

Hallberg-Rassy 50

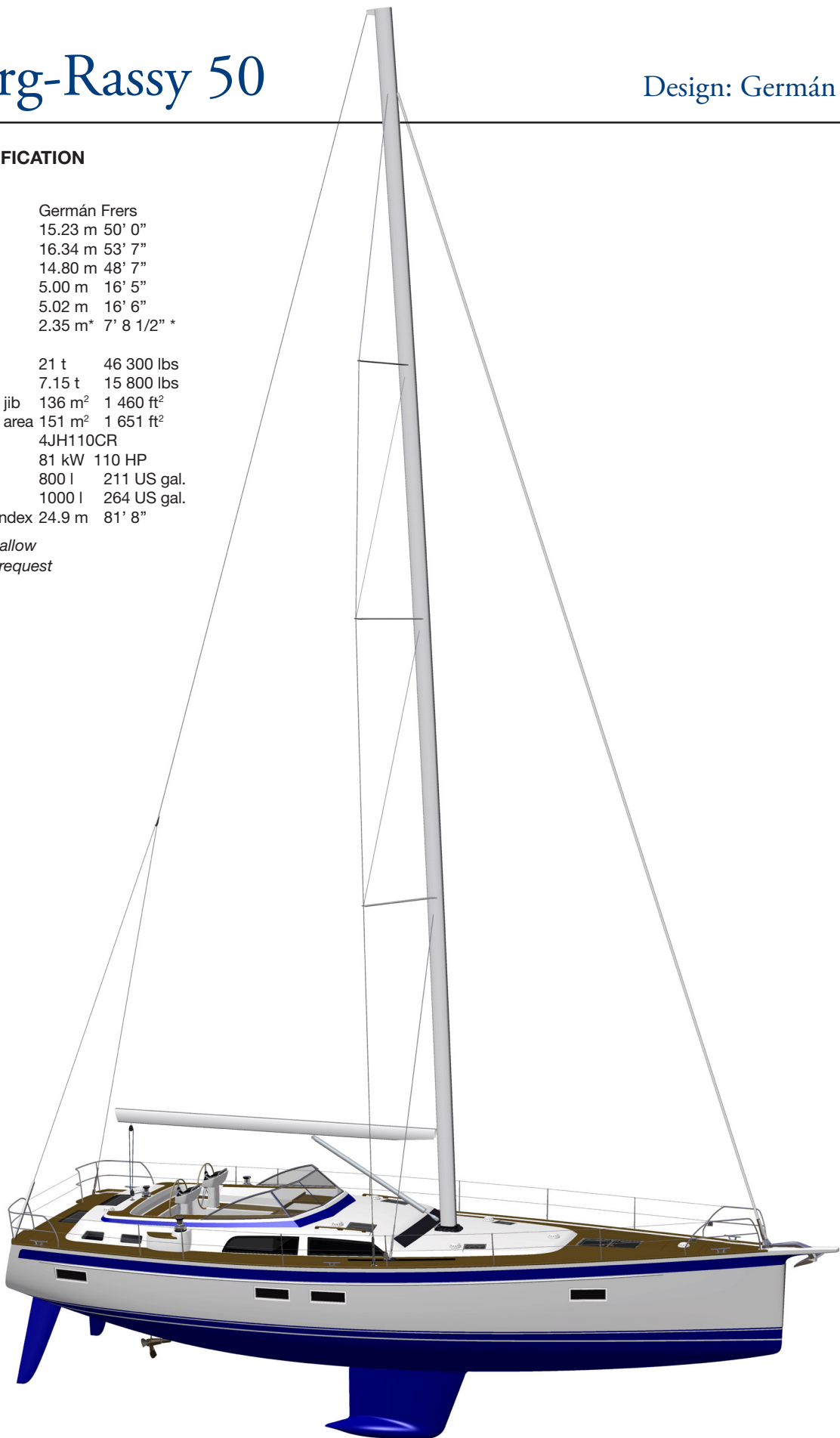
Design: Germán Frers

STANDARD SPECIFICATION

Main datas:

Designer	Germán Frers	
Hull length	15.23 m 50' 0"	
Maximum length	16.34 m 53' 7"	
Waterline at rest	14.80 m 48' 7"	
Beam, without rubrail	5.00 m	16' 5"
Beam, with rubrail	5.02 m	16' 6"
Draft, empty load	2.35 m* 7' 8 1/2" *	
Displacement, empty standard boat	21 t	46 300 lbs
Lead keel	7.15 t	15 800 lbs
Sail area with working jib	136 m ²	1 460 ft ²
Optional optimized sail area	151 m ²	1 651 ft ²
Engine, Yanmar	4JH110CR	
Power at crank shaft	81 kW	110 HP
Fresh water, appx.	800 l	211 US gal.
Diesel, appx.	1000 l	264 US gal.
Mast over water, ex Windex	24.9 m	81' 8"

**Also available as a shallow draught version upon request*



Hallberg-Rassy 50 Standard Specification

Hull and Deck

Hand lay-up GRP hull, insulated with Divinycell closed cell PVC-foam against heat and cold, except in the keel area and high load areas which has solid laminate. Integrated rubbing strake with stainless strip. White hull with blue decorative band in gelcoat. Isophthalic gelcoat and a protective vinylester based barrier coat between the gelcoat and the GRP. Strong under floor reinforcements. Steel beam molded into the hull stiffener under the mast support for additional reinforcement. Reinforced lead keel with bulb bolted on with stainless steel bolts. The rudders are carefully mounted with self-aligning spherical bearings for sensitive rudder feel. An emergency steering is supplied. Strong engine foundations of GRP for effective sound insulation. Deck and coach roof areas and also cockpit are of sandwich construction, solid in parts, laminated to the hull. Eight hull portlights.

