

DESCRIPTION OF THE STANDARD EQUIPMENT

MAIN TECHNICAL DATA

L.O.A.....	17,30 m
Hull length.....	16,74 m
L.W.L.....	14,85 m
Beam.....	4,99 m
Width at water line.....	4,14 m
Draft.....	2,20 m
Height from water line.....	21,30 m
Weight unloaded.....	21,5 t
Displacement with full load.....	24 t

Ballast.....	5,9 t
Main sail area.....	47 m ²
Genoa.....	75 m ²
Mizzen sail.....	29 m ²
Staysail (option).....	22 m ²
Diesel engine.....	110 HP (80 kW)
Fuel tank capacity.....	900 litres
Fresh water tank capacity.....	800 litres

CONSTRUCTION

- Hull made from composite, Roving 71 glass fibre / isophthalic resin, monolithic laminate, laid up by hand (application / coating / air removal) in lengthwise and transverse layers with a two thirds overlap.
- Frame structure in polyurethane omega-foam and plywood, laminated to the hull, as is all the joinery structure (bulkheads, furniture units, lockers, etc.)
- This system guarantees the highest rigidity of the whole unit and optimises load spread. Compression forces from the masts / rigging are compensated by a structure of support pillars for the masts and chain plate tie-rods laminated to the hull for the rigging.
- The bulkheads are glued and laminated with the deck. 4 of them are watertight bulkheads with isolation valves.
- Composite Roving 71 glass fiber / isophthalic resin and balsa sandwich deck moulded by the same process as the hull (the deck is glued and laminated to the hull and the bulkheads).
- The fore and aft bridge, foredeck and quarter deck are made from "Amel teak", moulded into the deck.
- Self-bailing cockpit (100 mm diameter scuppers)
- Cast iron ballast fixed to the hull / keel by stainless steel bolts, sealing by high load density glass / resin composite mastic.
- Monolithic laminate rudder with skeg made from plain composite, moulded in one piece with the hull. The rudder is mounted at 3 points, the rudder trunk is laminated and the intermediate fitting and socket are stainless steel, bolted. Stainless steel rudder stock, 60 mm in diameter.

DECK FITTINGS

- Stainless steel bow fitting for 2 anchors. Fresh water outlet on the deck.
- Electric windlass controlled from the cockpit, stainless steel Bügel (Wasi) 30kg anchor, 100m of 10mm galvanised chain (2nd electric windlass available as an option).
- Stainless steel pulpit, pushpit and side rails (openings in the pushpit for easy access to quay or pontoon). Double stainless steel guard lines.
- LED navigation lights.
- 8 stainless steel mooring cleats.
- Bracket for outboard engine in aft locker.
- Stainless steel chain plates.
- Sheet traveller tracks with tidy travellers
- Set of pulleys throughout
- All traveller and sheet controls (manual and electric) are run to the cockpit.

- 2 electric genoa sheet winches.
- 2 stay sail sheet winches.
- 1 electric mainsheet winch.
- 1 mizzen sail sheet winch.
- 2 manual main mast winches.
- 1 manual mizzen mast winch.
- Halyard downhauls : 1 on the main and 1 on the mizzen mast.
- 4 halyard clutches (including one double).
- 12 hatches ; 6 opening portlights.
- 1 helmsman's station in the wheelhouse with a leather covered stainless steel wheel. The wheel steering is mechanical.
- Central console in the wheelhouse for the electronics, together with all the other controls (windlass, furling gear, thruster, etc).
- Adjustable teak and laminate cockpit table.
- Locker and storage spaces in the cockpit, 1 locker at the mizzen mast foot on portside.
- Very comfortable composite helmsman's seat with leather seat and back.
- On deck, 4 large lockers:
 - At the foredeck : a large locker with easy access to the bow thruster and chain lockers, a wide space for fenders, mooring lines and extra sails.
 - To portside, next to the cockpit : a locker for various equipments (oil tank for the outboard engine, cleansing products, hosepipes, etc.)
 - Right by this locker : a second locker with 2 gas cylinders fitted with 1 safety pressure valve and an electric valve. The whole locker breathes to the fresh air.
 - On the aft deck : a large locker for a possible dinghy, outboard engine, diving equipment, fenders and others.

