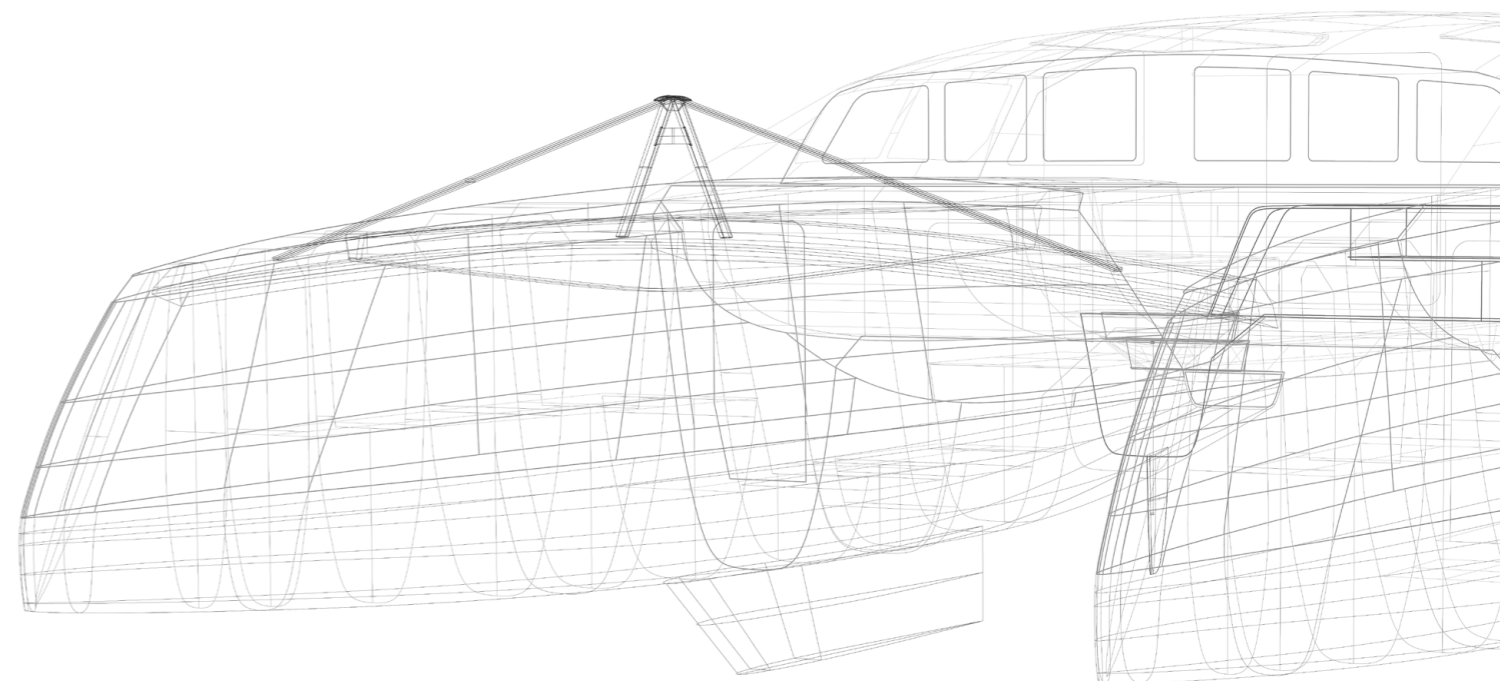


CARBON PRE-PREG TECHNOLOGY

Carbon Pre-Preg is a high-performance composite material in which carbon fiber is pre-impregnated with a precisely controlled amount of resin. This process allows for better fiber alignment, optimal resin distribution, and a higher level of structural consistency compared to conventional hand lamination.

Used in advanced yacht construction, Carbon Pre-Preg offers an excellent balance between lightness, stiffness, strength, and durability. It allows the production of structural components with reduced weight, improved mechanical performance, and long-term reliability.

SAY GOODBYE TO INTERIOR NOISE
THANKS TO PRE-PREG TECHNOLOGY



FINISHES

Aesthetic choices are guided by the balance between design, durability, and maintenance. Wood, carbon, and Nomex can be combined to create a refined harmony of materials according to the client's preferences.

Finishes are available in matte or glossy, offering different visual results while maintaining strength, long-term reliability, and ease of care.

COLORS

Each boat is delivered as standard with an harmonious color palette, designed to balance safety, visibility, and visual pleasure.

Exterior colors, interior finishes, and hull paint can be adapted according to the client's preferences.

TAILORING

We use **Spradling marine-grade fabrics**, designed for Mediterranean conditions and intensive onboard use. Resistant to UV, humidity, stains, mildew, and daily wear, they offer long-term durability, easy maintenance, and refined comfort for both interior and exterior areas.

ONBOARD TECHNOLOGY

We integrate connected marine technologies inspired by **B&G**, combining sailing performance, onboard monitoring, and intelligent system control. This smart approach improves safety, simplifies operation, optimizes energy use, and enhances comfort and pleasure at sea.

EQUIPEMENTS LIST

MAST

SPARCRAFT ALLUMINIUM or custom carbon fiber construction by **PERDA RUBJA Technologies™**

SAILS

Elvstrøm Sails
Self-tacking jib
Option : Gennaker | Code 0

DECK EQUIPEMENT

Equipped with 5 winches
LEWMAR

NAVIGATION SYSTEM

B&G | FURUNO

MOTORS

G-Sail 42: **2 × Yanmar 3YM30 | 30 hp each**
G-Sail 48: **2 × Yanmar 3JH40 | 40 hp each**
G-Sail 52: **2 × Yanmar 4JH5E | 50 hp each**

ELECTRICITY

Generator: **Mase-generators**
Electric System: **Mastervolt**

WATERMAKER

HP DESALATOR (optional)



Principal Building Partners:

MASTERVOLT

YANMAR

LEWMAR

B&G



mase
GENERATORS

DESSALATOR
Watermakers - dessalinisateurs

HEMPEL



HOW TO ORDER YOUR GRAINGER CATAMARANS™

To begin the process, clients can request the official price list, the standard specification and the complete optional equipment list for the selected model: **GRAINGER 42**, **GRAINGER 48** or **GRAINGER 52**.

After choosing the model, hull configuration, interior layout, equipment package and finishes, **PERDA RUBJA Technologies™** prepares a tailored quotation and a preliminary build specification.

ORDER PROCESS

- REQUEST PRICE LIST, STANDARD SPECIFICATION AND OPTIONAL EQUIPMENT LIST
- SELECT THE MODEL AND MAIN CONFIGURATION
- DEFINE LAYOUT, EQUIPMENT, FINISHES AND CUSTOMIZATION OPTIONS
- RECEIVE A TAILORED QUOTATION AND TECHNICAL SPECIFICATION
- CONFIRM THE ORDER AND START THE 6 MONTHS PRODUCTION PROCESS

PAYMENT TERMS

50% deposit upon order confirmation,
25% at the beginning of outfitting and equipment installation,
25% balance before delivery.

FROM CONFIGURATION TO DELIVERY

Once the order is confirmed, the project enters the production schedule.

The client is guided through each key stage of the build, from technical definition to construction, outfitting, final inspection and delivery.

REQUEST YOUR CONFIGURATION

Contact us to receive the official price list, optional equipment list and a tailored quotation for your **GRAINGER CATAMARANS™**.

INTRODUCTION OF

GRAINGER CATAMARANS

**A NEW BRAND
OF CUSTOM CATAMARAN**

LUIGI KALB

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& CEO **GRAINGER** CATAMARANS™

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