Deck and deck fittings

Deck, toerail, cockpit seats, cockpit floor and cockpit coamings in top quality teak. Teak hand rails. Strong stemhead fitting. Integrated anchor roller in bow sprit. Electric windlass. Ultra anchor 35 kg. Chain 70 m, 12 mm. Cockpit locker. Six strong stainless cleats forward, midships and aft. Double stainless guardrails. Opening gates port and starboard. Two scuppers on each side which drain rain water overboard just under waterline to prevent staining the hull. Headsail tracks with blocks. Headsail car adjustable with lines from the cockpit. Electric selftailing genoa sheet winches, Lewmar 65 Evo chrome electric, one electric main sheet winch Lewmar 50 Evo chrome electric. Hatches in foredeck, forward toilet compartment, starboard cabin, saloon and in aft cabin. Many port holes, 9 of these are opening. Pulpit and pushpit have opening for easy access on board. Stowage in two aft deck lazarette lockers. Cockpit locker, big deck storage between v cabin and the anchor locker. Fold-out bathing platform in transom with bathing ladder.

Cockpit

On starboard side there is a dry stowage locker. The lid has a gas spring. The cockpit floor is covered with a teak grating. Twin wheels steering with single lever engine control. The wheels are leather covered. Removable teak cockpit table. Panel for engine instruments in a steering pedestal within easy reach of helmsman. Two large cockpit drains. Strong windscreen, tempered glass with opening center section and sprayhood over front part of cockpit. The sprayhood can be rolled away neatly into a protective cover. On either side of sliding hatch there are useful teak covered work surfaces. These work tables and the washboards are high gloss varnished (on request the work tables available as natural teak). Above the sliding hatch Raymarine instruments; one i50 Speed, one i50 Depth and i60 Wind.

Mast and rigging

Triple swept back spreaders rig, Seldén Furlin, electric in-mast furling. Main boom with outhaul. Jib furling and reefing system Seldén Furlex TD electric with under deck drum. Rigid vang with spring. Mechanic backstay tensioner. Selftailing winch for main and jib halyard. Several cleats for various uses. Generous dimensions of standing and running rigging avoid fatigue during unrestricted ocean sailing. Windex wind indicator and led anchor light on mast top.

Sails

Mainsail and furling genoajib in HydraNet in special Offshore quality by Elvström Sails, Denmark. Coded sail bags.

Accommodation details

One level sole throughout the boat. As standard the boat

has the galley to starboard, two saloon sofas and two separate aft cabin berths. There are many options for the interior. As options at additional cost, there are two armchairs available in the saloon, a centre line settee in the saloon and a queen size centre berth in the aft cabin with a seat on each side and a Ladies Table. There is a linear galley to port available. All these options are subject to additional costs. You may combine the different interior versions. All interior woodwork in light mahogany matt silk finish. Flat locker doors, invisible hinges and ventilation above. Floor is varnished wood with inlaid holly strips. Saloon and aft cabin ceiling has paneling with mahogany strips and ceilings in remainder of boat have light lining. Cushions on all berths 12 cm / 5" thick and resting on unvarnished, well-ventilated boards to avoid condensation. Handholds are in all the right positions. Portholes and skylights are fitted with curtains.

Saloon

The settee offers comfortable seating. On the starboard side 2.48 m/8' 2" with the larger optional galley between the bulkheads, with the standard layout 2.20 m / 7' 3". L-sofa that has backrests with hinges so that the space behind can be utilised as storage. On port side 1.99 m 6' 6 1/2" long settee. The backrests can be lifted to reveal additional storage. Between the settees a strong table with foldable side. Bar in the table. As an option at additional cost two easy chairs can be ordered. Headroom in saloon 2.14 m / 7' 0".

Galley

U shaped, placed to starboard. Working surface in Corian composite stone with strong, all round wooden fiddle rail, which is milled so it can be used as a handhold as well. Two carefully insulated boxes with baskets, one top opening box for fridge and one top loaded for freezer. The latter may be switched over to fridge using the same compressor. Fridge and Freezer compressors are sea water cooled. Extra deep, double sink. Force 10 electric cooker with oven, well gimballed and locking device for oven door and also for the cooker when in use in the marina. Safety switch on gas pipe. Crockery locker and cutlery drawer. Bread board. Room for saucepans and other kitchen utensils. There are special places for the waste bin and other items.

Forward Heads Compartment

Bulkheads and lockers in white formica. Teak grating, Corian composite stone wash basin and composite stone countertops. There is a large mirror. Separate shower with watertight shower stall, plexi glass doors. Shower water drained by pump directly overboard without going into bilges. Hand switch for shower pump for utmost safety. Strong, reliable pump action toilet. Appx 82 litres/22 US gallon holding tank, emptied by gravity or by deck pump out. Cupboard above and below washbasin. Ventilation through opening hatch and automatic vent.

