










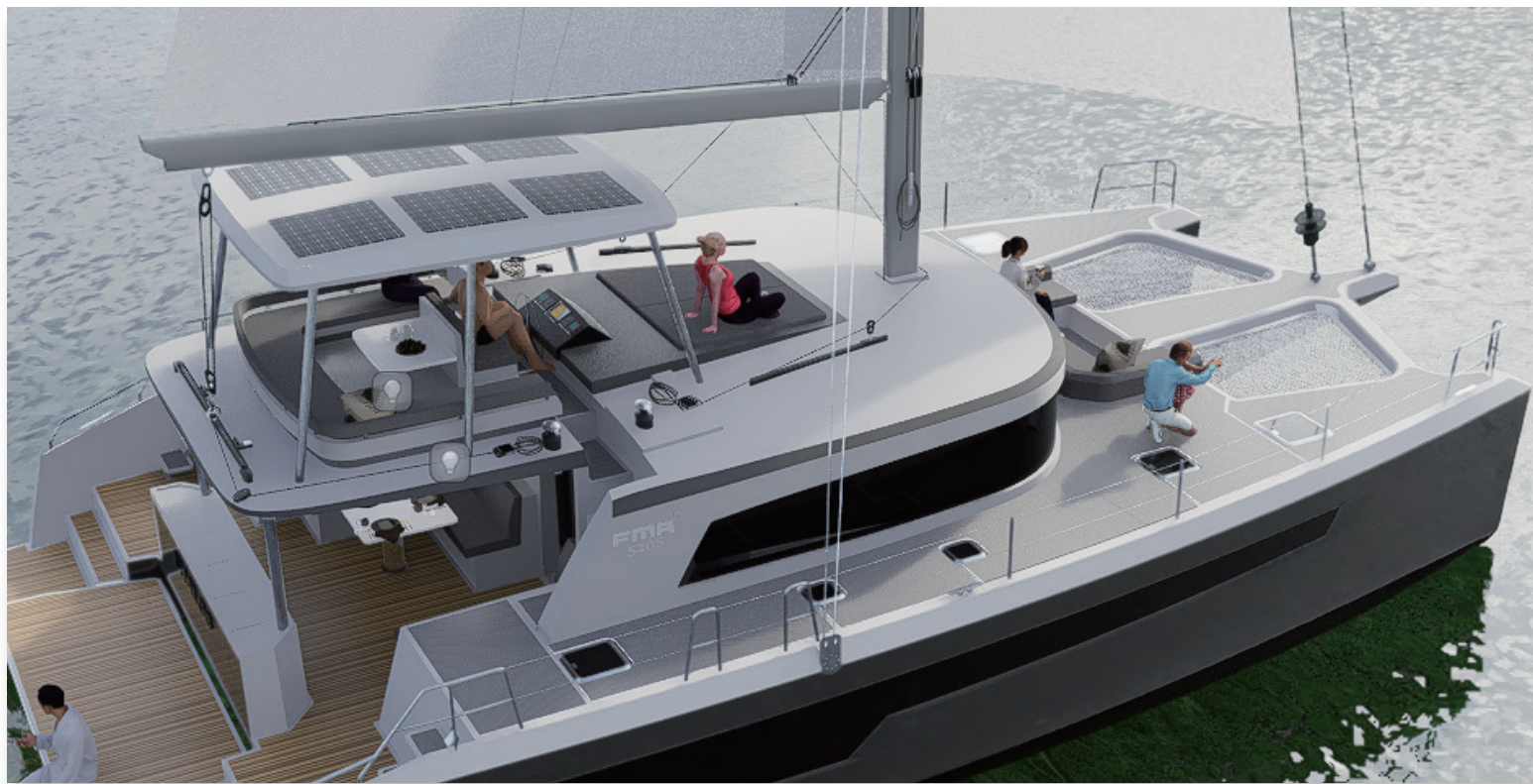


FMA520S Catamaran Specifications

	LENGTH OVER ALL	15.65M	51.34FT
	BEAM	8.20M	26.90FT
	LENGTH WATERLINE	14.17M	46.48FT
	DRAFT	0.60M	1.96FT
	LOW DRAFT	1.35M	4.43FT
	DEPTH (MLD)	2.48M	8.13FT
	HEIGHT OF MAIN SAIL	19M	62FT
	MAIN SAIL AREA	93m ²	1000SQFT
	TRIANGLE SAIL AREA	64m ²	688SQFT
	FUEL STORAGE CAPACITY	1200L	317GAL
	WATER CAPACITY	1000L	264GAL
	SEAWATER DESALINATION	1300L	343GAL
	ENGINE	2 x 57HP (Standard) / 2 x 80HP (Premium) YANMAR ENGINE	



HULL AND DECK

Standard

Premium

- FRP with vinyl ester resin infused E-Glass uni-directional, quad axial cloth and foam core

- AOC gel coat hull and deck

- Teak inlaid transom steps with FixTech caulking

- Teak inlaid cockpit sole with FixTech caulking

- Teak inlaid side deck with FixTech caulking (SCO)

- Trampolines on bow

- Foam core bulkheads and cabin soles

- Bronze thru-hull fittings

- Hull and deck laminated and bonded

- 8 portlights in hull

- Double layer laminated safety glass salon windows

- Anchor and stowage lockers forward

- There is a U-shaped sofa on the foredeck

- Engine access hatches on transoms



MAST AND RIGGING

Premium

- Anodized aluminum mast by Z-Spars or similar
- Anodized aluminum boom by Z-Spars or similar
- Internal halyards with exit ports
- Standing rigging 316 SS wire
- 316 SS chain-plate tangs for shrouds
- Mainsail slide system



SAIL HANDLING AND RUNNING RIGGING

Standard

Premium

- Complete winch package:

One (1) Antal electric chromed ST halyard/furling winch

One (1) Antal chromed ST mainsheet winch

Two (2) Antal chromed ST genoa winches

- Facnor (or similar) genoa furling system

- Antal genoa tracks and cars mounted on cabin roof

- Antal custom mainsheet traveler system

- Robline or equivalent mainsheet

- Robline or equivalent main halyard

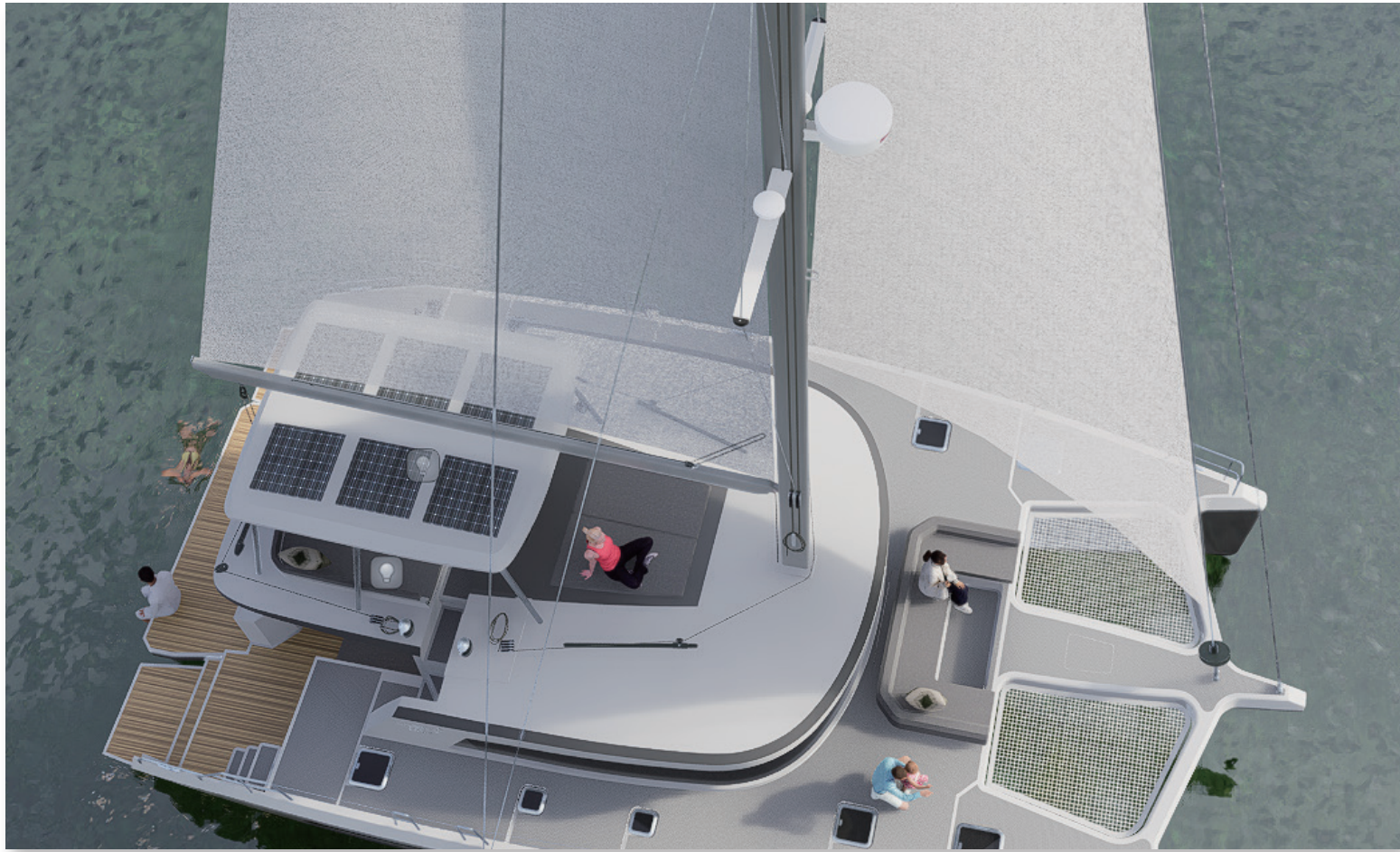
- Robline or equivalent genoa halyard

- Robline or equivalent gennaker halyard

- Robline or equivalent spare halyard

- Robline double braid or equivalent topping lift

- Robline or equivalent color coded triple reefing lines



SAILS AND CANVAS

Standard

Premium

- Fully battened mainsail with Bat-Car system
- Three (3) reef points in mainsail
- Two (2) single line mainsail reef lines led aft to cockpit
- Furling genoa controlled from cockpit
- UV leech protection on genoa
- "StacPac" sail cover made with Sunbrella fabric



DECK HARDWARE

Standard

Premium

- 10 opening deck hatches – Lewmar

- SS stanchions

- SS side boarding gates with pelican hooks

- SS transom handrails

- SS pulpits with seats

- SS boarding ladder on starboard transom

- 6 SS 12" cleats

- Two (2) SS 12" midship spring cleats

- Two (2) deck water fillers

- Deck fuel filler

- Two (2) deck waste pump outs

- 2 showers on transom

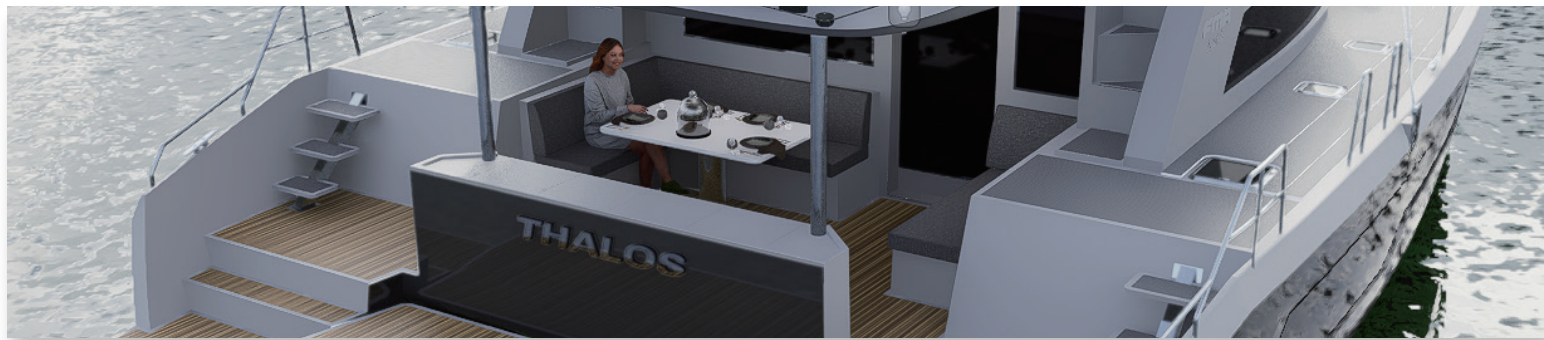
- Electric anchor windlass—Lewmar

- Anchor and 100 m (300 ft) chain

- Eight (8) fenders

- Six (6) docklines: 4 x 20 m (65.6 ft) and 2 x 25 m (82 ft)

- Seawater anchor/deck wash-down system



COCKPIT

Standard

Premium

- Large dining settee aft for 8 people
- Large dining table
- One large L settees in cockpit for 6 people
- A three-seater sofa on the stern deck
- Drink refrigerator
- Closed cell foam settee cushions upholstered in Sunbrella fabric
- Storage under seating
- Two (2) cockpit stereo speakers
- There are stairs on both sides leading to the flying bridge
- Courtesy floor lighting
- Life raft storage locker at aft end of the cockpit
- Main companionway double sliding door
- There is a lifting platform at the stern for placing motorboats
- Galley convenient to salon and cockpit
- Granite counter tops with Kohler sink
- Embedded marine refrigerator
- 2 electric stove/oven – Electrolux
- Microwave/oven-Electrolux
- FRP cabinets
- Custom storage

