



# SILENT-YACHTS

www.silent-yachts.com.au

## SILENT-44



### General Specifications

#### CONSTRUCTION:

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- Hulls are Light weight and flexible Western Red Cedar laminated with quadriaaxial e-glass and West System Epoxy. Western Red Cedar is dimensionally stable, lightweight with high strength, has insulating properties to reduces hull noise, and is resistant to decay.
- Engineered laminated solid timber keel and a reinforced laminated collision bow section in each hull
- Reinforced high-density foam core composite bonded with epoxy resin for strong and lightweight structure
- High quality and osmosis free Epoxy resin with high interlaminar shear strength
- Sophisticated highly torsion resistant hull and bulkhead structure
- Watertight bulkheads, sealed floor-sections and collision-compartments for ultimate safety
- Foam core structure bonded with e-glass acts as thermal and sound insulation within the yacht
- Interior furniture acts as reinforcing light weight structure
- Complete boat in gloss polyurethane painted finish
- Built as standard in accordance with CE regulations. USCG on request.

#### PROPULSION - ENGINE AND GEARS

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- 2 x 30 kW high efficiency motors
- Cruising speed 6-8 kts, top speed approx. 12 knots
- High-efficiency propellers on turnable saildrives – commercial version
- Engine controls and control panels at inside and outside helm
- Access to engine- / technical-compartments via c and /or via stern entrance
- Engine-compartments ventilation: natural aeration and forced extraction
- Generator-, engine- and technical compartments sound protected
- LED-light in each technical compartment
- 1 x 250 L fuel tank, with option for ( 2 x 250 L = 500L fuel tanks for range extender)
- Equipment includes: - Filtration: pre-filter, water-separator and filter - Fuel cut-out remote control - Fuel filler, aeration - Electric reading gauges on chart table



## STEERING EQUIPMENT

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- 2 rudder blades with stainless steel rudder shaft (except with turnable saildrives)
- Epoxy tube for rudder bearings
- Self-aligning upper and lower bearings
- Hydraulic steering system (except with turnable saildrives)

## ENERGY PRODUCTION AND STORAGE

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- 24 high-efficiency solar-panels with ~9.5 kWp in total for propulsion and household
- MPPT solar charge regulators
- Range-Extender 33 kW @ 48 V
- Lithium Batteries 48 V, 33 kWh
- 22.5 V service batteries with 50 A charger
- Charger 60 A for 25.2V Batteries
- Inverter 5 kVA - sufficient for all standard household appliances
- Charge-, consumption- and capacity controls for all electric circuits

## PLUMBING

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- All hoses and pipes are marine grade
- Fresh water: - 2 x 250 L = 500L fresh water tank (2 x 400L = 800L as option) - Fresh water circuit including pressure pumps - electric boilers for all showers / sinks - 1 hand shower on stern platform (H/C) Waste water: 2 x waste water tank 1 x 250L with electric macerator pump. Option 2 x 250L = 500L waste water tank.
- Drainage circuit: - Self-draining cockpit as per CE standards - Automatically activated electric bilge pump in each watertight compartment

## ELECTRICITY

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- Fuses and interrupters for 12, 24 and 48 V DC and 230 V AC (US Version 110 V) (AUD Version 240 V)
- All wiring with tin-coated copper cables of marine grade
- All cables labelled and numbered and mounted on rails
- All lights high quality LED
- Main switchboard for battery level, fuel-, water- and blackwater-levels, navigation lights
- Shore-power connection with fuse



## INTERIOR

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### *Layout Versions*

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- VERSION 3/2: 1 VIP-Master cabin in the front starboard with full length ensuite includes twin vanities in hull with office desk, port-side 1 guest-cabin with two single bunks shared ensuite, port-side 1 guest-cabin with double bed shared ensuite, (= 3 cabins one with double bunk, 2 bathrooms) Sleeps 6

Other optional variations:

- VERSION 4/2: port-side 1 double-bed cabin with shared en-suite bathroom, starboard 1 double bed cabins with shared en-suite bathroom, 2 cabins in front hull, port side with shared ensuite, starboard side shared ensuite (= 4 cabins, 2 bathrooms) Sleeps 8
- VERSION 4/3: starboard 1 VIP-Master cabin in the front with ensuite, port-side 1 double-bunk cabin each with shared en-suite bathroom, starboard 1 double bed cabin with en-suite bathroom, port-side 1 double-bed cabin with shared en-suite bathroom, (= 4 cabins one with double bunk, 3 bathrooms) Sleeps 8

All bathrooms incl. sink, electric toilet and separate shower.

All cabins either with double bed or two single beds.