Forward Cabin

The door to the forward cabin has been arranged in such a way to allow free movement for dressing and undressing. Two 2.03 m/6' 8" long separate berths with ample stowage above and below and in addition two hanging lockers. Headroom 1.93 m/6' 4" Two large deck hatches for light, ventilation and access for sails. Automatic vent on fore deck.

Starboard side cabin

On starboard a wide bunk sleeping cabin, berth length 2.01 m/6' 7". There is a mirror, a vanity and hanging locker.

Work Table and Walkthrough

A comfortable work table seat with spacious table to port. Drawers and stowage slots. Wet locker. There is a larger rubber sealed door access to the walk-in engine room off the walkthrough. Good headroom 2.01 m / 6'

7" in the walkthrough thanks to use of cockpit coaming for headroom.

Aft Cabin

Aft cabin has two hanging lockers and two comfortable berths, 2.02 m / 6' 8" long. Stowage room below and above. There is a mirror fitted. Seat between the berths. As an option at additional cost one big double centre bed and a seat on each side, with Ladies Table, may be ordered.

Aft Heads

Bulkheads and lockers in white formica. Teak grating, composite stone wash basin, Corian composite stone countertops and two large mirrors. Separate shower with watertight shower stall, plexi glass doors. Shower water drained by pump directly overboard without going into bilges. Hand switch for shower pump for utmost safety. Strong, reliable pump action toilet. Appx 130 litres/34 US gallon holding tank, emptied by gravity or by deck pump out. Cupboard above and below washbasin. Ventilation through opening porthole.

Engine and Engine Room

Walk-in engine room. The sound insulation is covered by perforated aluminium linings. Engine: Yanmar 4JH110CR, 81 kW/110 HP at crank shaft. Maximum torque 275 Nm. The engine has common rail fuel injection, double over-head camshafts and four valves per cylinder. Mounted with four rubber feet on strong foundations to avoid vibration and noise. Fixed three bladed propeller. Water-cooled rubber exhaust pipe. Freshwater cooled engine. Aqua Drive flexible link for a quiet and smooth engine. The engine start is served by a separate 12 V battery. There is a large filter for cooling water. The bilge pump has been installed in a position where it can be cleaned even in extremely bad weather conditions. There is a sump pump in the engine room in order to empty water or dirt from the fuel tank. The hot freshwater circuit is led into a 50 litres well insulated hot water tank in the aft cabin. Due to the good insulation water remains hot for many hours after the engine has been run.

Bow thruster

Sleipner SidePower retractable bow thruster, 210 kg thrust at 24 volts. Model name SRV170/250TC.

Diesel

Approximately 1 000 litres / 264 US gallon in three tanks, with fuel gauge. The tanks are filled through deck inlets. Between tanks and engine there is a further large water and coarse filter in addition to the one on the engine.

Fresh Water

Water capacity is approximately 800 litres / 211 US gallon. There is a water gauge for each tank. The water goes to a pump and then on to a pressure equalising tank, and from there via a manifold is distributed to a 50 litres/13 US gallon hot water calorifier (heated by 230 V and the engine's cooling water) and the cold water system. As soon as a water tap is turned on the water which is under pressure in the pipes starts to flow. As soon as the pressure reduces the electric pump begins to work and will continue until the pressure is built up again after closing tap. Filling of water tanks is through deck inlet. There is a carbon filter for the fresh water system. There are three bilge pumps; one manual, one electric and one high capacity electric emergency bilge pump that is floodable. The emergency pump is operable from the cockpit.

Electricity

Generator Fischer Panda 15000i 12 kW (25i 20 kW option at additional cost) 230 v 50 Hz in sound shield. 230 v shore power with outlets in each cabin. Mastervolt Combi Pro 24 V / 230 V 3500 W 100 A with Masterview and shunt. Three separate circuits; one with 12 Volt and 95 Ah battery for engine and generator start, and

one 24 Volt 230 Ah deepcycle for general 24 V use on board, covered by four 6 V 230 Ah deepcycle batteries. One 12 Volt 230 Ah deepcycle for general 12 V use on board, covered by two 6 V 230 Ah deepcycle batteries. Charging of batteries is by one 125 A 12 V and one 60 A 24 V alternator from the engine. Lighting throughout the boat is located in all the important positions. There are adjustable lights above berths and settee. Electric sockets at inner chart table and in the cockpit. There is a water and diesel meter. International led navigation lights, led steaming light and led anchor light. A wiring diagram is supplied with each boat.

Refrigeration

Two water cooled Isotherm SP systems with 24 V Danfoss compressor units, one for refrigeration and one for freezer. Both are very economical to run. The freezer has a double thermostat, enabling to use the freezer as fridge if required.

Ventilation

8 hatches, 9 opening port holes, companionway washboards, 8 vents; in forward cabin, forwards heads compartment, in the starboard cabin, two in the saloon, two in the aft cabin and one over the big forward deck locker. Separate electric engine room ventilation.

Steering

Twin Jefa wheel steering. Cardan linked rod steering with progressive purchase combines safety and fine feel in the best possible way. Illuminated compass. Leather covered steering wheels.