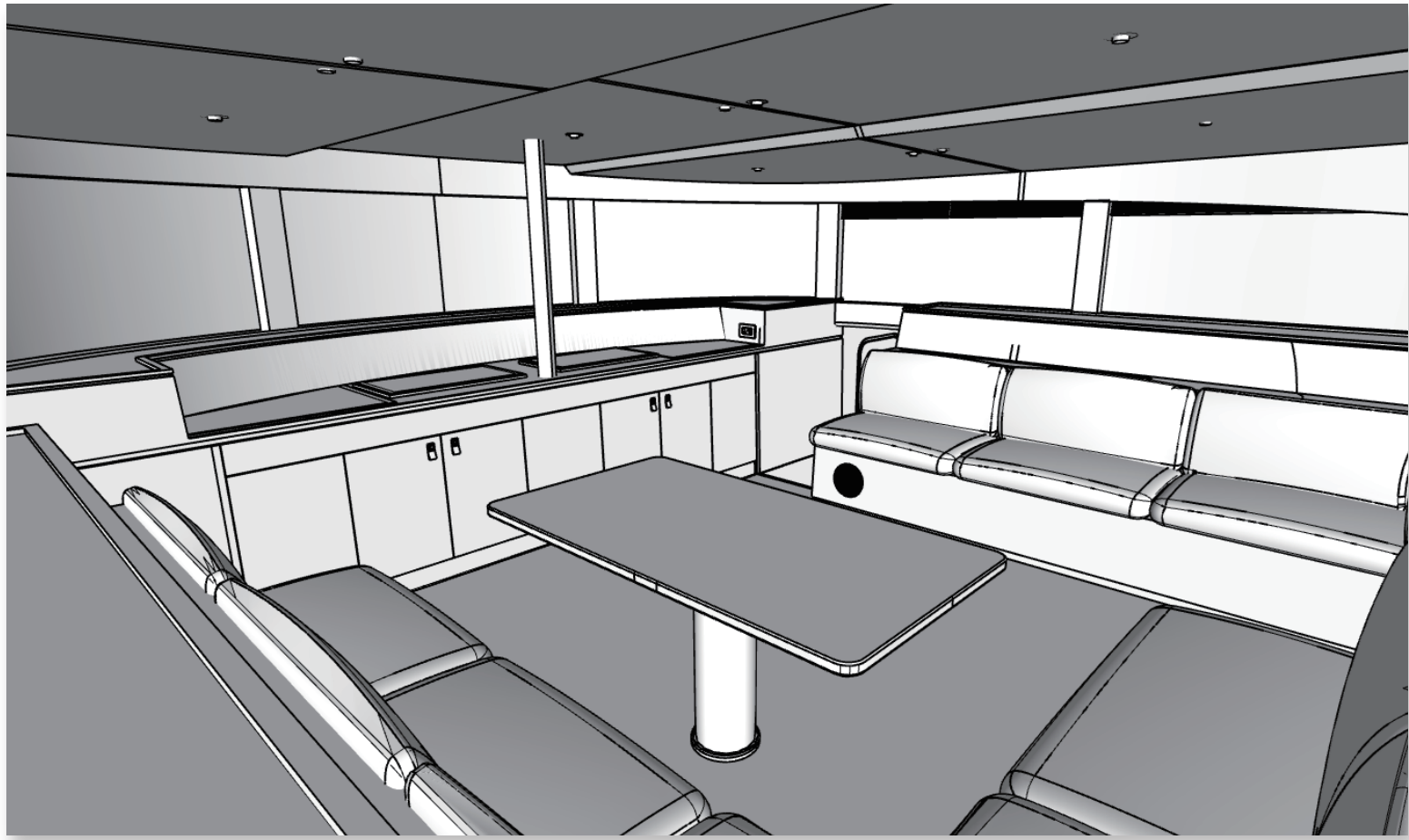


FLYBRIDGE

Standard

Premium

- Curved settees for 6 with dining table
- There is one large curved sofa, each equipped with a coffee table, capable of seating 9 people
- Sunbrella sun pad
- All seat cushions to be Sunbrella material
- Contrasting non-skid flooring
- Teak inlaid floor with FixTech caulking (SCO)
- 2 Curved stairway access from cockpit
- Stainless steel handrails/grabrails at necessary positions
- Steering pod with oversized bench seat
- Helm to have B&G OR Raymarine suite and full controls
- Two (2) marine stereo speakers linked to cockpit/salon stereo
- FRP top

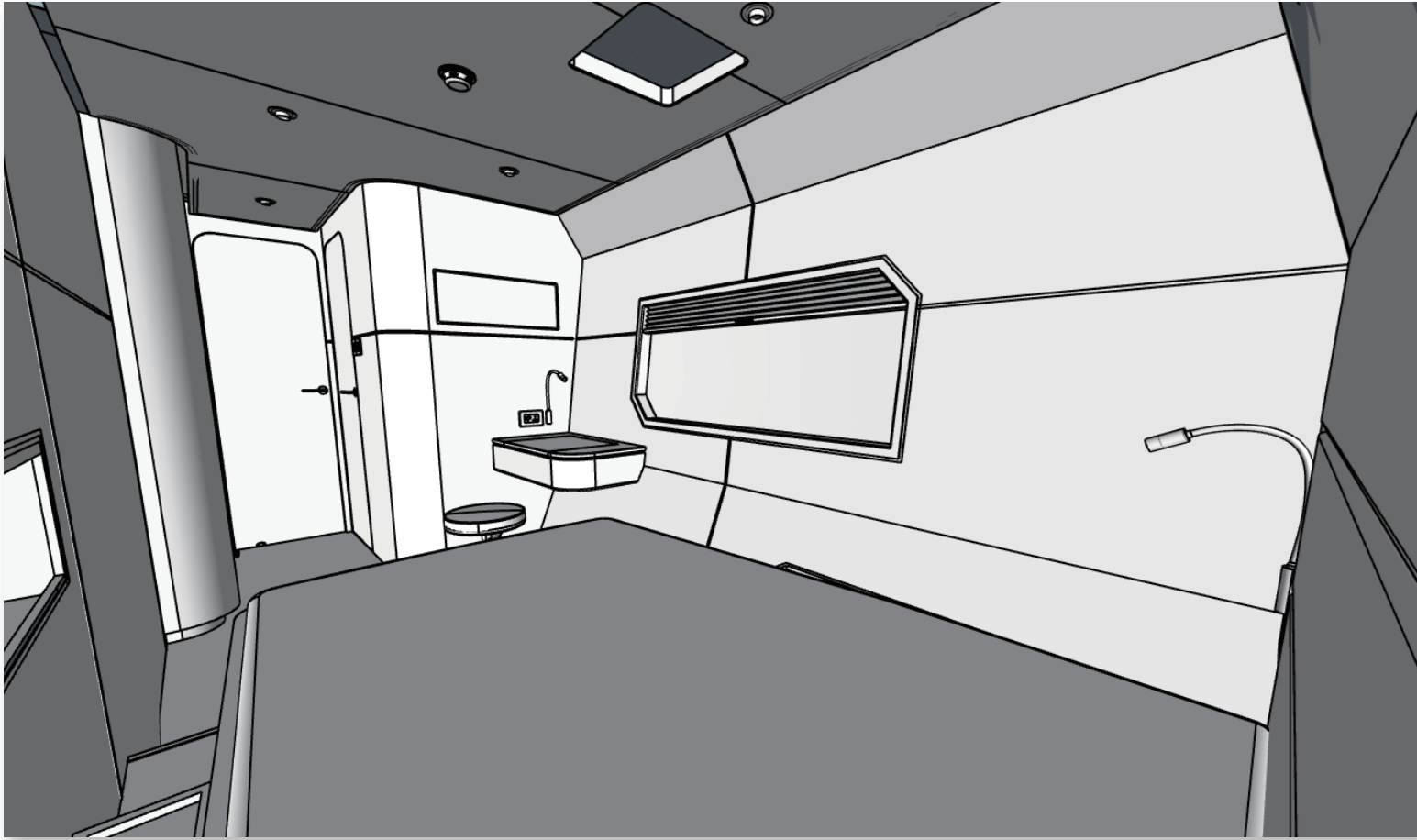


SALON

Standard

Premium

- Panoramic view through large fixed windows
- Dining settee to port
- Inlaid wood dining table
- Large L-shaped settee
- Entertainment center with LCD TV, CD player and 4 speakers
- Electrolux washer & dryer
- 2 cabin access companionways
- Leather interior upholstery
- Headliner combination wood battens, FG and vinyl
- SS accent overhead lighting
- Courtesy floor lighting
- Solid natural teak cabin sole