WHEELHOUSE

- Large, comfortable and reassuring wheelhouse. Very strongly built from composite material with carbon frame, made for very pleasant and comfortable life on board, and safe sailing in all weathers.
- Plexiglas forward and side windscreens. The central part opens as do two hatches in the roof.
- The whole unit offers an exceptional panoramic view and perfect ventilation.
- Rigid sliding sun awning forming an extension to the roof.
- LED lighting in the wheelhouse.
- Large and lightened locker.

SAIL LOCKER

- Very large sail locker forward, lightened, separated by a watertight and insulated bulkhead. 220V power socket.
- Access via hatch, lockable from the outside, interior finish light coloured gel coat.

RIGGING

- The Amel 55 is rigged as a ketch.
- "AMEL" main and mizzen masts. Both masts are designed and entirely manufactured by AMEL. The finish is a 2-component polyurethane paint. 2 sets of spreaders on the main mast and 1 on the mizzen. AMEL 24V electric roller reefing system with manual release on the main mast. Manual roller reefing system on the mizzen.
- LED deck lights on the main and mizzen masts.
- Mooring and masthead lights (LED).
- Single strand stainless steel standing rigging .
- Vectran and Dyneema halyards.
- Purpose built AMEL booms, finished in polyurethane paint.
- Down-haul on the main boom.
- Automatic topping lift on mizzen boom.
- Electric genoa furling gear.
- Painted aluminium pole with required rigging. Fitted at the base of the main mast.

ENGINE

- Very spacious watertight engine room, with very efficient sound insulation. The engine and all the heavy equipment (generator set) are centred and positioned very low.
High density insulating foam and inside coating with high acoustic performance.
Several lighting points, 220V and 24V sockets.
Access: from the cockpit, full opening of the cockpit bottom assisted by gas struts.
- Volvo engine, 5-cylinder, low speed diesel engine, 110HP, hydraulic gearbox with shaft brake. Electric throttle. AMEL angle transmission.
Fixed 3-blade propeller (folding propeller available as an option).
Diesel fuel capacity: 900 litres.
Double diesel fuel filter with 3-way tap.
- 2 x 24V fans: 1 extractor, 1 blower. 1 x 220V fan for the generator.
- Onan 3-cylinder generator, 1500 rpm, 7,5 kW.
- Retractable electric bow thruster, 11HP.
- Fresh water pump, hot water tank (50 litres) ...

ELECTRICAL INSTALLATION

- 24V and 220V distribution boards with ammeters and voltmeters.
- 12V circuit for engine and generator.
- 24V, 640 Amp/h service circuit.
- 220V circuit with cable and pontoon connector at the aft, and 220V/24V, 100 Amp charger.
- 24V interior lighting (mostly LED).
- 12V, 24V and 220V sockets.

FITTINGS

Woodwork

- Wood finish : polyurethane two-component multi-coat varnish.
- Light coloured wood flooring (oak)
- Many handrails, lighting by spotlights and wall lamps (mainly LED).

Storage

- Numerous storage spaces on board including cabinets (closed and open), drawers, hanging lockers and under sole lockers.

Trimming and upholstery

- High quality standard upholstery and trim. Optional different upholstery available on request.
- Black-out blinds on all the port lights.
- Black-out blinds and fly screens for all hatches.
- Lee clothes for the berths

SALOON / CHART TABLE / GALLEY

Saloon:

- It is very bright and spacious. It provides an excellent view of the outside from its 4 opening hatches and 4 large hull portlights. The companionway is well protected by the wheelhouse and can even remain open in rainy weather.
- Direct and indirect lighting (mainly LED).
- Numerous electrical sockets.
- Large sliding table with extension, for 8 people, with very comfortable U shaped seat. Close storage for dishes.
- Saloon part: 1 very comfortable sofa with a wine / spirit cabinet and storage for glasses.
- Audio system: radio-CD-MP3 with BOSE acoustics.

