















N 355

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“A perfect balance of performance, design and luxury.”

Designed in cooperation between Najad, judel/vrolijk & co and Rhoades Young (formerly Dick Young designs), the new Najad 355 (10.9m LOA) is a superbly made, contemporary cruising yacht for the modern age.

As one of Europe's most forward thinking yacht builders, the 355 is our first yacht constructed entirely from vacuum-infused epoxy resin technology.

From an initial observation you will notice the 355 has a smooth, clean look and a lower side profile than you may have expected. The hull has a narrow waterline entry with V-shaped sections fore and U-shaped sections aft, combining form stability for good upwind performance, excellent sea-keeping ability and fast downwind cruising.

On deck generous provision has been made for stowage. Ample cockpit and transom lockers will swallow large items. Lines led aft are contained in purpose made bins each side of the wheel, for a tidier and more comfortable cockpit area.

Down below symmetries and sight lines give a wonderful impression of how much space and volume there is. Hand polished mahogany and jatoba joinery have been contrasted together to project warmth and quality in every room. Standing headroom in nearly all areas and detailing such as leather covered grab rails, dimmer switches and self closing galley drawers help make the 355 interior a wonderful place to spend time in.











“Through careful use of sight lines, symmetry and furniture detailing we have created a feeling of space, calm and elegance.”

Dick Young, Rhoades Young

Space for the good life. We have created a modern, timeless elegance inside that draws its inspiration from exclusive one-off yachts. The primary objective was to build upon the heritage and quality of Najad yachts from the past, yet evolving the range to satisfy the needs of the essential core customer base whilst appealing, in equal measure, to the

changing life-style requirements of today's younger, more demanding customer profile. The result is a calm and harmonious environment with plenty of light and air, smooth surfaces using a balanced and contrasting combination of high-grade woods and a wealth of tasteful contemporary details.

“The new Najad 355 has been designed as the sporty entry model of the Najad range”.

Torsten Conradi, judel/vrolijk & co

Nevertheless she is a member of the Najad family featuring the benefits of a blue-water sailing yacht and the timeless, good looks of her larger sisters - even if her sailing performance is beyond what you might expect from a safe and comfortable cruising boat.

The hull is another step forward towards performance and easy handling and has been designed for really exciting sailing but also made for relaxed cruising. The slim hull features a narrow entry and a wide stern area, allowing good upwind performance and fast downwind cruising. This hull represents the very latest design in Najad's fleet and therefore benefits from the knowledge gained from our most recent and successful race boat designs.

The rudder and keel profile were optimized with our CFD tools and have maximum lift with minimal resistance, without comprising the good nature of a cruising boat. The keel has a short cord length and is quite narrow, with a delta formed ballast bulb for a deep centre of gravity. The rudder is a spade rudder, optimised both for comfortable cruising and for excellent close-quarters manoeuvring.

The sporty character of the yacht comes through in many of the details, e.g. the motor with Saildrive, effectively lowering the centre of gravity and resistance, in comparison with a conventional shaft system.

Also the hull and deck construction contribute to the agile handling. Latest innovations have allowed us to keep the boat relatively light in weight with a slender 'canoe' body and minimum wetted surface.

The laminates have been constructed with Epoxy resin which, in addition to all of the other benefits, leads to a light weight construction without compromising the strength of the hull, deck and super structure. Therefore it was possible to design the boat according to the high demands of Germanischer Lloyd yet still retain a lightweight structure at the same time.

Comparisons with the design of the hull can be made with the interior. In close cooperation with Najad and interior specialists Rhoades Young it was possible to combine a lightweight structure with an unusually spacious interior. This has been done by optimizing all the structural items and interior in 3D. The result was the combination of a highly efficient structural grid with a bright and roomy accommodation area.









The Najad Way of Life

















Epoxy Resin construction

Vacuum Infused Epoxy Resin construction

The new Najad 355 is the first yacht in our range constructed using vacuum infused epoxy resin technology, universally regarded as a very high level of construction technique by boat builders.

Epoxy

Besides significant structural benefits there are health, safety and environmental reasons why we believe that epoxy resin systems will become more widely used within the marine industry over time.

When you consider laminates created with epoxy resin are stronger, lighter and give out less noxious emissions than traditional polyester GRP, it's no coincidence that similar fields, such as aircraft manufacture and aerospace related industries have made epoxy their material of choice for some time.

Key benefits include a significantly 'stiffer' hull with up to 30% higher tensile strength and greater resistance to micro-cracking and fatigue over equivalent polyester GRP. The risk of osmosis occurring in later years is reduced virtually to zero.

What is Vacuum Infusion?

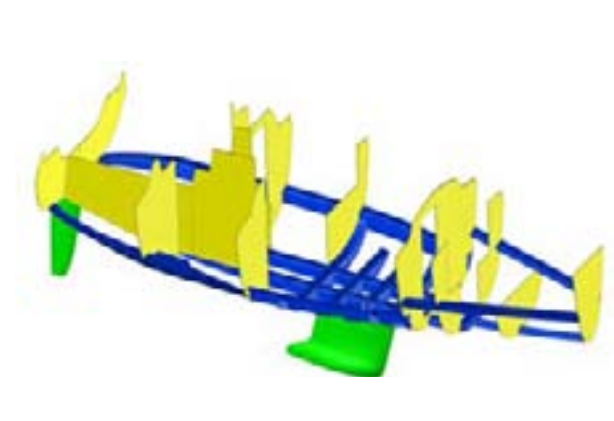
The Vacuum Infusion process is an epoxy resin based fabrication method that uses vacuum pressure to drive resin into dry fibre-reinforced material. Materials are laid up dry into the mould and bagged up. A vacuum is applied before resin is introduced, and once a complete vacuum is achieved, resin is literally sucked into the laminate via carefully placed resin-feed tubing and allowed to cure. Any excess resin is caught in a resin trap and the whole process is kept clean and highly efficient.