Safety and General

All outside skin fittings are speedily and securely sealed by using ballvalves with Delrin-sealer. Double hose clips are used under water. For the toilet special non-diffusing hoses are used. All electric cables are, where possible, laid in special channels and where this is not possible, cables are safely loomed away from the hull. There are large limber holes so that any water can easily drain to the bilge. The bilge is accessible by a removable floor panel without having to remove the steps. Inspection hatches for easy access to stop cocks and speed transducer. Four fire extinguishers, one fitted to the saloon table, one in the forward cabin, one in the aft cabin and one in the cockpit locker.

Type of Finish

The interior is treated with many coats of silk finish varnish. The underwater hull has two applications of epoxy primer and two coats of antifouling.

Certification

The boat is CE certified by DNV-GL (Det Norske Veritas-Germanischer Lloyd) and delivered with a CE certificate and a CE plaque for category A (unlimited ocean voyages).

Loose Equipment

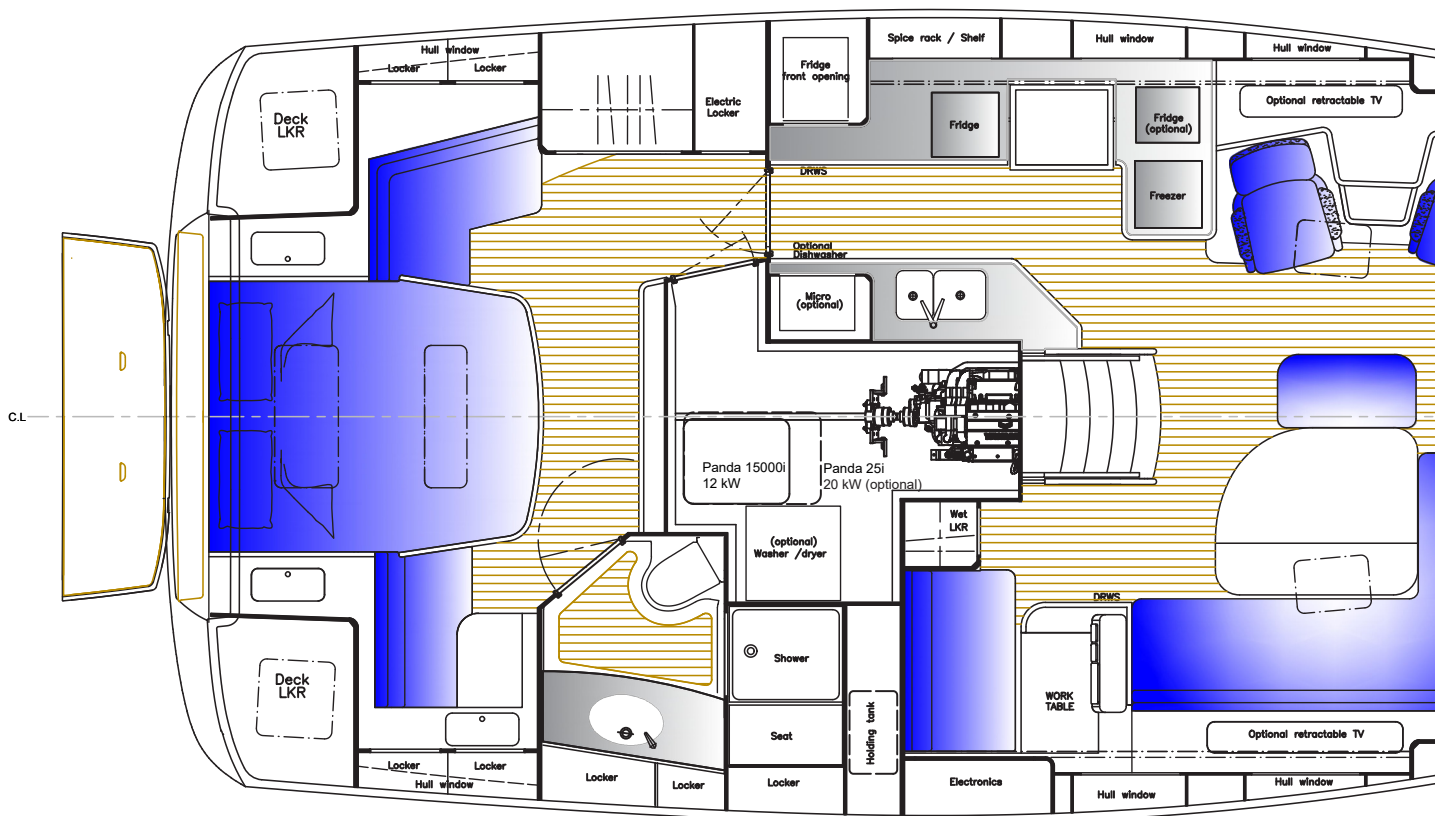
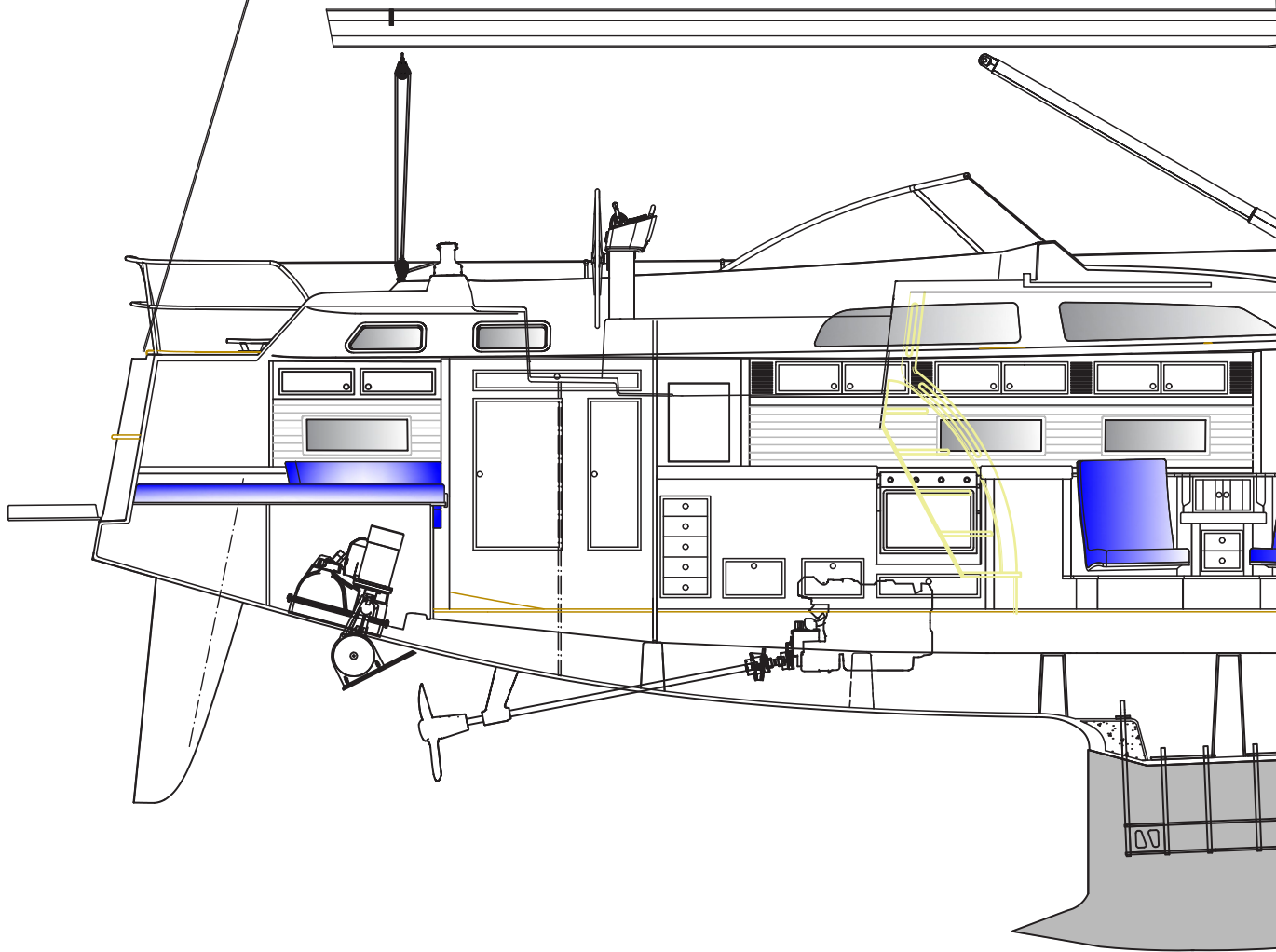
- Flagstaff
- Boat hook
- 4 Fenders 10 x 25
- 4 Mooring lines 10 m / 33'
- Emergency steering
- One winch handle