On the starboard side, the forward facing navigation station.

- Large chart table with many storage spaces.
- All the electronic equipment is set into a wooden unit.
- Easy access to 220V, 24V and 12V power sources; electrical backlit 24V board.
- Very comfortable navigator's chair.
- Excellent view outside via a large portlight.

Galley:

- Situated to the left of the companionway, it is very large and is a major feature of the life on board. A large opening portlight gives a view of the outside whilst doing the cooking.
- It is naturally very light, great attention has been paid to the lighting and ventilation which are excellent.
- It comprises :

<ul style="list-style-type: none"> - 2 large working surfaces made of moulded Corian with surround - 2-basin stainless steel sink with mixer tap and hand shower. - A combination of low units, drawers and upper cabinets. - A gimbal-mounted 3-burner stove/oven, with potholders. - Electric extractor hood with filter 	<ul style="list-style-type: none"> - Stainless steel microwave oven, 220V - 150 litre refrigerator and 150 litre freezer. - Several 220V sockets. - Fresh water capacity: 1 x 800 litre tank with access through hatches. - Partitioned wastewater tank (capacity: approximately 60 litres), with 2 sewage pumps.
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FORWARD OWNER'S CABIN

- Closed by a watertight door. It covers the full width of the hull. It is vast, very light and well ventilated thanks to 3 deck hatches and 2 hull portlights. LED lighting by ceiling lights, wall lamps and reading lamps (mainly LED).
- Central 1.60m double bed, slat base and high density foam mattress. Very large storage space under the bed with top access.
- Cabinets, drawers, and a large hanging locker for optimum ease of storage.
- Desk unit/dressing table to starboard with swivelling seat, mirror and 220V sockets.

Heads compartment:

- Spacious shower, floor grating and sliding door, mixing tap. Handrail in the shower, storage and lights.
- Lighting by deck hatch and ceiling lights.
- Storage unit with deep flush washbasin and mixer tap.
- Cabinets, towel rail, clothes hooks, toilet paper holder and mirror.
- Electric vacuum marine toilet (fresh water) with black water tank.

PASSAGEWAY

- Isolated from the saloon by a sliding wooden door.
- On starboard, with a spacious and comfortable single navigation berth.
- Large hanging locker with storage spaces and upper cabinets ; 1 opening porthole.
- Lighting by spot lamps and reading lamps (LED), 220V socket

NAVIGATION ELECTRONICS

- Furuno FR1835 radar.
- Furuno FS150 GPS.
- B & G Hydra 3000 including: 1 GFD at chart table, 1 GFD in cockpit.
- VHF at chart table
- Hydraulic Furuno Navpilot 711 automatic pilot.

SAILS AND ACCESSORIES

- Tri-radial cut Hydranet mainsail.
- Tri-radial cut Hydranet mizzen sail.
- Tri-radial Hydranet genoa.
- Complete set of sheets and vang for both booms.
- 2 x 15m of mooring lines
- 2 x 20m of mooring lines
- 8 fenders
- Owner's manual, drawings, diagrams and equipment manuals.

VERSION WITH TWO AFT CABINS (STANDARD)

STARBOARD AFT CABIN

- Access to the cabin is via the passageway. Closed by a watertight door.
- Ventilation and daylight by fixed portlights, 2 opening hatches and 1 opening portlight.
- General lighting by spot lamps, reading lamps (mainly LED).
- Large double bed with great storage space under.
- Generous storage in closed and open cabinets, drawers, hanging locker.
- 220V socket.
- Desk with seat.

PORT AFT CABIN

- Access to the cabin is also via the passageway. Closed by a watertight door.
- Ventilation and daylight by fixed portlights, 2 opening hatches and 2 opening portlights.
- General lighting by spot lamps, reading lamps (mainly LEDs).
- 2 separate berths.
- Generous storage in closed and open cabinets, drawers, hanging locker and spaces under the berths.
- 220V socket.
- Desk with seat.