In simple terms this process creates a more homogenous bond and a better transfer of load between the different components of the hull.





Hull



The strong, well-dimensioned hull is designed to offer first-class sailing properties without encroaching on interior space, comfort or safety.

The hull is built in a sandwich construction, using the epoxy vacuum infusion technique. Part of the construction is Divinycell. Divinycell is a resilient, high-density PVC foam with sealed cells that do not absorb water. Density (hardness) is increased and the material is reinforced at points in the hull where equipment is fitted.

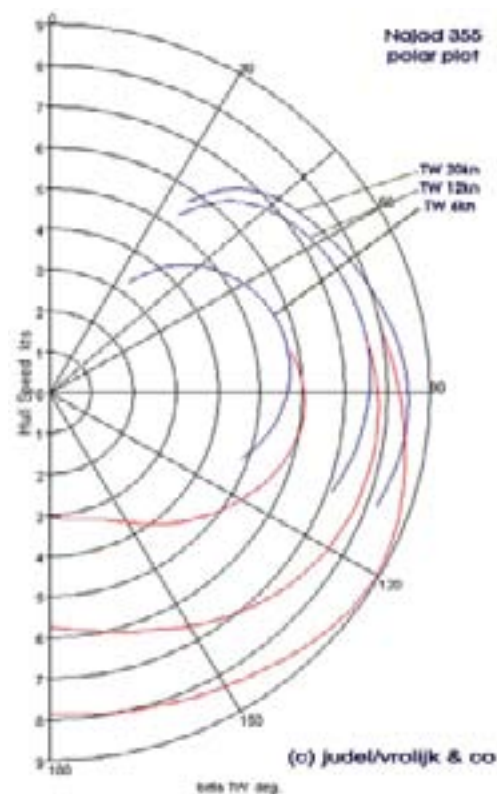
Longitudinal and transverse strength

The next stage is to laminate the hull halves together into a complete unit and lift this out of the mould. The joining and lamination of the hull are done so that the central part of the hull becomes its strongest point. A base grid is integrated into the centre of the hull. A strong, complex construction which runs from the upper edge of the keel, up to the sole and lengthways and crossways throughout the entire boat. This provides torsional strength and builds a foundation for the furniture and engine mountings. The deck and superstructure are built on the same principles as the hull. From the outside inwards, using separate moulds. Before the deck is laid on the hull the fixtures for the interior of the superstructure and bulkheads are fitted. The deck and hull is bolted and glued to create an especially strong and watertight bond at the toerail and further reinforced with lifeline stanchion supports which are bolted through the toerail joint. All bulkheads are laminated from both sides. Finally the inside of the boat is given a topcoat and the hull is now ready for the interior fitout and systems.



The keel has a short body and sports a narrower shape and a delta-formed heavy ballast bulb for a deep centre of gravity and excellent stability. Standard depth is 1,9 metres. Option: 1.7 metres.

Balanced spade-rudder, designed for comfortable cruising and easy manoeuvring.



Certified by Germanischer Lloyd

Each new Najad model is designed and built according to G. Lloyd "GL 100 A5" regulations. These cover the hull, deck and superstructure, main bulkheads, engine bed, chain-plate fastenings, stem fittings, engine installation, plumbing installation and electrical and electronics installations. Najad yachts are classified according to the CE norm "Boat Category A-Ocean". You can also specify a type certificate for your particular yacht.

Germanischer Lloyd is an independent international organisation for safety and quality control. The organisation offers technical expertise to industry the world over. G. Lloyd's activities comprise control and certification of safety and quality in ships, boatyards, offshore rigs and other industrial plant.



Rigging

* Options

The Najad 355 is equipped with rigging from Seldén – one of the world's leading manufacturers of spar and rigging systems for yachts displacing from 2 to 30 tonnes. An aluminium mast with two spreaders and furlex are standard. In-mast furling with or without an electric motor is available as an option. There is also the option of a carbon fibre mast.