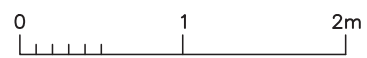
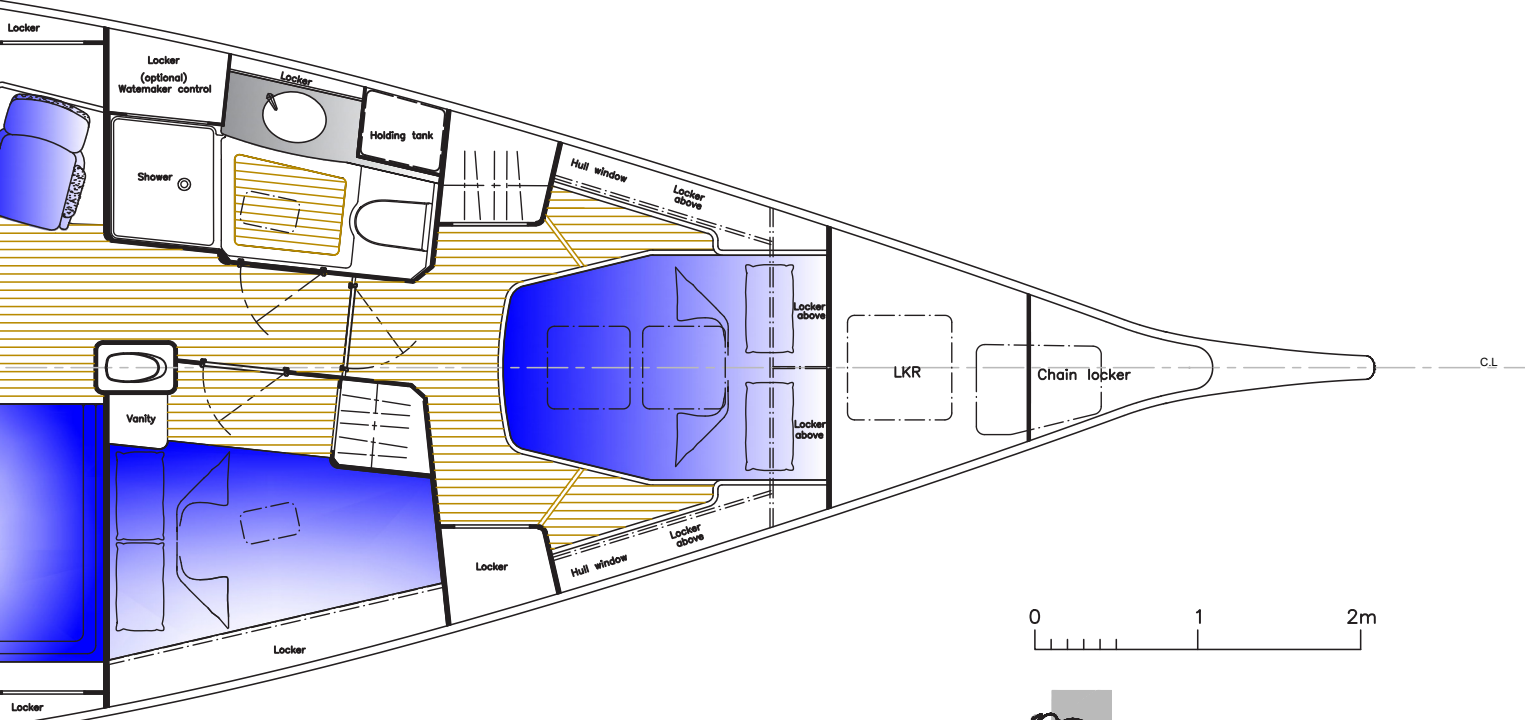
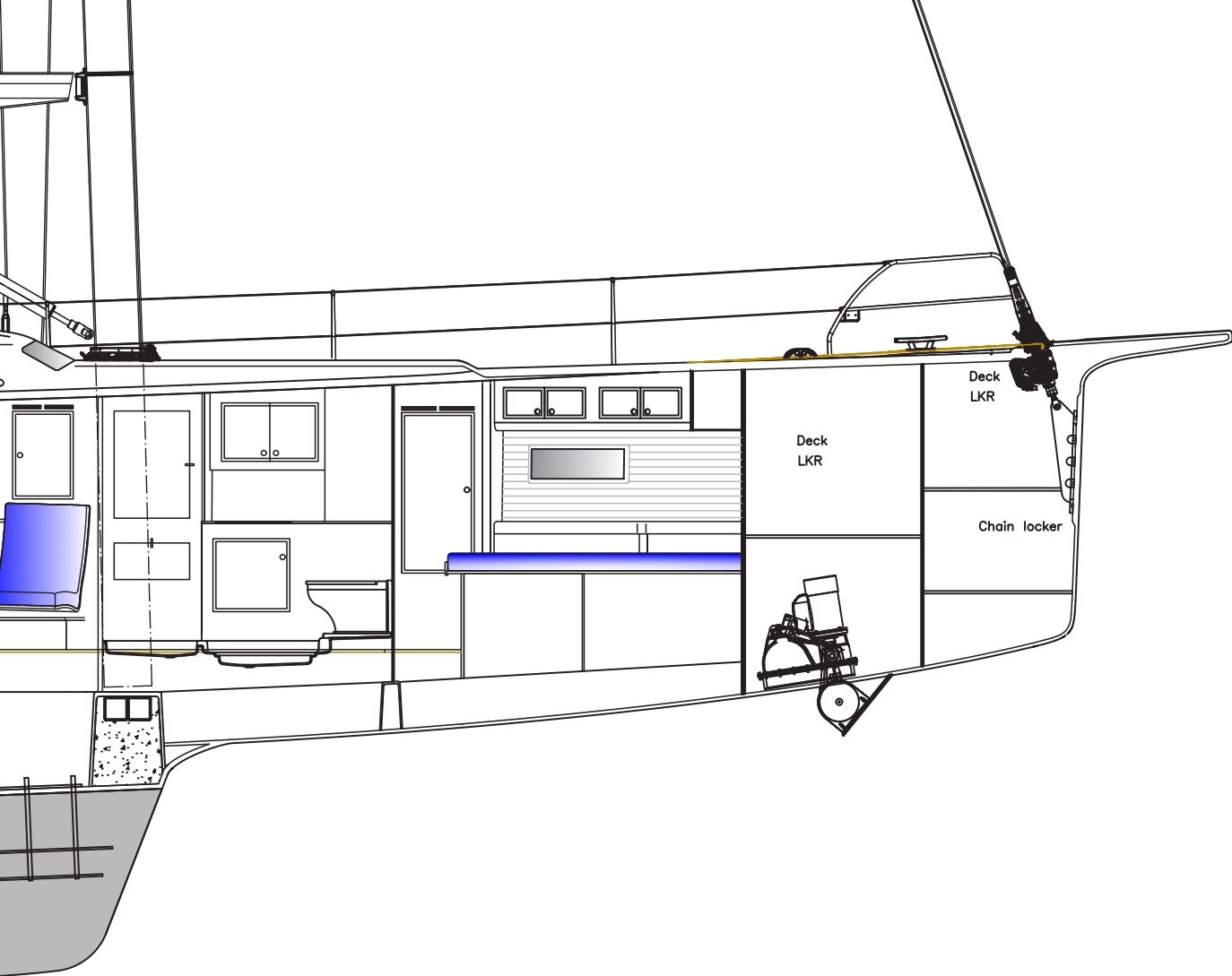