HEADS COMPARTMENT FOR AFT STARBOARD AND PORTSIDE CABINS

- Direct access from the aft starboard cabin and from the passageway.
- Ventilation and daylight by an opening hatch
- LED ceiling lights.
- Storage unit with deep flush washbasin and mixer tap.
- Mirror, towel rail, toilet paper holder and clothes hooks.
- Electric vacuum marine toilet (fresh water) with black water tank.
- Spacious shower with mixing tap, lighting, storage.

LAUNDRY AREA

- Located in the aft portside cabin
- Combined washing machine/dryer
- Storage for detergents.

End of the standard equipment

VERSION WITH ONE LARGE AFT CABIN (OPTIONAL)

→ Large, spacious and comfortable, it comprises:

- Closed by a watertight door.
- 1 large central double bed with two bedside units
- Numerous closed and open cabinets, drawers, 2 hanging lockers, large storage space under the bed.
- Big mirror.
- Desk unit/dressing table with swivelling seat.

→ The cabin is very bright :

- 2 hull portlights
- 1 aft panoramic portlight
- 3 opening hatches
- 3 opening portholes

→ General lighting by :

- 2 bedside lamps
- LED spot lamps, reading lights and indirect lighting
- 220V sockets

→ Heads compartment : Located on portside, it is comfortable and functional ; it comprises the following :

- Separate shower with a glass door, mixing tap, storage for shower products.
- Storage unit with deep flush washbasin.
- Big mirror, cabinets, towel rail, toilet paper holder and clothes hooks.
- Lighting by LED ceiling spot lamps and wall lamp.
- Ventilation: 1 hatch and 1 opening porthole.
- Electric vacuum marine toilet (fresh water) with black water tank.

→ In this "one large aft cabin" version, the passageway is fitted with a heads compartment comprising the following :