In-mast furling*



Electric In-mast Furlin*



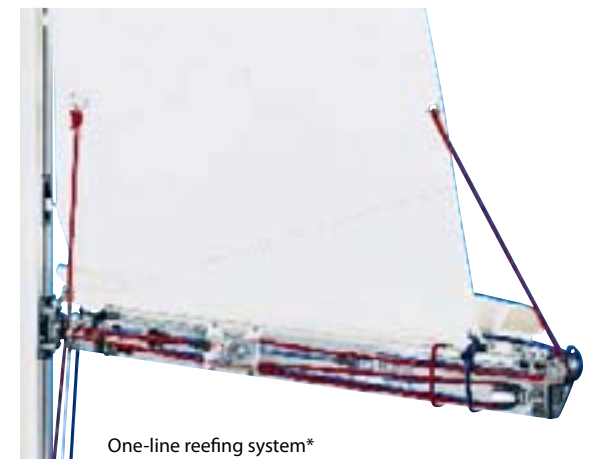
Carbon fibre is a lightweight and strong alternative. For modern yachts, carbon fibre is increasingly ordered as an alternative to aluminium. The strength and low weight of carbon fibre contribute to the excellent sailing properties. Carbon fibre spars are around 50 % lighter than traditional aluminium masts. The result is increased speed, and the lighter mast also gives the boat a lower centre of gravity, thus reducing heeling and pitching and generating a smoother, more enjoyable ride. The advantageous stiffness to weight ratio also means that the mast can be engineered for less reliance on runners and babystays, for example. Najad's carbon fibre masts are supplied by Nordic Mast.



Furlex



Electric furlex*



One-line reefing system*



Tape-Drive sails*

Sails

* Options

The sails for the Najad 355 are made by UK-Halsey Sailmakers. The Najad 355 is delivered with mylar DC Polyester sail cloth as standard. You can also choose Tape-Drive ® or UK Millenium. All the cloths are mildew treated and have UV cloth in the leech and foot as standard. UK-Halsey Sailmakers is part of a worldwide network of over 35 UK Sail lofts.



DC Polyester
DC Polyester is a sandwich mylar that was developed to ensure low stretch and durability and is an easy to handle high tech furling sail. The laminate has a core (scrim) of polyester fibres of immense strength.



Tape-Drive – Stronger, lighter, faster *
The secret of Tape-Drive’s strength is the web of low-stretch tapes that run along the sail’s primary load paths from corner to corner. Because the major stresses in a sail are borne by tapes, the base sail cloth only needs to be a lightweight laminated skin fabric. Tape-Drive sails are light enough to lift and fill to get the boat going in light breezes, while being strong enough to hold their shape in a blow.



UK Millenium *
UK Millenium is a result of improving Tape-Drive. UK-Halsey Sailmakers design and engineer the laminate and the sail at the same time and then build the two in unison. With this method, the load-bearing materials follow the sail’s load map. Secondary and tertiary loads are handled by the addition of a tri-axial aramid scrim.

Navigation

You can choose navigation equipment to suit your particular needs. The examples below come from Raymarine, a renowned supplier working with Najad for many years.



Raymarine series of navigation instruments for simple and clear display of the most important functions on board.



Autopilot: ST6002+ Shows data from up to 7 SeaTalk pages on a high-quality LCD screen.



Multifunctional colour screen for radar functions, map plotter and fishing sonar: C80 with 8.4 inch TFT LCD or C120 with 12.1 inch TFT LCD. There is also the option of the E80 or E120.



Radar antenna: 18 or 24 inch radom antenna with output of 2 and 4 kW respectively.



VHF with DSC (Digital Selective Calling).



Comprehensive software for navigation system. RNS map plotter, map rotation, transparency control, supports vector 3D raster.



Exterior details

* Options



Light inducing frosted panels



Lines led to the cockpit



Storage of lines



White hull with alternative decorative line*



Shower on swimming platform*



Stainless steel protection*



Under-deck windlass*



Teak on coach roof*



Self-tacking jib*



Opening in lifelines*



Optional pedestal head for instruments*



High-gloss varnished entry*



Interior details

* Options

The interior is of extremely high quality throughout, with mahogany and jatoba as the main types of wood. A selection of high quality fabrics are included in the standard specification. There are additional alternative upholsteries such as leather and alcantara. In other respects too the Najad 355 offers virtually unlimited scope for creating an interior that meets your personal needs. Here are a few examples.



A selection of high quality fabrics.



Handles and locks in high-gloss stainless steel or with a brushed matt surface



Drop-leaf table in galley*



Jatoba and Wengé – contrasting wood



Auto-shut drawers



Integrated blinds*



Designer faucets in stainless steel



Counter tops made of Corian®*



Entertainment

* Options

There is a wide selection of alternatives for on-board entertainment. Here are just a few of the options available.



Computer for navigation and entertainment, with integrated wireless Internet connection*



CD/DVD player with MP3 connection*



Flat screen TV*



Waterproof loudspeakers in the cockpit*



Ipod music player*

Engine and batteries



Volvo Penta D1-30S

Engine

The Najad 355 is powered by the Volvo Penta D1-30S (option: D2-40S), a compact four-cylinder marine diesel producing 28,4 hp, with an S-drive and a 3-blade folding propeller. The engine is designed to work at low revs, putting the emphasis on low noise level and minimum vibration. High torque across the entire rev band and low emissions are other important characteristics.

Technical specifications D1-30S

| | |
|----------------------|------------------------------------|
| Crankshaft output | 20,9 kW at 3000 r/min |
| Configuration | In-line 3-cylinder |
| Generator | 115 A |
| Displacement | 1,13 litres |
| Weight incl. S-drive | 158 kg |
| Emissions | BSO, SAV, RCD, EPA2 |
| Propeller | S-drive, 3-blade folding propeller |

Technical specifications D2-40S (option)

| | |
|----------------------|------------------------------------|
| Crankshaft output | 29,1 kW at 3000 r/min |
| Configuration | In-line 4-cylinder |
| Generator | 115 A |
| Displacement | 1,51 litres |
| Weight incl. S-drive | 189 kg |
| Emissions | BSO, SAV, RCD, EPA2 |
| Propeller | S-drive, 3-blade folding propeller |



Mastervolt Mass Combi (option)

Batteries

Battery chargers, inverters and batteries are available in a number of different varieties for different needs.