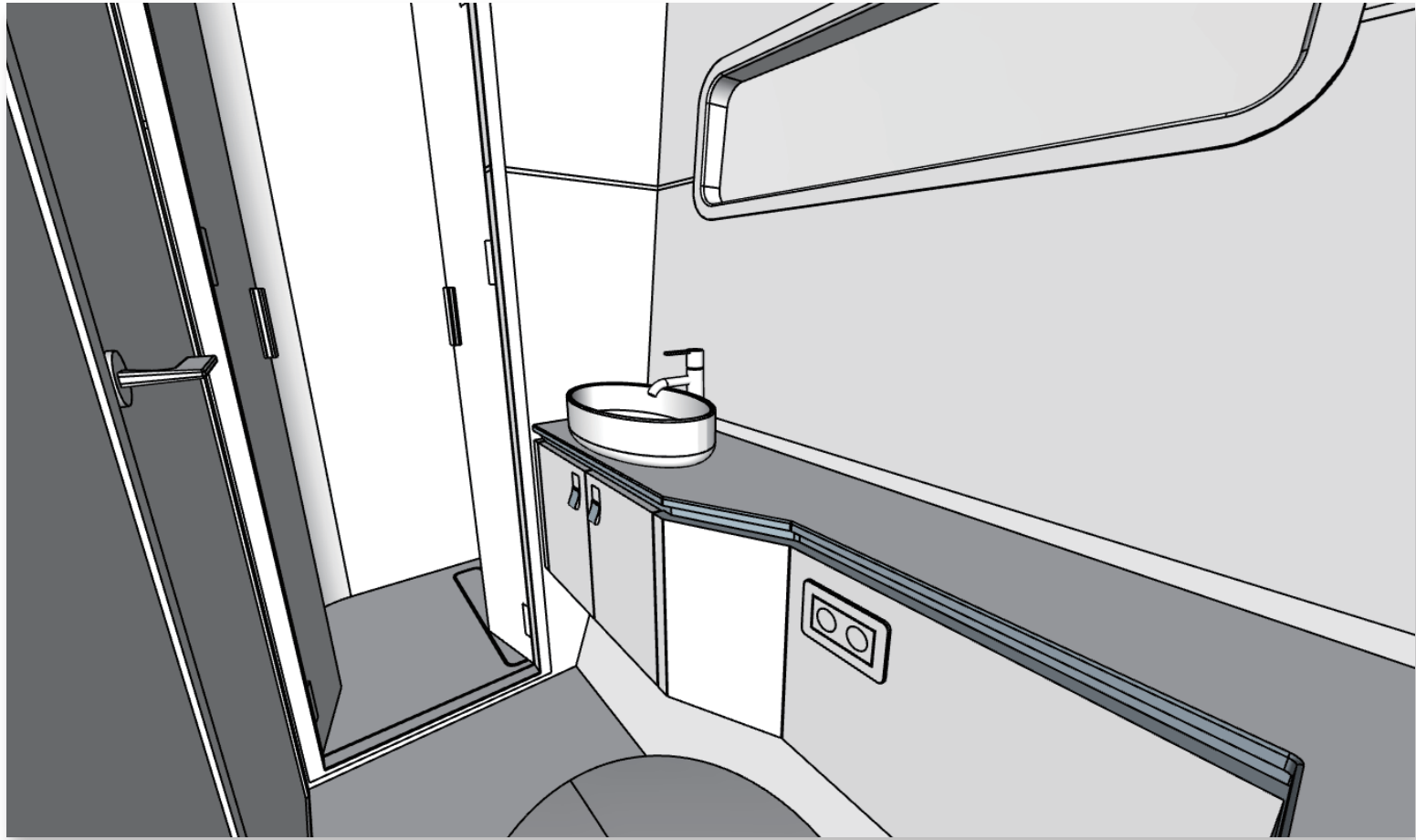


MASTER STATEROOM(Starboard Rear)

Standard

Premium

- Double berth
- Storage under berth
- Large hanging locker with shelf storage
- There is a vanity table in front of the bed
- SS overhead light fixtures
- SS reading light
- Courtesy floor nightlight
- Panoramic forward and side view through fixed windows
- Large overhead hatches with shades and screens
- Solid natural teak hardwood cabin sole