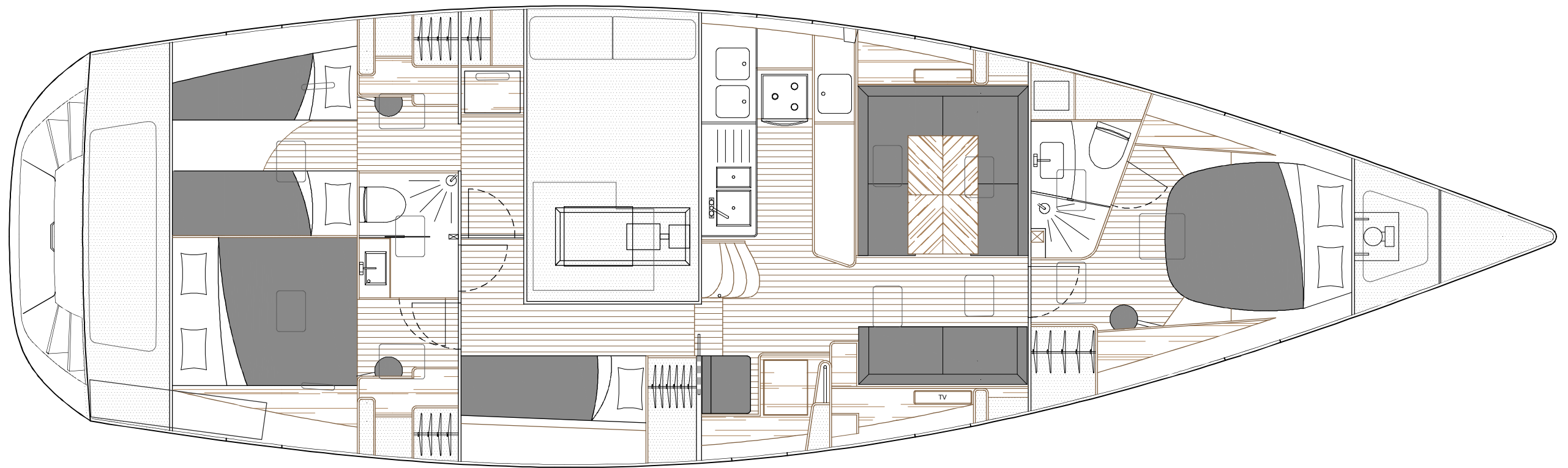
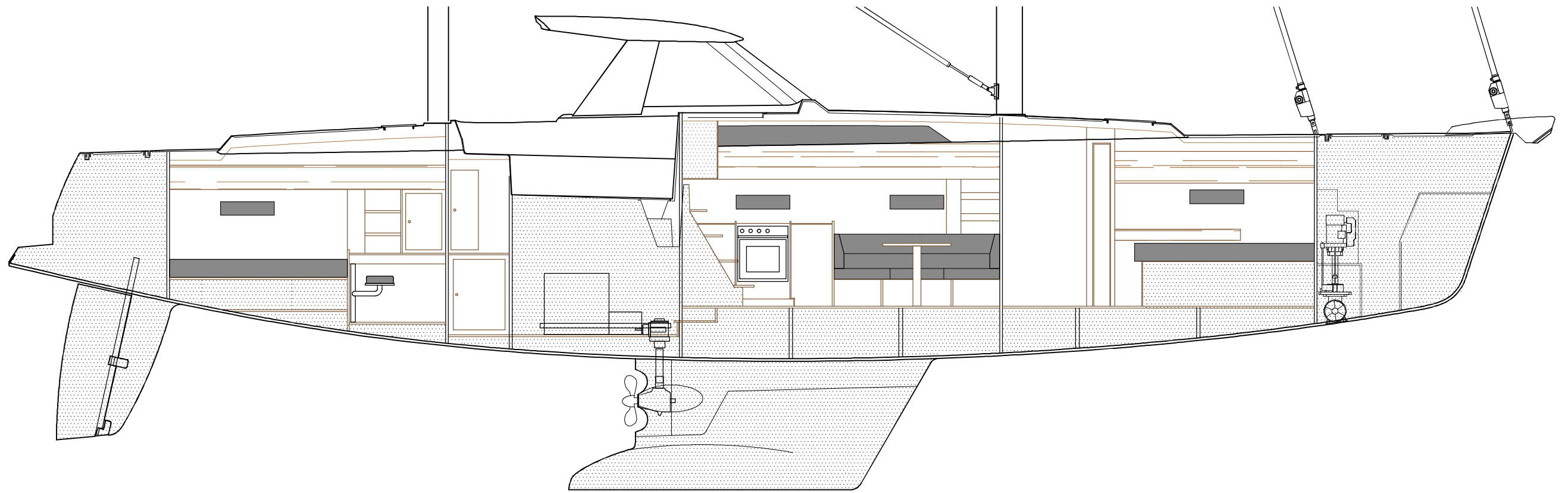
- Combined washing machine/dryer.
- Electric vacuum marine toilet (fresh water) with black water tank.
- Storage unit with deep flush washbasin, mirror, clothes hooks, towel rail.
- Cabinets and storage spaces
- Shower with curtain
- Opening hatch
- LED ceiling lights

This document is not contractual, and the AMEL Shipyard reserves the right to alter any element concerning this list of equipment.