Mass Combi

The Mastervolt Mass Combi includes a three-stage charger and an inverter with sinus wave. The inverter can handle a peak power of 200 % and the charger keeps your batteries in shape for a long time.

Mass battery chargers

All Mastervolt chargers take care of all types of batteries and keep them fully charged without overcharging.

Mass inverters

Mastervolt Mass inverters deliver pure sinus wave to the onboard equipment.

AGM Batteries

With AGM technology you get deep cycling and high Amp capacity, ideal for feeding the inverter and DC consumers such as the navigation equipment and refrigerator. AGM as stands for Absorbed Glass Mat.



The fuse panel has a code-lock to seal the vessel's main power cutout switch

Electrical system

Domestic system voltage is 12V. Electric power is generated by a 115 A alternator linked to the main engine, or via the shore power connected battery charger that is standard.

Standard AGM batteries with a total domestic capacity of 240 Ah, and a separate AGM start battery with a capacity of 75 Ah. All the fuses in the panel are of the semi-automatic circuit breaker type.

The tank monitors are programmed to the shape of each tank and display readings digitally in either litres/gallons or percent.

The scope of the electrical system varies with the equipment specified on board.

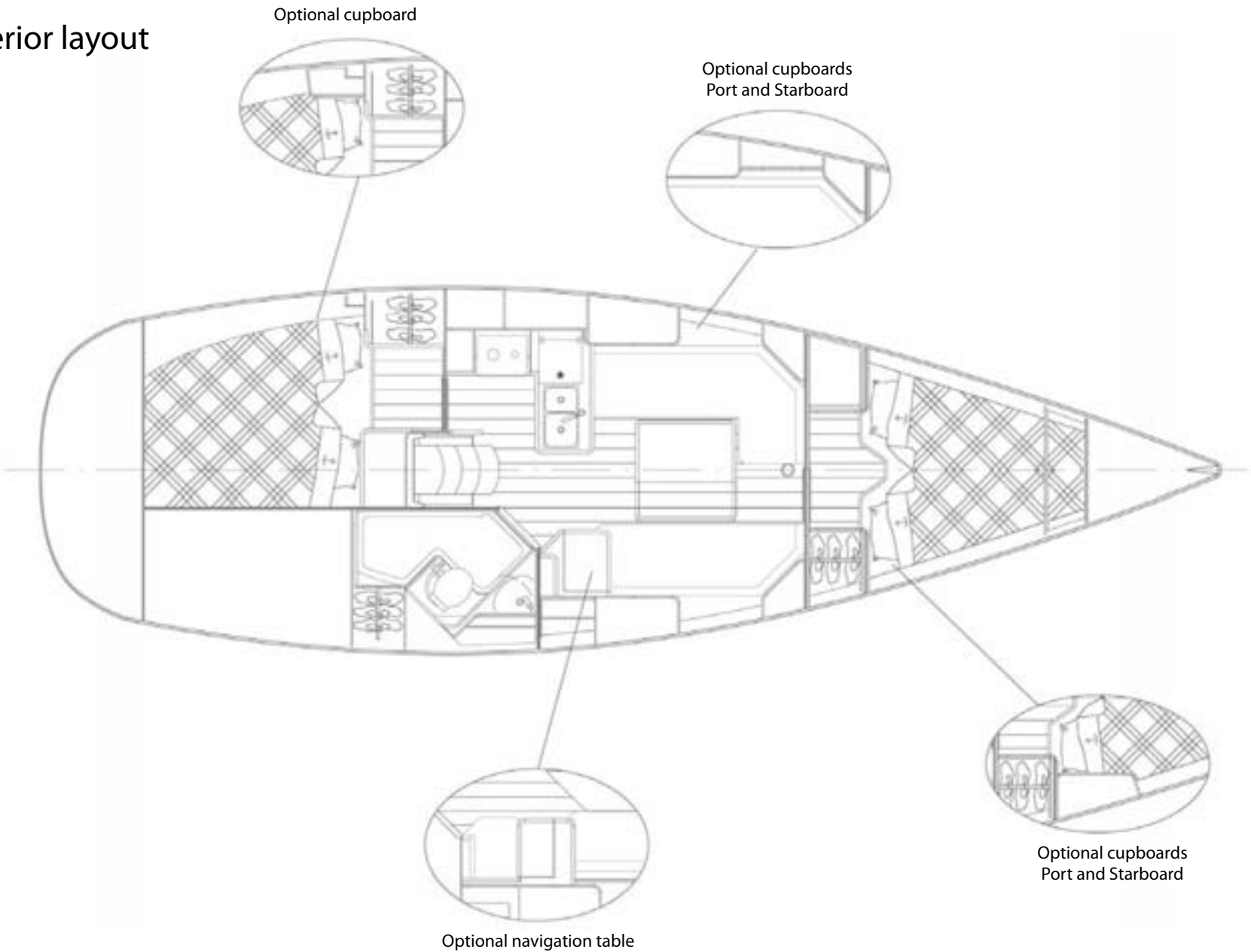
Standard electrical equipment

- Code locked 12 volt domestic system
- Remote controlled domestic main switch
- AGM Batteries 240 Ah
- Digital water and fuel tank meters showing contents in litres/gallons
- Battery charger
- 230 or 115 volt shore supply system