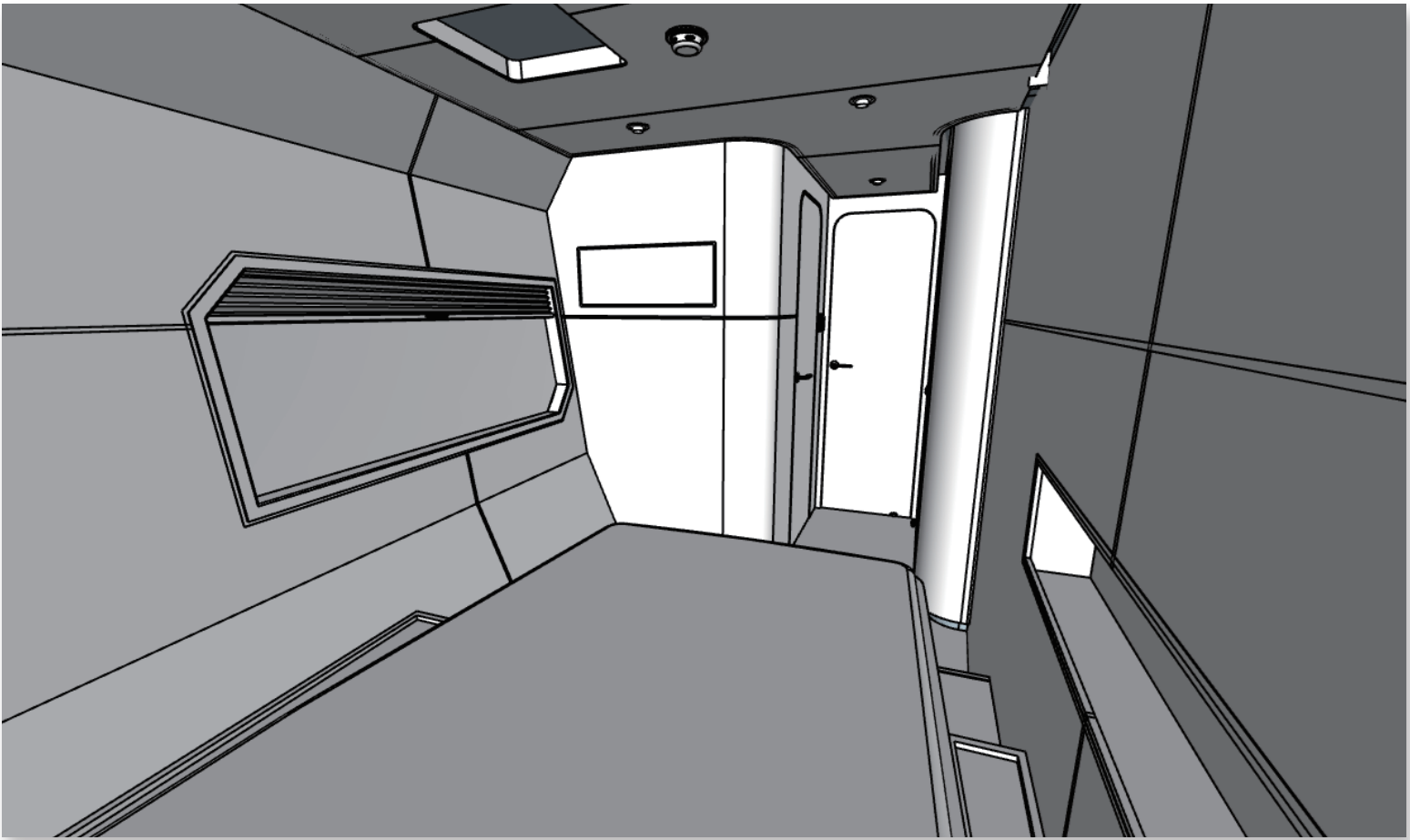


MASTER HEAD AND SHOWER

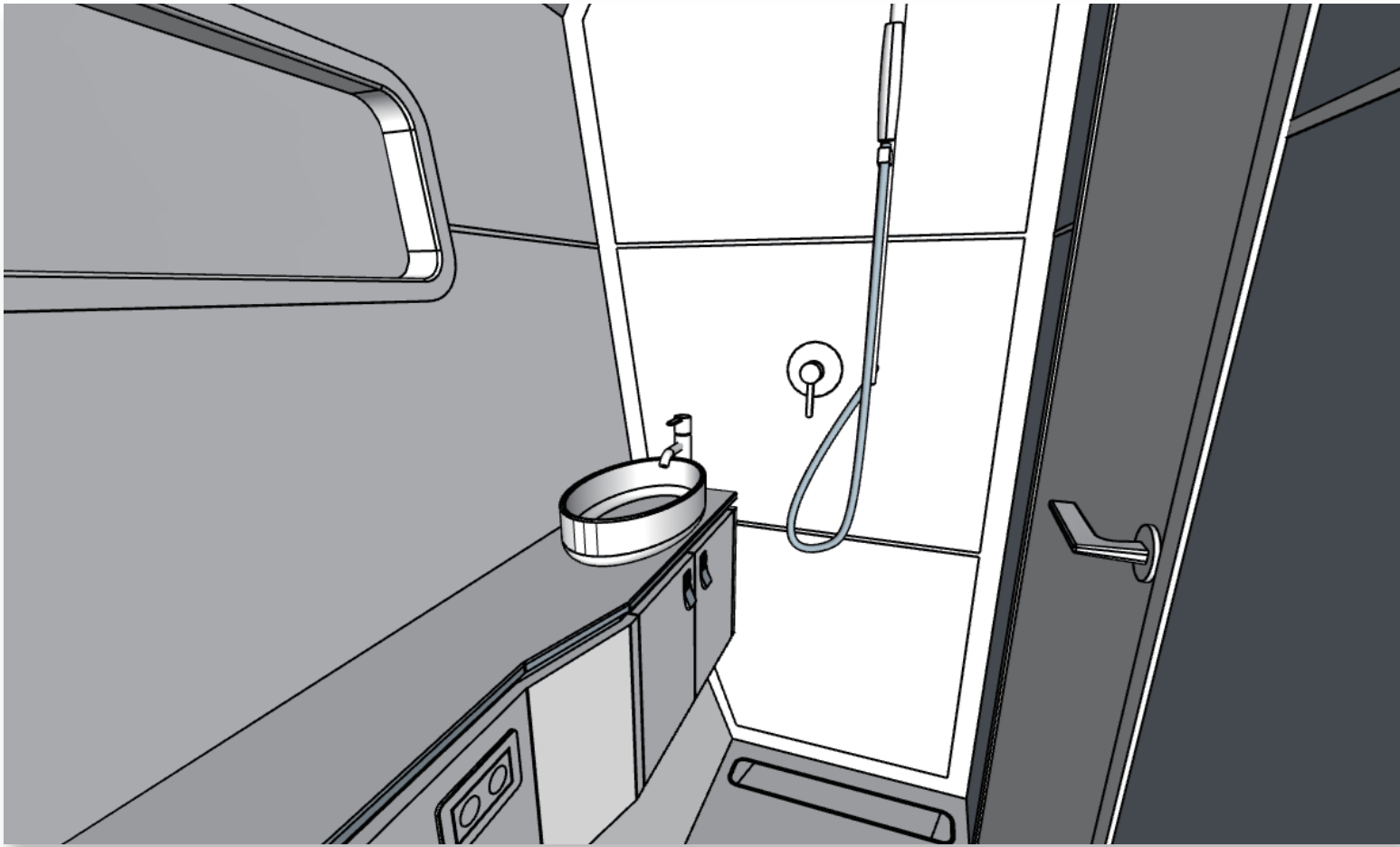
Standard

Premium

- Shower compartment FRP
- Electric flush toilet -albinus
- Granite counter top with basins
- FRP cabinet
- Mirror
- SS accent overhead LED light fixture
- Courtesy floor nightlight
- SS tissue roller
- SS towel/clothing loops and hooks
- Large overhead hatch with shade and screen



AFT STATEROOMS (Port)	Standard	Premium
● Double berth		
● Storage under berth		
● Large hanging locker with shelf storage		
● SS overhead light fixtures		
● SS reading light		
● Courtesy floor nightlight		
● Porthole		
● Large overhead hatch with shade and screen		
● Solid natural teak or hardwood cabin sole		