Other versions on request

### *General Interior*

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- Headroom in the cabins, bathrooms and corridors 2.04 m
- Headroom in the front-cabin 2,00 m, front-cabin bathrooms /walk-in-closet 2,04 m
- Headroom in the saloon / kitchen: 2.09 m
- Large portlights in all cabins
- Natural aeration and forced aspiration-system in all cabins / bathrooms
- Interior furniture built in light weight materials covered with real wood veneers
- Thermal insulation for excellent room climate
- All walls lacquered or covered with wood, vinyl leather or Alcantara optic materials
- Standard interior with mix of modern maple, teak, white wine or other veneers with white lacquered surfaces and colored floors.
- Other Interior veneers like Wengé, Palisander, Oak, Mahogany, Aniegre and Décor Materials are also standard. Special veneers and leathers on request
- Hand rails in inox, optionally covered with leather
- All cabin- and bathroom doors in light weight material, high quality, soft closure
- Door-locks with high quality “anti-rattle” mechanism, all drawers soft closure
- Port lights and deck hatches in “flush deck” design and CE approved
- All steps with anti skid surface, LED courtesy-lights



## ***Saloon***

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- Vast panoramic saloon inside of ~ approx. 20 m<sup>2</sup> - headroom: 2 m
- Sliding saloon door and sliding window– opens at full saloon-width
- Sliding window on the stb. side
- Sliding door and sliding windows transform the closed saloon into an open cockpit-area
- LED lights

### Inside Helms-Position and Chart Table

- Helm-position with steering, engine-controls and -displays, compass
- Large instrument console for electronic equipment
- 2 x 230 V (US 110 V) socket, 2 x 12 V sockets
- Helms-seat for two persons (~120 cm wide)
- 360° view from the helms-position
- Vast storage underneath with long drawers

### Saloon Lounge Area

- “L” shaped sofa with comfortable cushions, could serve as bed
- Dining table for 6 persons

### Pantry

- “U” shaped kitchen with acrylic stone worktop
- Sink in stainless steel
- 230 V (US 110 V) (AUD 240 V) sockets on the worktop
- Induction cook-top (4 plates)
- Fridge or side-by-side fridge/ freezer (depending on version)

## ***General Cabins***

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- 1 large double bed or 2 single beds bunks.
- Maritime mattresses in PU-foam with varied densities for greater comfort and restful sleep (140 mm thick), anti-mite, anti-fungus, antibacterial, hypoallergenic
- Storage under the bed, accessible from the side or from the top
- Hanging lockers and lockers with shelves, storage boards (depending on version)
- 2 x 230 V (US 110 V) ( AUD 240 V)sockets, 12 V and USB socket
- LED-ceiling-lights and reading lights back side of the bed

Front VIP-Cabin - Additionally to the above mentioned features

- Full-width cabin > approx. 1980mm wide
- 2 large double bed approx. 1500mm x 1980mm with side access.
- Vast storage area on the bridgedeck alongside the bulkhead
- Bathroom on port-side with large vanity-table, large shower and 230 V plugs (AUD 240 V)
- Walk-in locker on starboard with extensive hanging lockers, desk, large mirror and lockers with shelves



## Bathrooms

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- En-Suite Bathroom in “Version 3 VIP”, “Version 3/2”
- Sink / basin with mixer tap (H/C)
- Locker under / above the sink / basin and other locker for various items
- Upper cabinet with mirror
- Non-skid flooring
- Accessories like towel holder, soap-dispenser, paper-holder
- Electric toilet
- Separate shower (H/C) with acryl door in each bathroom
- Storage-shelf and seat in shower
- (230 V EURO) (AUD 240 V) (US 110 V) socket
- LED spotlights

### Master Bathroom (in the 3 VIP-Cabins version)

#### Additionally, to the above-mentioned features

- Generous bathroom
- Large “king-size” shower
- Large twin-sinks / basin
- Additional mirror and lockers

## Deck

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### Transoms

- Shower (H/C) in starboard transom
- Inox handrails
- 1 swimming ladder at transom step
- I-bench at the salon-wall with a U cockpit seat and table for 6-8 persons
- All voids are accessible for ropes, fenders, cushions etc.
- Built in Stairs to flybridge

### Engine- / Technical Compartments

- Access through liftable stairways
- Sufficient space for generator and all other technical components
- Space for watertoys etc. (only on “cruiser”-version)
- Sound-protected, LED-light, 230 V (AUD 240 V) socket

### Foredeck

- 2 deck-hatches for access to forward storage-compartments
- 1.200 W electric windlass (8 mm chain)
- Composite day bed areas for up to 4 guests, with 2 x round composite tables/ drink holders with stainless rims.
- backrests on the day bed cushions only with extra center cushion with twin drink holder – option.



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## Flybridge

- Central helm console for engine controls and navigation equipment
- moulded U-shaped sofa with table
- sun-beds with flipable backrests
- Fixed solar-roof (optionally retractable)

## Deck fittings

- 8 mooring cleats total (2 x swim deck, 2 x stern, 2 x mid-ship, 1 x bow on each hull)
- 2 pad-eyes to attach the lifelines
- inox stanchions with inox handrail
- Pulpit in stainless steel, bow seats with teak

## Exterior decoration

- Silent-Yachts logo on sides of coach roof, Model name on each hull, SY44 badges on side hull windows.

## US SPECIFICATIONS / AUD SPECIFICATIONS

### For boats sold in USA only

- 110 V electrical panel, 110 V sockets ( AUD 240 V sockets )

## Dimensions

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Length overall	13.40 m / 44.0'
Length waterline	13.00 m / 42,7'
Beam overall	7.20 m / 23.6'
Draft	0.750 m / 2.5'
Slenderness ratio (Lwl/Bwl)	8.6
Light displacement (EC)	11 tons Water 250 L
Fresh-water	2 x 250L = 500L
Waste-water	1 x 250 L
Fuel	1 x 250 L
Standard engines	2 x 30 kW e-motors
CE Certification	A: 12; B: 12; C: 16; D: 20

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East Cape Marine: yacht design & engineering Mag. Grant Hudson & Michael Köhler : technical- and layout-concept