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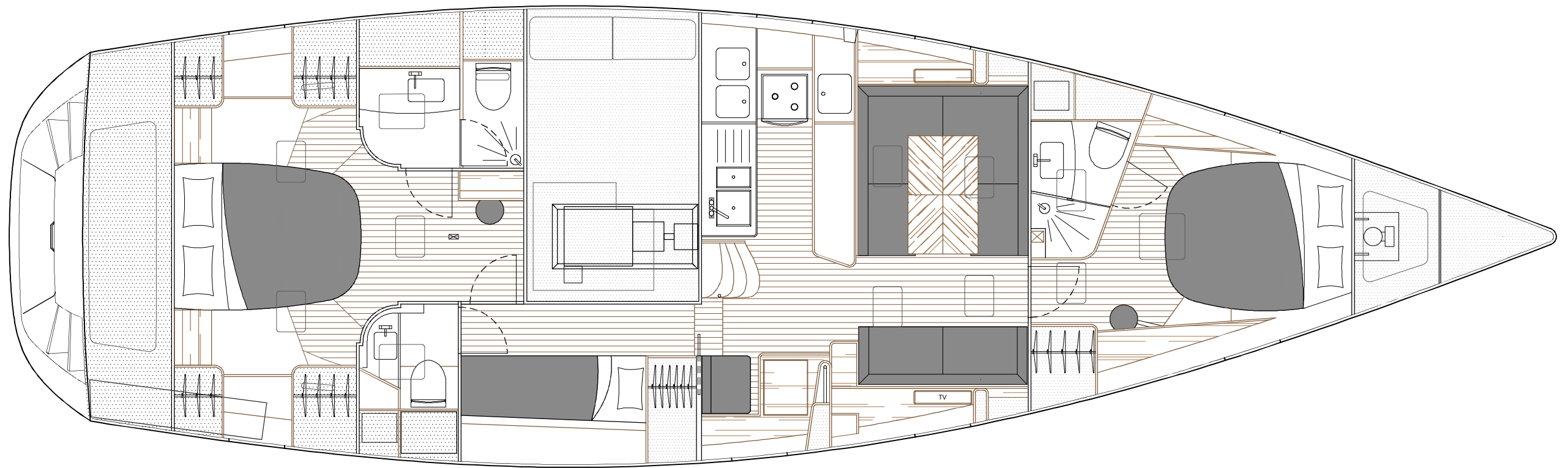
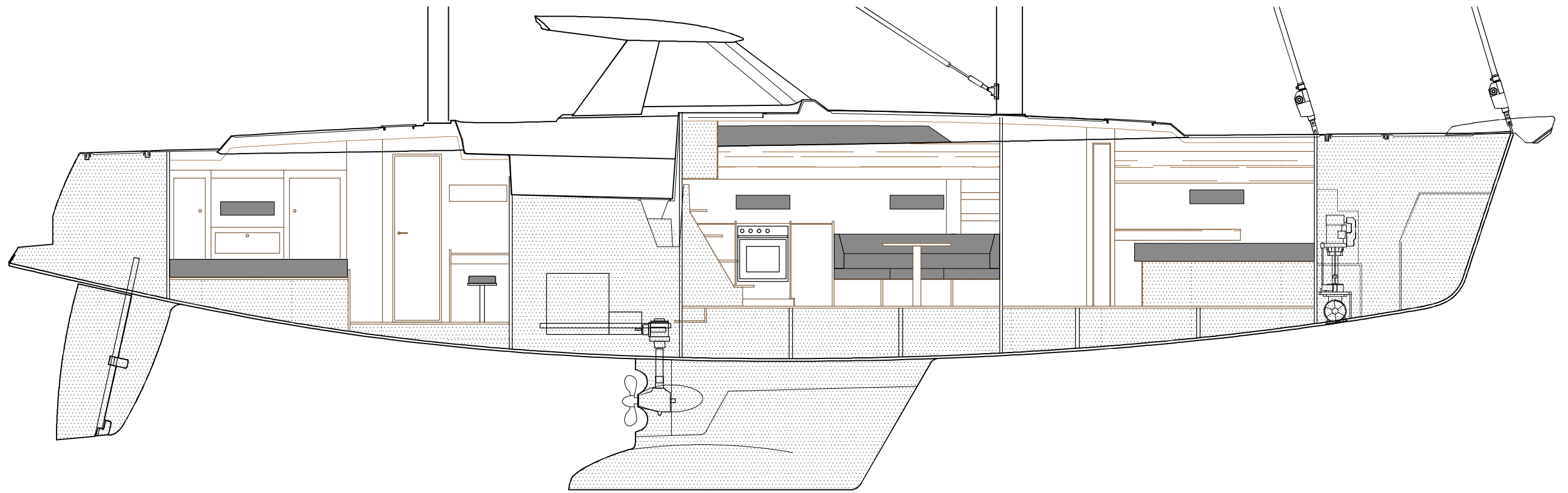
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AMEL 55

VERSION STANDARD : 2 CABINES ARRIÈRE
STANDARD VERSION WITH 2 AFT CABINS



AMEL 55

VERSION Grande cabine arrière (en option)
OPTIONAL LAYOUT : Large aft cabin