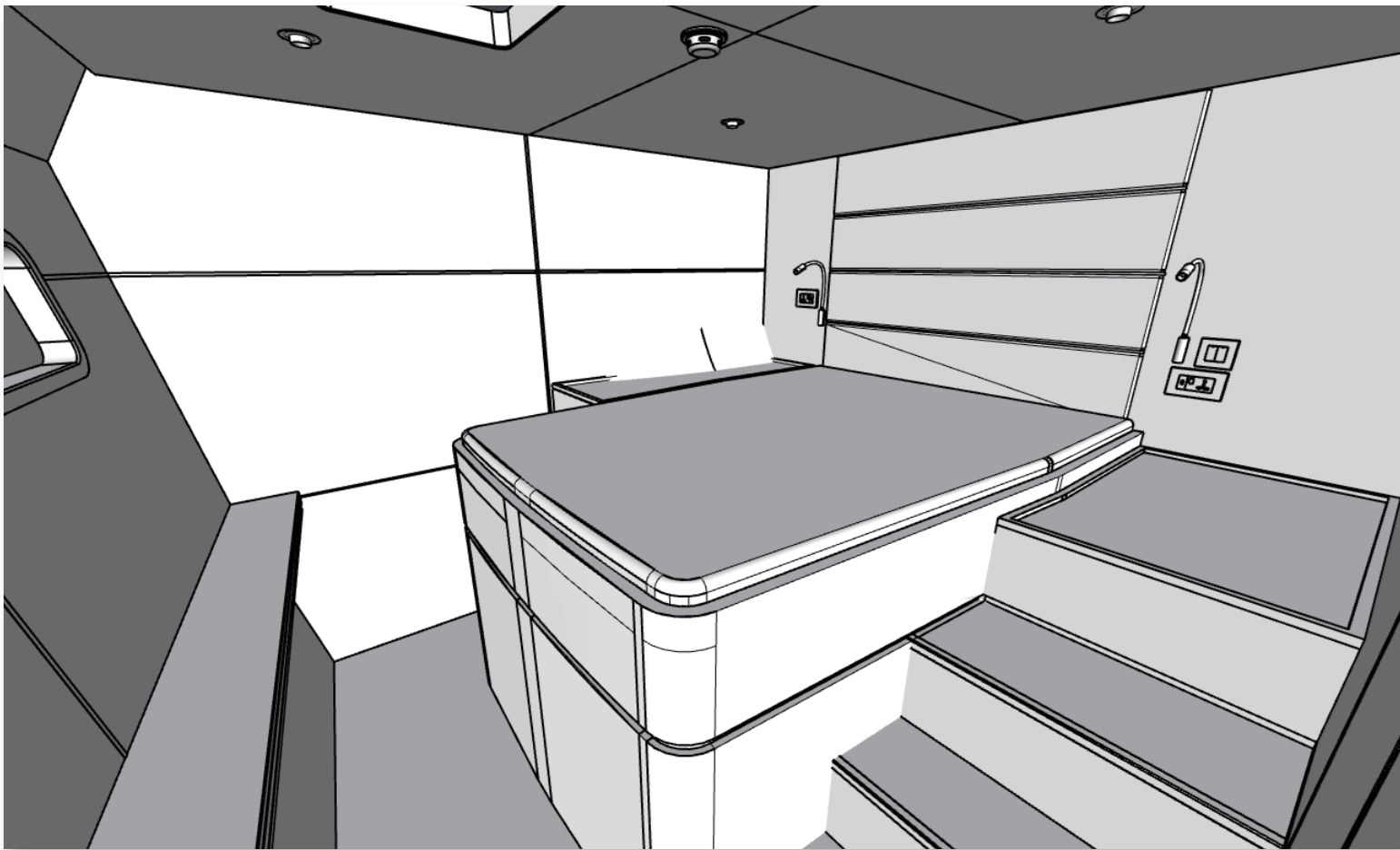


AFT HEADS AND SHOWERS (Port)

Standard

Premium

- Shower compartment FRP
- Electric flush toilet -albinus
- Granite counter top with basin
- FRP cabinet
- Mirror
- SS accent overhead LED light fixture
- Courtesy floor nightlight
- SS tissue roller
- SS towel/clothing loops and hooks
- Large overhead hatch with shade and screen

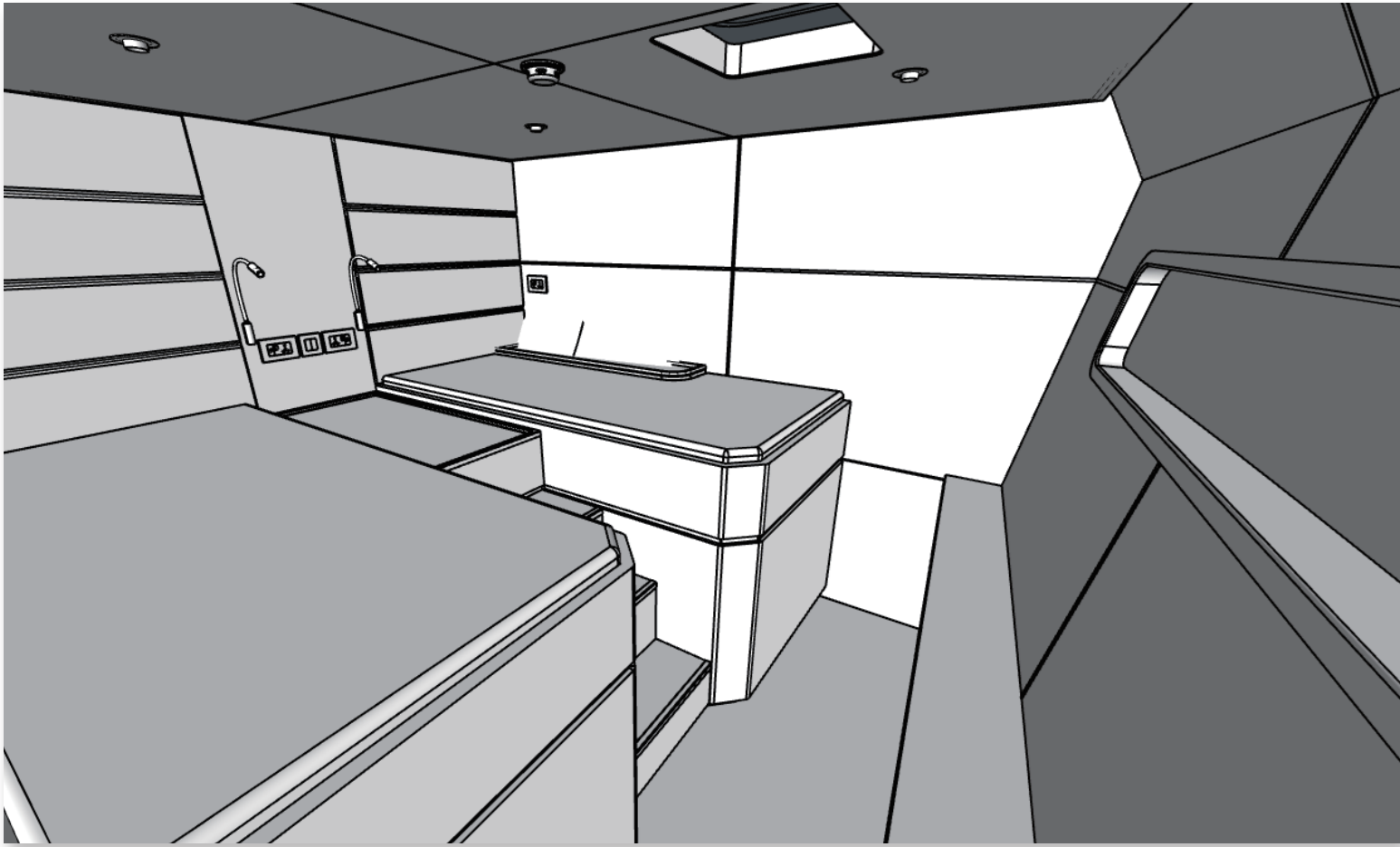


FORWARD STATEROOMS (Port)

Standard

Premium

- Double berth
- Drawer storage under berth
- Large hanging locker outside the room
- SS overhead light fixtures
- SS reading light
- Courtesy floor nightlight
- Porthole
- There is a long tabletop below the porthole
- Large overhead hatch with shade and screen
- Solid natural teak or hardwood cabin sole