Standard mechanical equipment

- Volvo S-drive 28,4 h.p.
- Volvo 3-blade folding propeller
- Heating in all cabins
- Holding tank with warning indicator (75% full)
- Electric emergency bilge pump
- Manually operated bilge pump
- Water heater

Interior layout



| | |
|------------------------------|---------|
| Length overall | 10.90 m |
| Length waterline | 9.58 m |
| Beam | 3.40 m |
| Draught | 1.90 m |
| * Alternative draught | 1.70 m |
| Displacement | 6.9 t |
| Ballast | 2.5 t |
| Mast height above water line | 16.50 m |

| | |
|---------------------------|-------|
| Engine Volvo Penta D1-30S | |
| Power 20.2 kW, 28 h.p. | |
| Water capacity | 250 l |
| Hot water heater | 40 l |
| Fuel capacity | 150 l |
| Holding capacity | 60 l |

| | |
|-------------------|---------------------|
| Cruising | 63.8 m ² |
| Main | 36.7 m ² |
| Working jib | 27.1 m ² |
| * Furling Genoa | 36.6 m ² |
| * Spinnaker | 94.2 m ² |
| * Gennaker | 89.8 m ² |
| * Extra equipment | |

Najad - Co-operators





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www.najak.com



Najad 355

Najad 355 är en snabb, säker och bekväm båt med måttliga proportioner, tilltalande kombination av funktion och stil, och som alla våra båtar utsökt välgjord. Smala V-formade ingångssektioner föröver och U-formade sektioner akteröver ger bra formstabilitet för prestanda på kryss, förträfflig sjöduglighet och snabb segling på undanvind. En djup aktersittbrunn ger komfort och säkerhet till sjöss med gott om svängrum för effektiv hantering av båten i alla slags förhållanden.

Generösa förvaringsutrymmen i sittbrunn och akterspegel, på vardera sidan om ratten finns utrymme att stuva fall, skot och trimlinor för praktisk och säkrare förvaring. Full ståhöjd på de flesta ytor i salong, hytter och toalett. Många förvaringsutrymmen gör det lätt att hålla interiören ren och fri.

Handpolerad mahogny och snickeri i mörkt trä i kontrast för att skapa värme och kvalitet i varje hytt. Läderöverklädda handtag, dimmerströmbrytare och självstängande pentrylådor gör att livet ombord får det där lilla extra. Allt som allt är 355 ett utmärkt sätt att börja njuta av Najad.

Die Najad 355 ist ein schnelles, sicheres und komfortables Boot mit moderaten Maßen. Eine gute Kombination aus Funktionalität und Style und wie alle unsere Yachten qualitativ hochwertig. Die schmale V-Form im vorderen Bereich sowie der U-förmige Achterbereich geben der Najad 355 ihre gute Formstabilität bei starken Winden gegenan, und hervorragende Seetauglichkeit sowie gute Segeleigenschaften mit dem Wind. Im tiefen Achtercockpit hat man viel Bewegungsfreiheit und kann das Boot unter allen Bedingungen gut steuern, was sowohl Komfort als auch Sicherheit auf See gewährleistet.

In zahlreichen und großzügigen Stauräumen im Cockpit, Heckbereich und auf beiden Seiten des Cockpits kann man alle Fallen, Schoten und Trimmleinen sicher und praktisch verstauen.

Mit guter Stehhöhe in den meisten Bereichen unter Deck ist die Najad 355 durch viel nutzbaren Wohn- und Stauraum geprägt. Von Hand poliertes Mahagoni und dunkle Holzdetails schaffen eine warme und hochwertige Atmosphäre in allen Kabinen. Lederbezogene Handläufe, Schalter mit Dimmfunktion und selbstschließende Küchenschubladen verleihen dem Leben an Bord das gewisse Extra. Alles in allem ist die 355 ein guter Anfang um in den Najad-Genuss zu kommen.

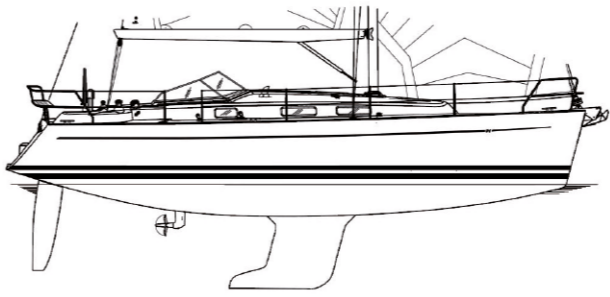
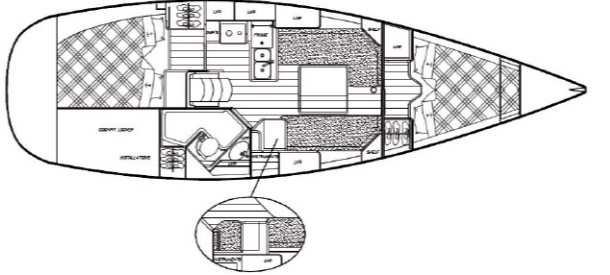
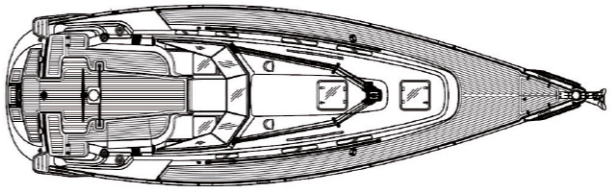
The Najad 355 is a fast, safe and comfortable boat with moderate proportions, an appealing combination of functionality and style, like all our boats, it is exquisitely made. Narrow V-shaped sections at the front and U-shaped sections in the aft provide good dimensional stability for performance during upwind, excellent seaworthiness and fast sailing downwind.

