



## HH42 by Judel Vrolijk

€290,000 VAT excluded

**Reference ID:** 499

**Displacement (Kg):** 4215

**Builder / Designer:** Hakes Marine

**Beam (mtr):** 4.30

**Model:** HH42

**Draft (mtr):** 3.2

**: Judel and Vrolijk**

**Displacement (Kg):** 4215

**Year:** 2013

**Material:** Carbon

**Location:** Spain

**Engine:** Yanmar

### Disclaimer

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## Description

The Hakes Marine, HH42 is a fully optimised high performance grand prix racing yacht. It has been designed by *Judel/Vrolijk & co* to be the fastest in its size around the race track, and to be competitively raced and win on IRC as well as ORC.

HH42 is a no compromise racing yacht designed with flexibility for both inshore and strong offshore performance.

Boat underwent further IRC/ORC optimisation during the 2019-2022 seasons. It is fully upgraded- and ready for a new campaign. Very well prepared for offshore- watertight, strong structure, halyard locks, doubled systems. Yacht is very well maintained and regularly serviced by a full time Boat Captain. When not sailed, boat is stored on a cradle under full cover.

## General information:

- Designer: Judel/Vrolijk & Co - Engineering Gmbh
- Builder: Hakes Marine- Hudson Yacht & Marine, China
- Length: 11,6m; Beam: 4,2m; Depth: 3,2m
- Crew during racing 9-11
- CIN: CN-HYMH42021313
- Engine: Yanmar 21.63kW
- Engine number: E17972

## Palmares 2023

- Palmavela ORC1 Winner
- IRC European Championship IRC1 3place.

## Refits / maintenance 2019-2022

### 2022

- Big Preseason Service + IRC Optimisation
- New- Longer Bowsprit
- New Sails: Main, J2, A2, Blast-Reacher
- New Rudder
- New Bottom Repainting for Durepox
- New Deck antigrip+ Deck Repaint
- New Jib up/dwn + in/out regulation system (block+lines)
- New Superfast Gorilla Tuffluf
- New Navigation Computer+ accessories
- New Rudder sensor
- New Deflector length sensor
- Forestay Load-sensor Factory repair
- New 2x GFD display in cockpit
- New Gori 2blade Propeller
- Engine Big service (including foot change)
- New Hi-ratio Bilge pump

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- Mast Jack Service
- Rudder bearing service
- New Runners

## 2020-2021

- Mast+boom+bowsprit Refit+ Repaint
- Rig service.
- Repaint of stanchions, Tiller, Coffeegrinder.
- New Hull Grey Vinyl
- General Service of All DeckGear
- General Service of Electronics
- New sleeping bunks- bigger and more comfortable.
- Mast electronic Cables replace
- New Baroplug
- New Handheld VHF

## 2019

- Longer keel with new bulb shape (2019)
- New winches drums(2019)
- reduce displacement 2019
- H5000 Displays
- New Satellite+ 3G Radar
- New H5000 Electronic Displays, parts
- New Sails

## General

### Construction:

- Engineered to ISAF Category 1 Safety regulations / ISO Regulations
- Hull is very well and strong build, and can resist very tough conditions
- Structural Engineers: SDK Structures USA.
- 100% carbon prepreg / cured at high temperature.
- Thermoformed damage tolerant foam cores.
- Engineered weight controlled toughened core adhesive films.
- Bulkheads / Structures: Carbon prepreg.
- Finite Element Analysis of keel floor and principal structures.
- Unique monocoque single piece bottom shell structure.
- Weight controlled toughened core adhesive films.
- 100% carbon secondary bonding.
- New 2022: Bottom Repainting for Durepox

### Hull/deck

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## Keel & Rudder

- New 2019 Keel 3.2M draft from McConaghy China, fabricated weldox 700 steel keel fin, cast and CNC milled bulb.
- New 2022: Rudder foil high ratio, Carbon autoclaved prepreg stock and blade
- JP2 rudder Bearing- water tight & self aligning.
- Custom carbon tiller with Spinlock extension + spare tiller/ extension.
- Keel socket integral with hull shell laminate-Keel socketed to hull for easy and quick removal and installation, and enhanced safety and stiffness.

## Rigging

- Southern Spars carbon rig with engineered high modulus fibre for increased stiffness and weight saving.
- Two piece rig with joiner for packing and transportation.
- Two spreader rigs with carbon aerofoil spreaders.
- Nitronic 50 rod rigging.
- Gorilla racing Headfoil + Spare Harken Headfoil Twin groove.
- Hydraulic Backstay Deflectors
- Internal mast jack with pump.
- Custom furler for forestay adjustment
- New 2022: SK99 running backstays
- PBO inshore running backstays, 2018, Future Fibres,
- Kevlar offshore running backstays, since boat launch, stainless steel end fittings, heavier duty.
- Mast is fitted with 7 Halyards: Main, 2x Spin, 2x Jib, Fro, GS +spares
- Halyard locks x4 for: Main, Spinnaker, Jib, Fro.
- 1:1 main halyard with reef bullets on it.
- New sheets and control lines 2022
- full serviced and scanned mast and rig 2022
- Carbon boom, carbon gas vang strut.
- Mast base with additional sliding plate and screw adjustment.
- 2.2m Bowsprit carbon prepreg, two internal tack lines new 2022
- 1.2m Bowsprit carbon prepreg, two internal tack lines.