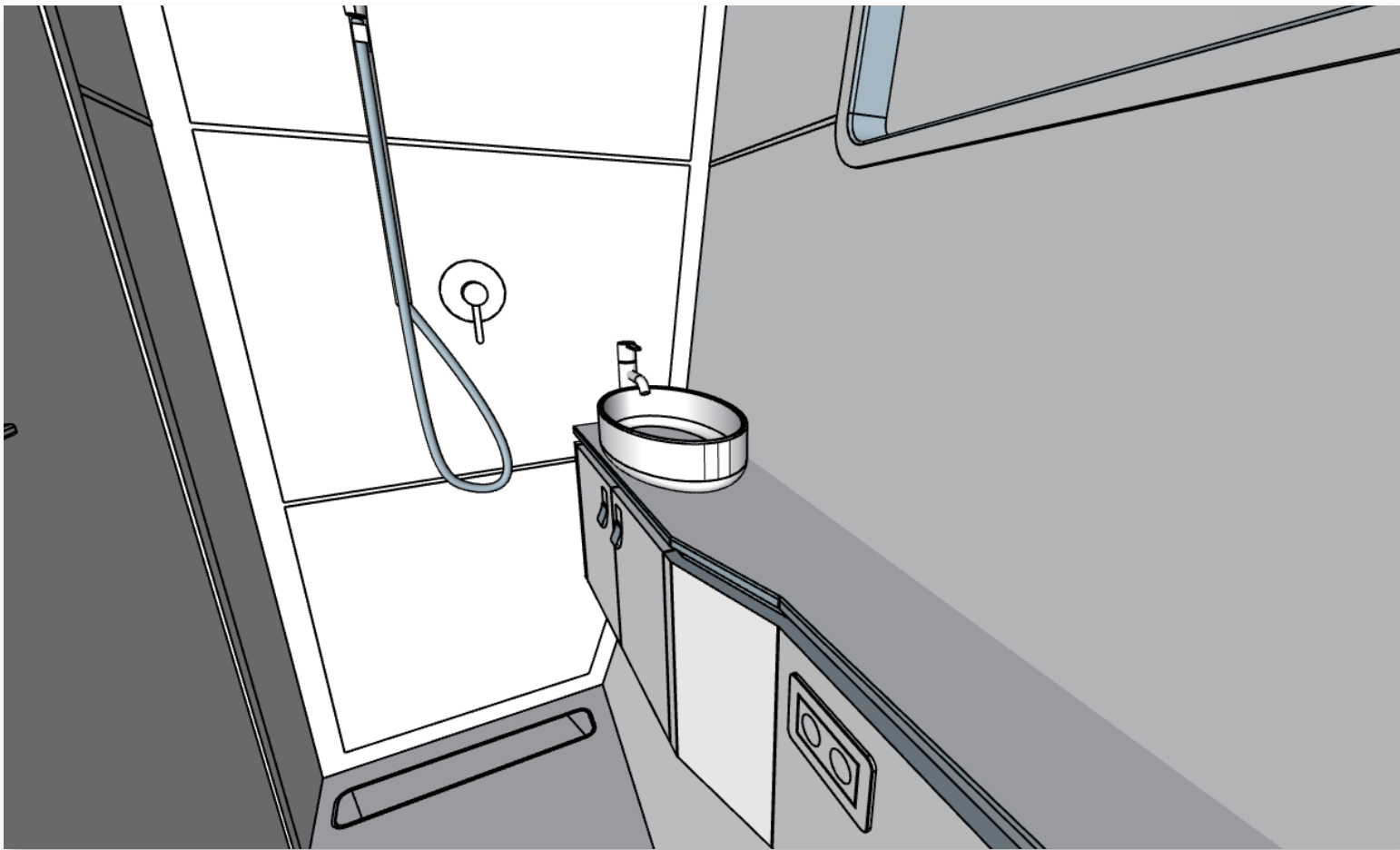


FORWARD STATEROOMS (Starboard)

Standard

Premium

- Two single beds
- Drawer storage under berth
- Clothes hanging closet outside the room
- SS overhead light fixtures
- SS reading light
- Courtesy floor nightlight
- Porthole
- There is a long tabletop below the porthole
- Large overhead hatch with shade and screen
- Solid natural teak or hardwood cabin sole

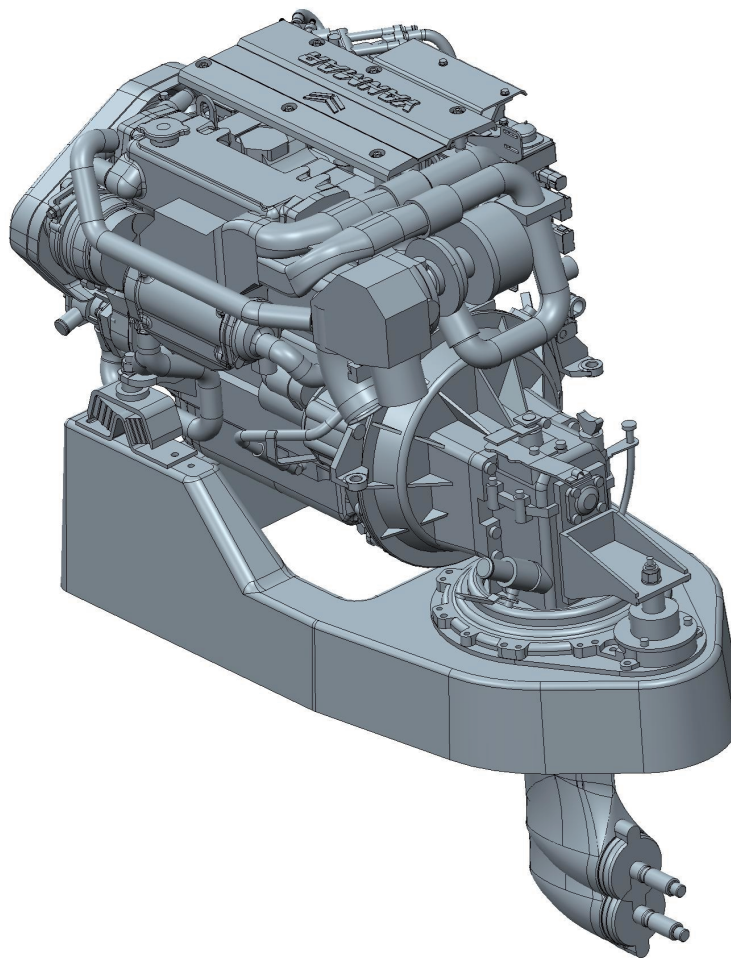


FORWARD HEADS AND SHOWERS (Port)

Standard

Premium

- Shower compartment FRP
- Electric flush toilet -albinus
- Granite counter top with basin
- SS accent overhead LED light fixture
- Courtesy floor nightlight
- SS tissue roller
- SS towel/clothing loops and hooks
- Large overhead hatch with shade and screen



ENGINE AND MACHINERY

Standard

Premium

- Twin Yanmar 80 HP diesel engines
- 2 Yanmar SD60-5 gearboxes
- Engine instrument panel at helm position
- Fuel tanks in vinyl ester resin 1,200 liters (317 gallons)
- Fireboy automatic fire extinguishers in engine rooms

PLUMBING

Standard

Premium

- 8 automatic bilge pumps (1,100 GPH each), 4 in each hull
- Two manually operated bilge pumps 35 liters/min
- Hot and cold pressure water system
- Two (2) fresh water tanks with 1,000 liter total capacity (264 gallons)
- Two (2) 40 liter hot water heaters
- Two (2) black water tanks (2 x 150 liter tanks)
- Black water direct overboard discharge via "Y" valve and pump out through deck pump-out fitting
- Main water maker – Rainman 343 GPD or similar
- Showers on transom