A deep aft cockpit provides comfort and safety at sea with plenty of room for efficient manoeuvring of the boat in all conditions.

There is generous storage space in the cockpit and transom, with space either side of the steering wheel for practical and safe storage to stow ropes, sails and control lines.

There is full standing headroom in most areas of the saloon, cabins and toilets. Ample storage space makes it easy to keep the interior clean and tidy.

Hand-polished mahogany and dark wood joinery contrast to create warmth and quality in each cabin. Leather-clad handles, dimmer switches and self-closing kitchen drawers give that extra edge to life on board. All in all, the 355 is an excellent place to begin enjoying Najad!



| TECHNICAL INFORMATION | |
|------------------------------------|----------------------------------|
| L.O.A | 10.9 M |
| L.W.L | 9.58 M |
| BEAM | 3.4 M |
| DRAUGHT (OPTIONAL SHALLOW DRAUGHT) | 1.9 M (1.7 M) |
| DISPLACEMENT | 6.9 T |
| BALLAST | 2.3 T |
| MAST HEIGHT ABOVE WATER LINE | 16.5 M |
| ENGINE | VOLVO PENTA D1-30S (20 kW) 27 HP |
| WATER CAPACITY + HOT WATER BOILER | 250 L + 40 L |
| FUEL CAPACITY | 150 L |
| HOLDING TANK CAPACITY | 60 L |
| SAIL AREAS | |
| CRUISING | 63.8 M² |
| FULL BATTEN MAIN | 36.7 M² |
| WORKING JIB | 27.1 M² |
| DESIGN AND CONSTRUCTION | judel/vrolijk & co and Najad |

Se fler bilder, ladda ner broschyr, tekniska specifikationer och tillbehörsutbud på www.najad.se