## Sails

### Kites

- A2-C 2022 Quantum Bainbridge Airx 600

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- A1,5-C 10.2019 North Sails superkote 50/60
- A2-B 10.2019 North Sails superkote 60/80
- A2-A 2018 North Sails
- Code 0 2018 North Sails laminate
- A1-B 2015 North Sails
- A0-A 2015 North Sails laminate
- FRO-A 2015 North Sails laminate
- A1-A 2013 North Sails

#### Headsails

- J2-D 2022 Quantum M7+ Lite skin Black 17000dpi
- Blast Reacher 2022 Quantum M7+Cableless 14000dpi
- J1D 2019 North Sails 3di raw 870 12,6dpi
- J2C 2019 North Sails 3di raw 870 16,8dpi
- SS 2015 North Sails laminate
- J1-c 2015 North Sails 3di
- J2-B 2014 North Sails 3di 780
- J2-A 2013 North Sails 3di 780 dynema/carbon 16,8dpi
- J3-A 2013 North Sails 3di 780 dyneema/carbon 19,6dpi
- J3+A 2013 North Sails 3di 760 aramid/dynema 2240dpi
- J4-A 2013 North Sails 3di 760 aramid/dyneema 22,4dpi
- JT 2013 North Sails 3di 760 aramid/dyneema 14,7 dpi
- GS 2013 North Sails 3di 760 aramid/dyneema 12,6dpi
- storm jib 2013 North Sails

#### Mainsails

- MN4 may 2022 Quantum M7+ Lite skin Black
- MN3 November 2018 North Sails 3Di RAW 870 w/C-Tech battens
- MN2 September 2013 North Sails 3Di 760 (Aramid/Dyneema/ Carbon)
- MN1-I September 2013 North Sails 3Di 780 (Dyneema/Carbon)
- Storm trysail september 2013 North Sails
- MN0-D Delivery dacron

### **Accommodations**

- Optimised open plan interior for ease of sail handling and spinnaker take down drop.
- 6x adjustable sleeping bunks( new 2021), 2 fixed berths ( new cushions 2022), forward V-berth.
- EVA foam on the floor.
- Red and White LED interior lighting / aircraft spec wiring.
- Ventilation fans over the bunks.
- Enclosed WC
- 1 burner wireframe cooker.
- 1x Hi-ratio electric Bilge pump new 2022
- 1x electric bilge pump

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- 2x hand bilge pump

## **Deck and Cockpit**

- Full SeaDek EVA in the cockpit.
- Deck anti grip Repaint new 2022
- Diverse Performance Spinnaker Take down system ( connected to Grinder)
- Lewmar Coffee Grinder system
- Harken Black Magic Air blocks deck gear and regulations.
- New 2022: Jib up/dwn + in/out regulation system (block+lines)
- Pit Spinlock XC jammers.
- Spin sheet Spinlock XC jammers( double)
- Mainsheet Spinlock XC jammers
- Lewmar OneTouch Winch Handles
- Lewmar 60/3 GPST Primary Winches Custom Winches gear ratio for better performance
- Lewmar 50/2 GPST Main Winches
- Lewmar 40st Runner + pit Winches
- New winches drums(2019)
- Karver Furler & swivel
- Diverse lightweight Hi Load soft padeyes.
- Light weight custom carbon forward hatch with pneumatic seal, big internal radius for ease of gennaker hoist and drops.
- Composite socketed stanchions / alloy fwd rail,
- Composite aft aerofoil stanchion.
- Offshore carbon Companionway Wash-board
- Cockpit Rope tail bags

## **Engine**

Fully serviced and upgraded engine 2022

- 30hp Yanmar engine with sail drive
- Gori racing propeller new 2022
- 42 litres fuel tank + 70l delivery tank
- Engine box with bottom step and electronics display
- Cockpit Spinlock control new 2022

## **Safety**

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- OSR cat 2 ready ( all equipment needed)
- Superlight Carbon Liferaft

## **Electronics and Navigational Gear**

- Navigation Computer (new 2022)+ Nav station accessories
- B&G H3000 Motion CPU
- B&G Halcyon Gyro Processor+ Halcyon Gyro Stabilised Compass
- NMEA2000 + Fastnet/ NMEA0183 via converter
- Mast Bracket: 3x20/20 repeaters, 1x GFD, 1x H5000 Graphic display
- 2x cockpit GFD new 2022
- B&G Zeus chart plotter inside the boat
- B&G MHU carbon windwand
- 2x spd Sensor ( port/ Starboard)+ water temp
- Airmar Depth sensor
- B&G Halcyon 2000
- B&G Motion Sensor
- Forestay Load-sensor
- Baroplug (barometer+Temperature) (new 2022)
- Rudder sensor new 2022
- Runner Deflector length sensor new 2022
- B&G VHF and AIS System
- B&G additional Wireless VHF Handset
- Navico GO-FREE wifi/ NMEA2000 wifi
- IstarGPS: Hi-Speed& accuracy GPS
- B&G 4G radar
- Satellite FleetOne ( antena + modem + handset)
- Option for SSB: Icom IC-M802 HF/SSB with AT-140 Tuner (12VDC)VHF
- Carbon mounting pole for Radar & FleetOne
- Raymarine st2000 Tiller pilot
- 180 amp ACG house battery.
- 60amp ACG engine start battery.
- Led Navigation lights.

## **Additional**

- Assembled/folded Cradle for easy transportation.
- Single point lifting ( Removable eye bolt fitting)
- Cockpit floor cover, boom cover, winch covers, onshore full boat cover
- Sun light tent, sun/rain havy tent.
- Miscellaneous tools and spares.
- 2 x foldableAnchor.
- Fenders and dock lines.

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