NAVIGATION AND ELECTRONICS

Standard

Premium

- Compass at each helm with light and dimmer
- B&G OR Raymarine I60 or similar wind/speed/depth instruments
- B&G OR Raymarine RAY63 VHF radio at navigation station
- B&G OR Raymarine handheld radio
- B&G OR 2 Raymarine AXIOM2 PRO 12 or similar chart plotter – one at each helm
- B&G OR Raymarine RS150 GPS sensor interfaced with MSD
- B&G OR Raymarine P70S series autopilot interfaced with MSD
- B&G OR Raymarine autopilot remote for use at navigation station
- B&G OR Raymarine RD418HD 4 kW radar

ELECTRICAL

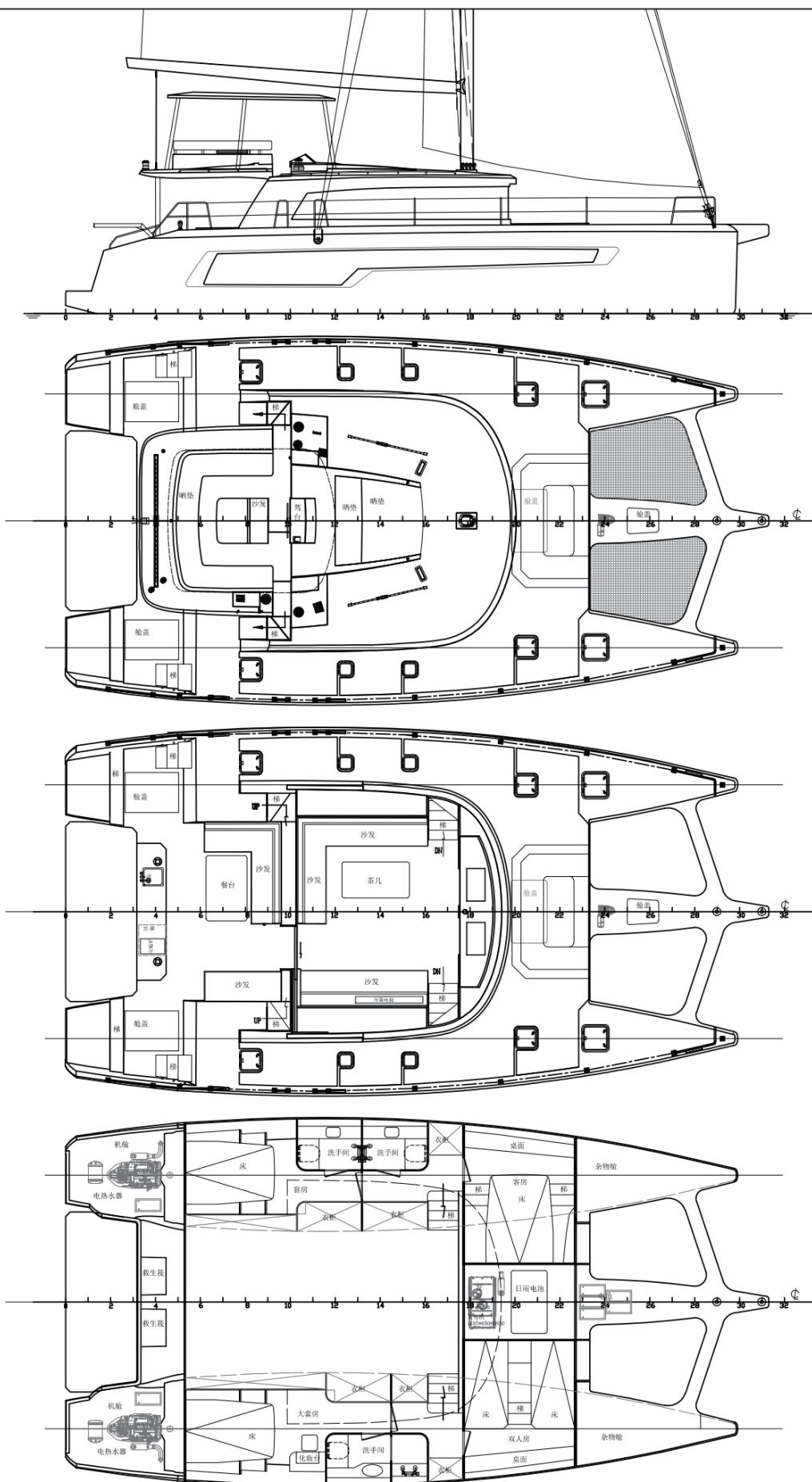
Standard

Premium

- Voltage: 24v DC
- (Prime) Kohler 18 kw, 120/220v AC, 50 Hz generator
- (Standby) Kohler 9 kw, 120/220v AC, 50 Hz generator
- Inverter/charger 24v DC, 2500 watt, 130 amp, 120v AC
- Dometic Chiller air-conditioning system total minimum 80,000 BTU
- Custom 24v DC/120/220v AC electrical distribution panel with circuit breakers
- Battery combiner integrated with the electrical system
- Shore power provides 220v AC
- Batteries to be sealed gel type: house and engine starting
- House: 4 deep cycle total 1200AH to run all domestic services
- Generators and Engines start batteries: two (3) 200AH batteries
- Battery charging from high output alternators
- Wiring - all marine cables to be Lloyds, ABS or CE approved
- Mast wiring run in plastic conduits
- Battery charging from high output alternators or shore power receptacles
- Lighting throughout will be 24v DC
- Mast lights: navigation lights, anchor light, steaming light, tri-color and two deck lights
- Twelve (12) electrical outlets throughout
- 50 foot shore power cords with Hubble fittings
- Alarm system: environment - high bilge, fire/smoke/heat alert; machinery - high water temp, low oil pressure on main engine; high oil temp and low oil pressure on transmission and reduction gear

最大长度 MAX LENGTH:	16.05m
水线长 LENGTH OF WATERLINE:	14.17m
最大水线宽 MAX BREADTH OF WATERLINE:	7.562m
设计吃水 DESIGN DRAFT:	0.585m
推进装置功率 ENGINE POWER OF PROPELLER:	2x80HP
主帆面积 MAIN SAIL AREA:	93m ²
三角帆面积 TRIANGLE SAIL AREA:	64m ²
乘员 PASSENGERS:	12P

艇长 HULL LENGTH:	14.95m
艇宽 HULL BREADTH (MLD):	8.20m
型深 DEPTH (MLD):	2.485m
艇体最大吃水 MAX. DRAFT OF YACHT:	1.345m
帆面积 SAIL AREA:	149m ²
主帆高 HEIGHT OF MAIN SAIL:	19.23m
三角帆高 HEIGHT OF TRIANGLE SAIL:	18.85m
类别 SORT:	II 类



DESIGN	AUDIT	FMA520S	TECHNICAL DESIGN
PROOFREAD	CAD		CZ520-100-02
LABEL INSPECTION	DITE	GENERAL DRAWING	WWW.FMABOAT.COM
DETERMINE			

INTERIOR FINISH

Standard

Premium

- The inner surface of the hull adopts gel coat material;
- The furniture decorations in the salon and guest cabins all use wood veneer and leather materials;
- Wood veneer color options
- Cushions for settees to be of high grade foam of 75-100 mm
- Mattresses to be latex

GENERAL

Standard

Premium

- Antifouling paint
- Four (4) winch handles

Specifications and component part manufacturers are subject to change. All dimensions, sizes and volumes listed are approximate. The shipyard reserves the right to modify any specifications without notice.