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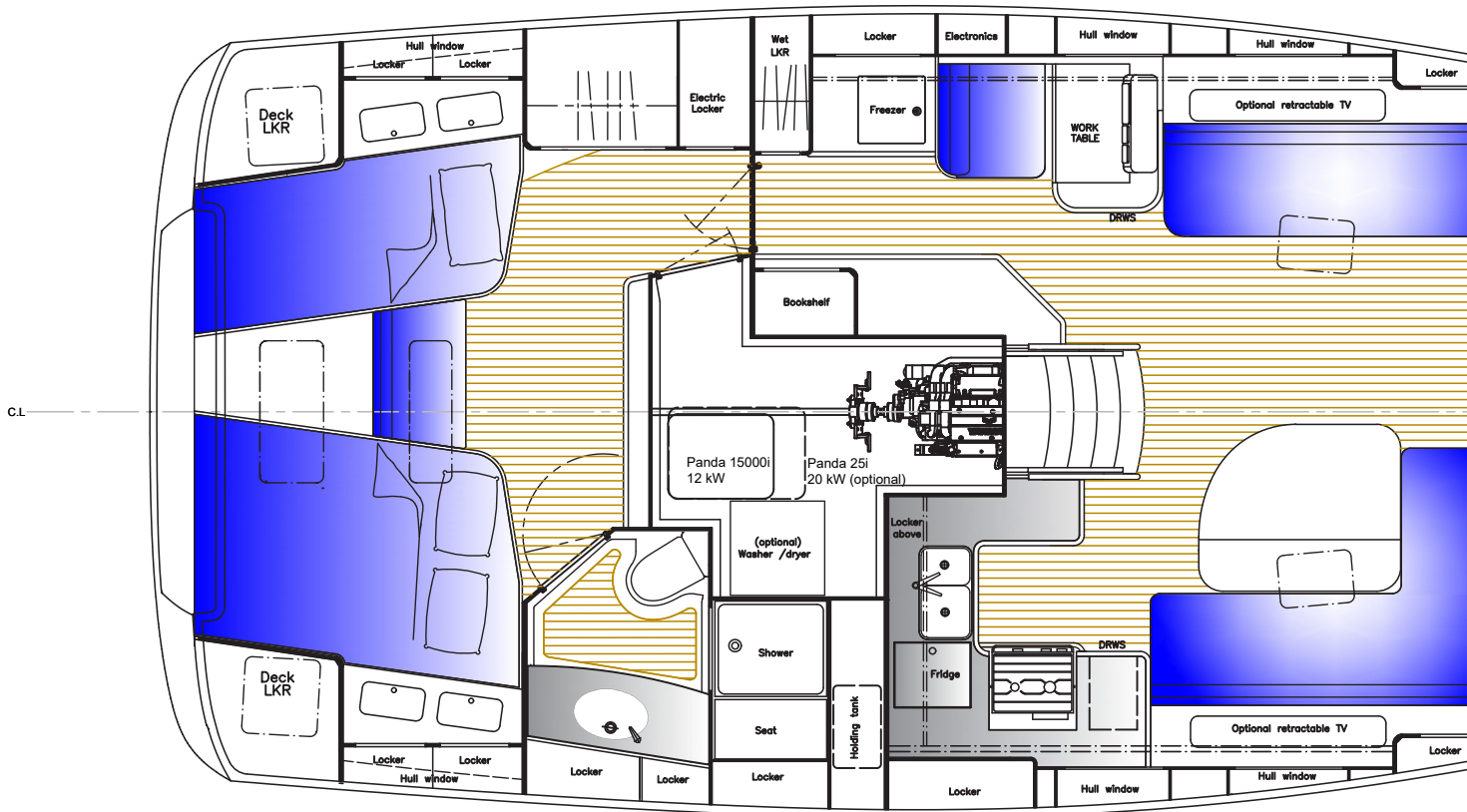
Chosen extra equipment may affect this standard specification.