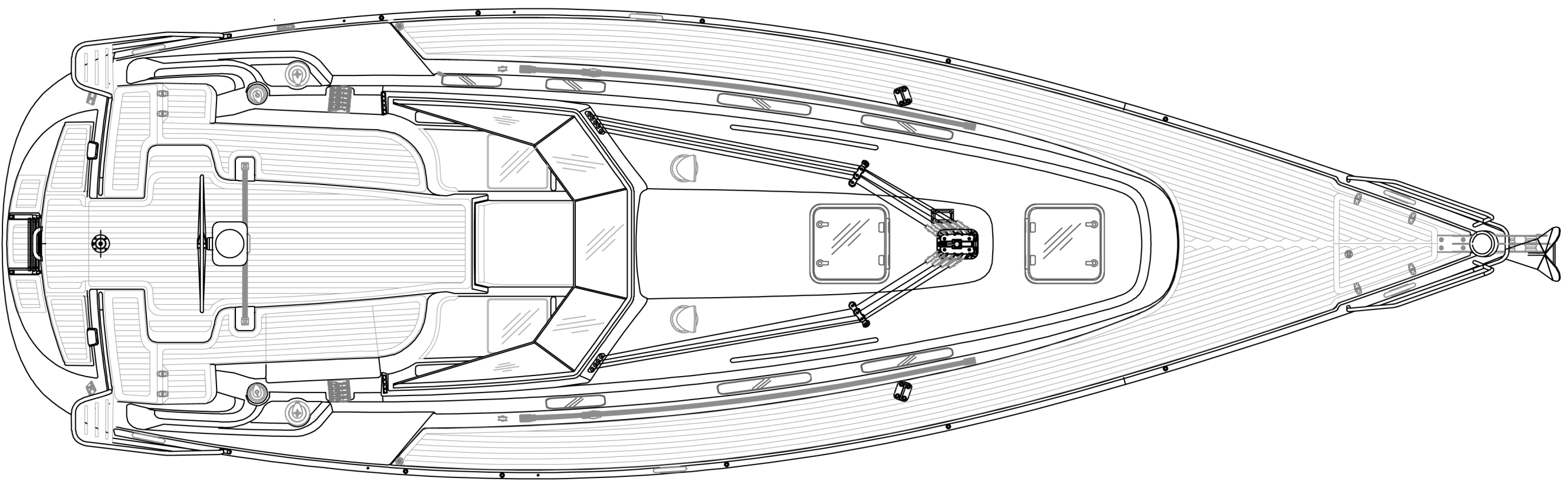
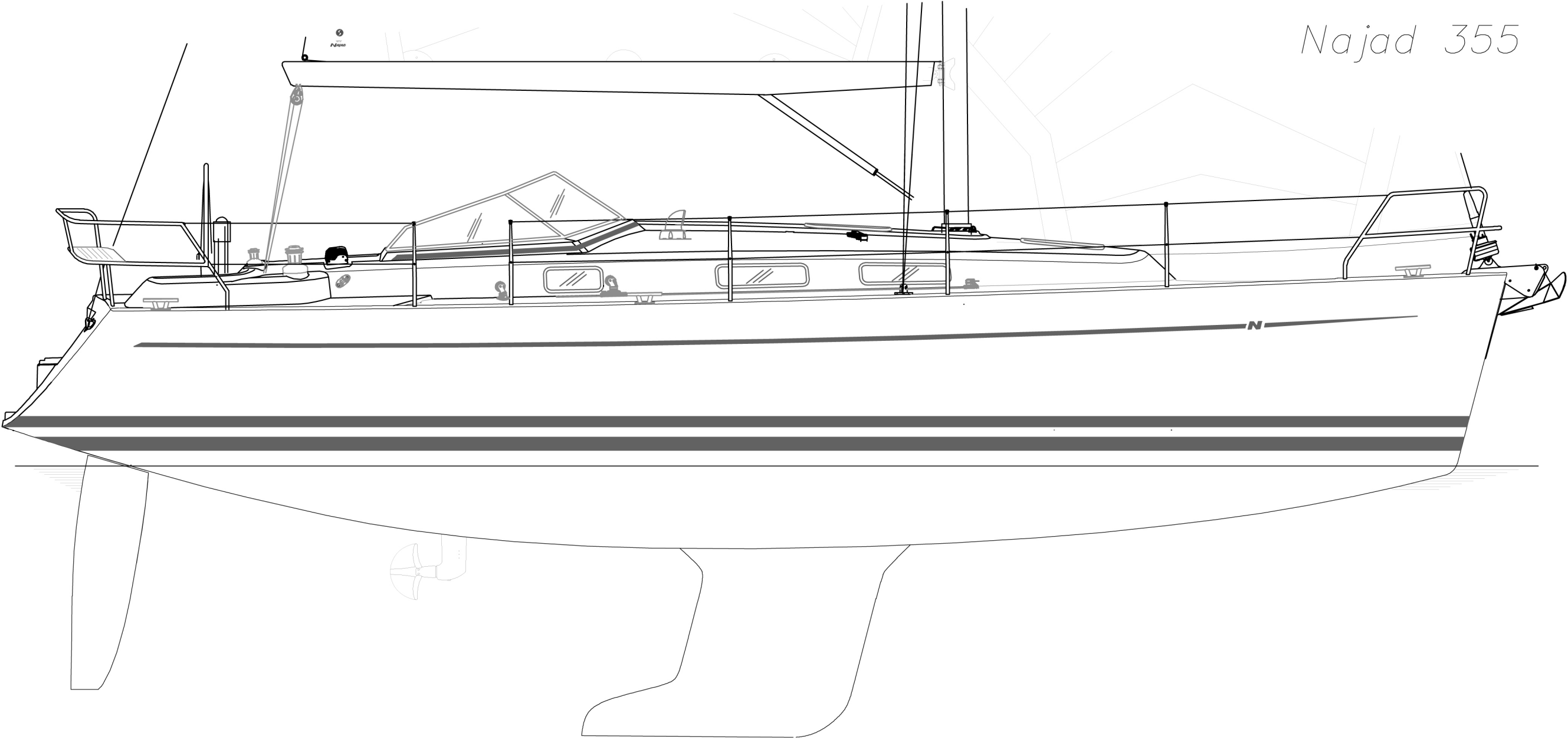
Mehr Bilder sowie die Broschüre, technische Details und Zubehörangebot finden Sie unter www.najad.se

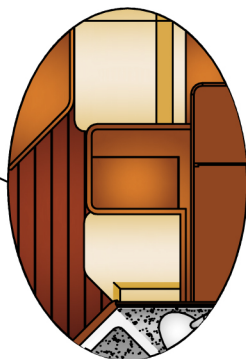
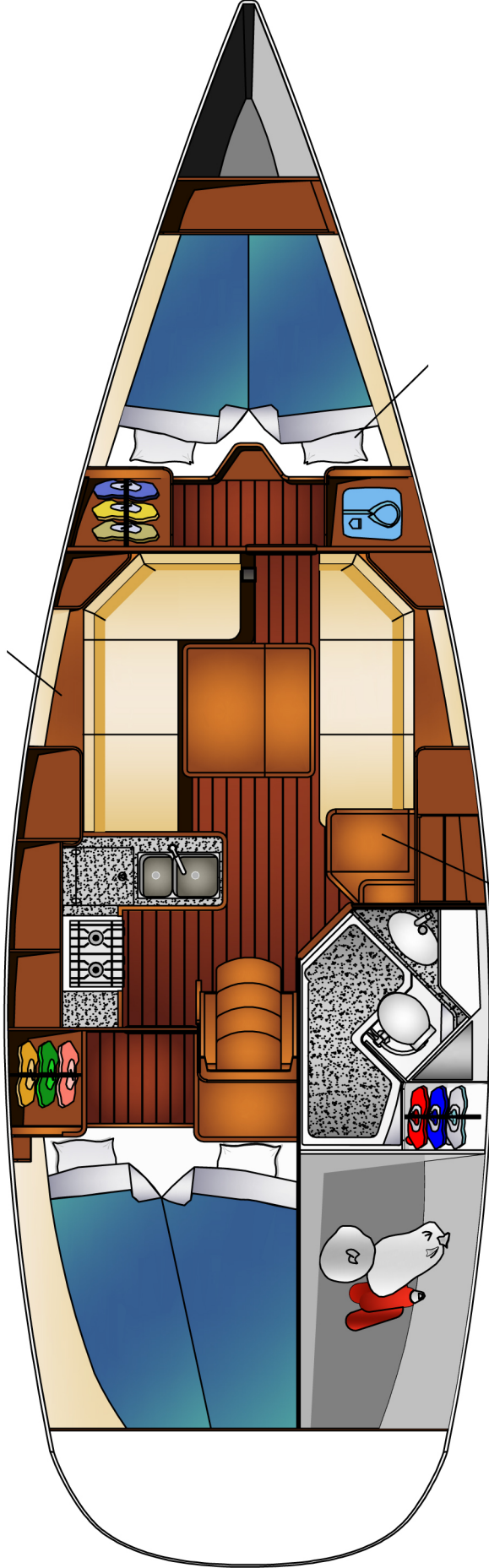
To view more pictures or download the brochure, technical specification and accessories, visit www.najad.se

