

Welcome aboard. This guide covers everything you need to get started safely.

THE BOAT

TYPE

Hanse 460 sailing yacht

LAYOUT

3-cabin: master fwd (island berth), VIP port aft, guest stb aft

DECKS

Teak throughout — side decks, coach roof, cockpit, bathing platform

HOME PORT

Trogir Marina, Croatia

CERTIFICATION

CE Cat A (12 persons)

SELF-DRAINING COCKPIT

Yes — seacocks fitted on all through-hulls

ENGINE & FUEL

TANK CAPACITY	CONSUMPTION AT 5 KN	RANGE AT 5 KN	RESERVE RULE
~210 litres diesel	~1.5 L / hour	~140 hours (~700 nm)	Never go below 30 L

ENGINE

Yanmar diesel ~57 hp, saildrive — digital electronic throttle at both helm stations. Max 2300 rpm.

STARTING

Push-button start. Power on and wait for the Yanmar instrument panel to fully power up before starting. Check oil level before long passages.

BOWTHRUSTER

Use in short 6-second bursts only. Continuous use will overheat and trip the thruster — let it cool before trying again.

FUELLING

Fuel deck fill is on the starboard side deck. Diesel only — fill slowly to avoid spills.

ENGINE COOLING

Check raw-water impeller annually. If overheating alarm sounds, stop engine immediately.

FRESH WATER

TANK CAPACITY

~450 litres — one main tank, electric pump, 40 L hot water boiler (heated by engine)

FILLING

Water fill on deck (port side). Use marina supply only — label may say "WATER" or "EAU".

HOT WATER

Run engine for 20–30 min to heat. Shore power also heats if Mastervolt inverter/charger is on.

CONSERVATION

At anchor, a full tank lasts 3–5 days for 4 people. Turn pump off at the panel when not in use.

NAVIGATION & INSTRUMENTS

CHARTPLOTTER

B&G; Zeus3S (at helm) — charts, AIS targets, depth.

AUTOPILOT

B&G; NAC — engage via Triton2 display or Zeus3S. Always have a crew watch.

AIS

EM-Trak B951 transponder — transmitting. Vessels will see Whistler on their screens.

VHF RADIO

B&G; V60 — Channel 16 always open at sea. Trogir port: Ch 17.

NIGHT / FOG

No radar fitted. Use AIS, chartplotter, and a dedicated watch in poor visibility.

DISPLAYS

Triton2 instruments show speed, depth, wind. Check depth at anchor.

ELECTRICAL & BATTERIES

SHORE POWER

230V inlet on transom. Connect shore power cord before switching on at main panel.

BATTERY MONITOR

Simarine SCP220H panel (or Zeus3S) shows battery state. Keep above 50% if possible.

INVERTER / CHARGER

Mastervolt Combimaster — charges batteries from shore power, provides 230V at anchor.

12V / 230V PANELS

Main switch panel at nav station. Label each circuit before switching unknown breakers.

ANCHORING & MOORING

DRAFT	Keel and rudder both draw 2.4 m. Always confirm quay depth before mooring stern-to — ask the marina or check the chart. Tides in Croatia range ~60 cm (more further north), so factor this in at low water.
WINDLASS	Quick DP3 electric (1500W) — operated by remote control handset. Chain counter is in the anchor locker. Do not run continuously; let it cool between uses.
SCOPE	In clear conditions 5:1 chain-to-depth. In strong wind 7:1 or more.
MOORING CLEATS	6 x 300 mm cleats. Spring lines recommended in a marina when wind is across the berth.
BATHING PLATFORM DOOR	Rocker switch on transom. Press forward — door goes up. Press backward — door goes down.

TOILETS & BLACK WATER

TOILETS	Jabsco macerator add-on (37010 series) — electric flush. Hold button to flush, allow the macerator to fully clear before releasing.
WHAT GOES IN	Nothing at all except human waste. No toilet paper — it will block the macerator. Use the bin provided. No wipes, no cotton.
BLACK WATER TANKS	~85 L per head. Pump out at marina (deck fitting) or open seacock offshore (check local rules).

NAVIGATION LIGHTS (SUNSET TO SUNRISE / POOR VISIBILITY)

SITUATION	LIGHTS REQUIRED	NOTES
Under sail (engine off)	Red (port) + Green (stbd) + White (stern) — or masthead tricolour	Tricolour is more visible and lower draw. Use it offshore.
Under motor or motor-sailing	Steaming light (white, fwd 225°) + Red + Green + White stern	Switch tricolour OFF. You are legally a power vessel — give way to
At anchor	All-round white anchor light (360°)	Use masthead anchor light. Always on in busy anchorages.

Key rule: Never use the tricolour and steaming light together. If motor-sailing, hoist the black cone by day and use steaming light at night — you must give way to sailing vessels. Croatian authorities do enforce lights in busy summer anchorages.

SAFETY ESSENTIALS

BILGE PUMPS	LIFEJACKETS	MAYDAY	FIRE
Manual (cockpit) + electric (auto). Check bilge regularly for leaks. After use, check for oil.	Check bilge regularly for leaks. After use, check for oil.	HF Ch 16.7 MAYDAY MAYDAY MAYDAY	EDM Quis. This is galley (position) engine (rate) of dises