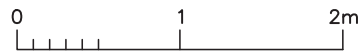
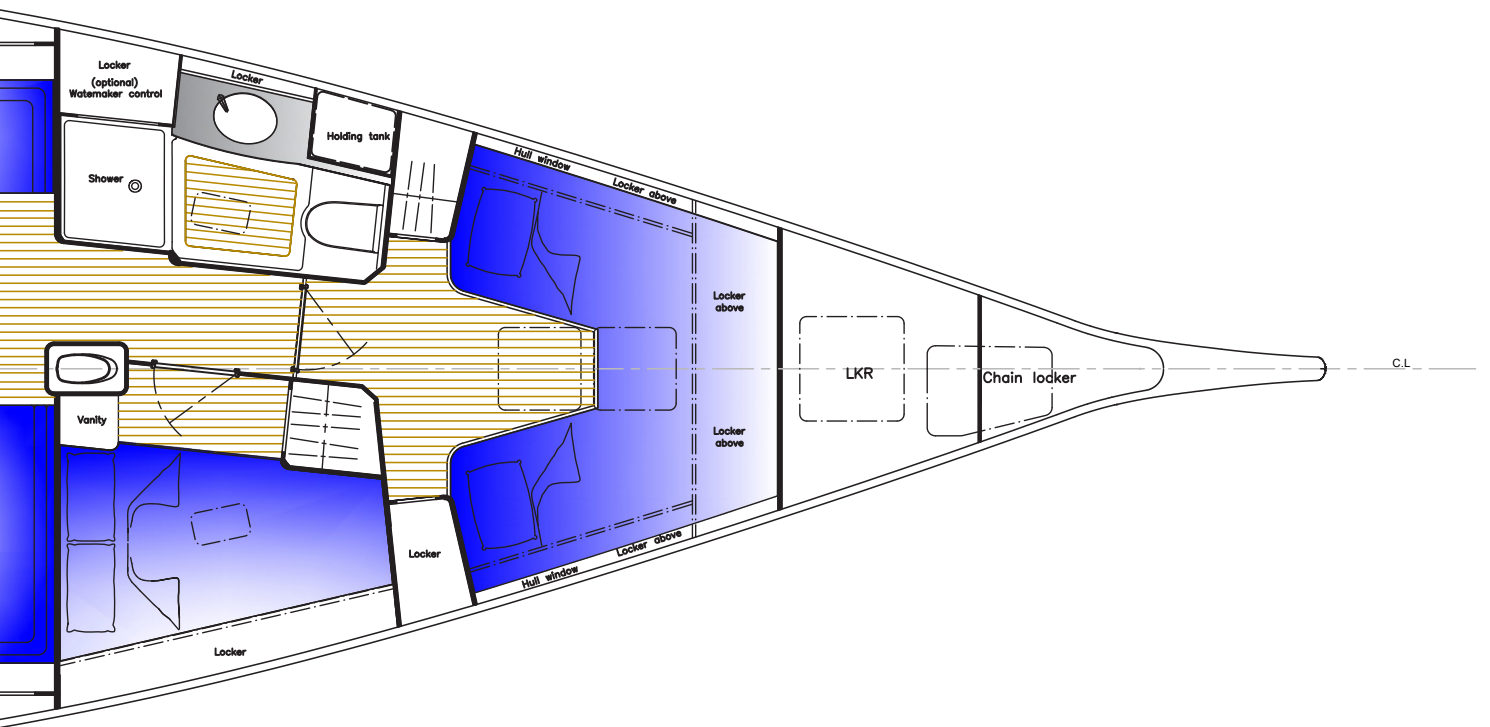
Drawings are for orientation only. Measurements are not to be taken from these drawings.