Najad 355

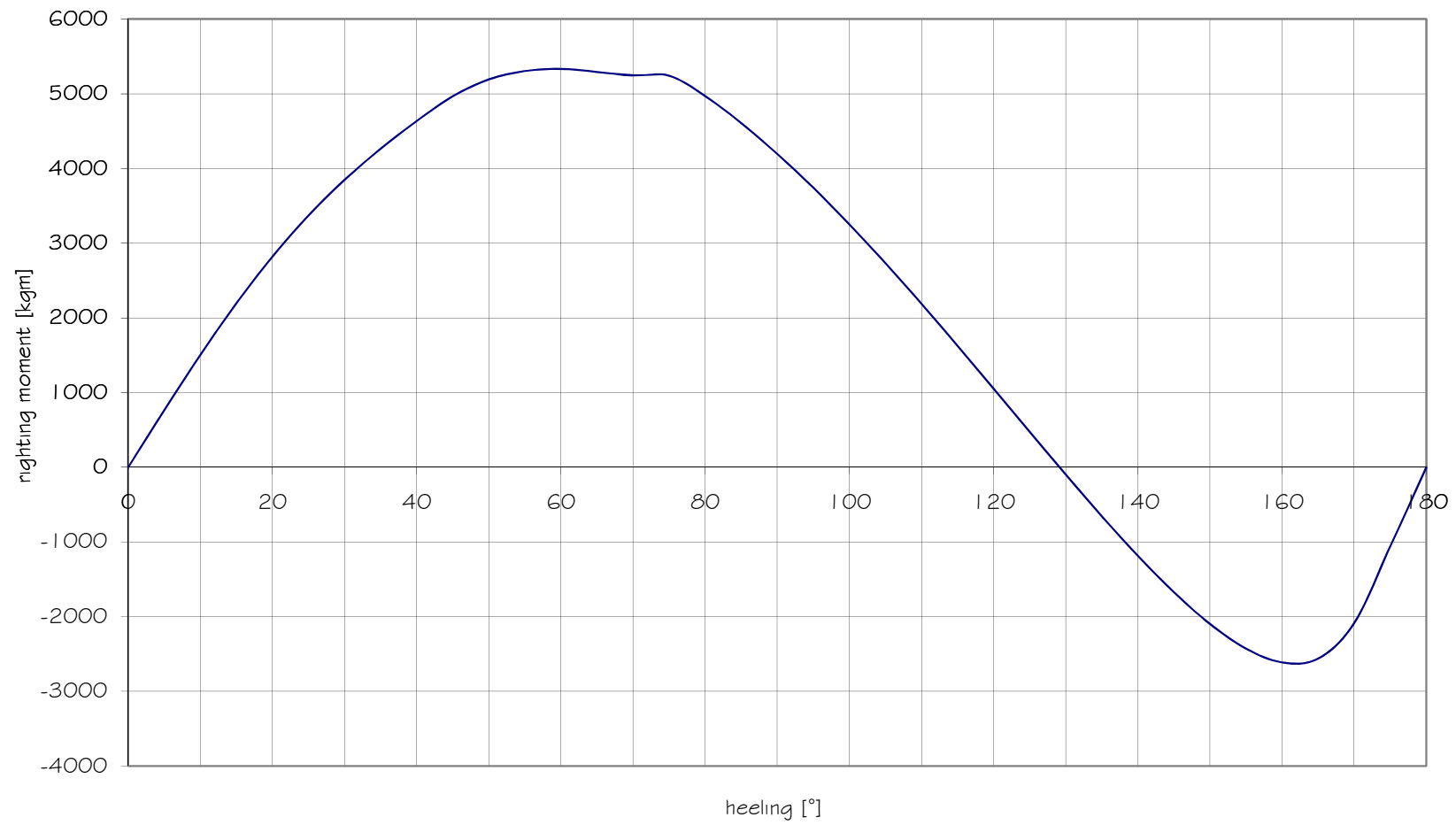


Najad 355





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judel/vrolijk & co

Najad 355