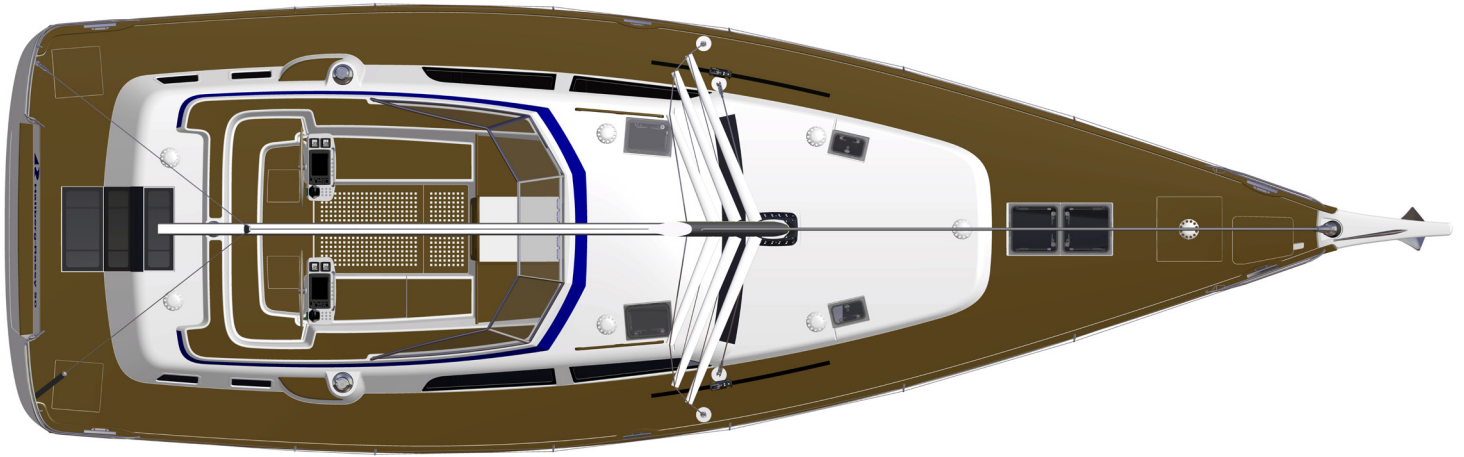
Drawings and photos do show optional equipment.











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