



SILENT-YACHTS



SILENT-55

Basic Specifications

CONSTRUCTION:

- Light weight glass sandwich composite construction, carbon reinforced
- Resin infusion and vacuum bagging for strong and lightweight structure
- High quality and osmosis free Vinylester 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 sandwich structure of boat acts as thermal and sound insulation
- Interior furniture acts as reinforcing light weight structure
- Complete boat in gelcoat laminate surface
- Built as standard in accordance with CE regulations. USCG on request.

PROPULSION - ENGINE AND GEARS

- 2 x 25 kW high efficient synchronous motors – cruising speed 6-7 kts
- High-efficiency propellers on saildrives
- Engine controls and control panels at inside and outside helm
- Access to engine- / technical-compartments via Cabin 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
- 2 x 300 L fuel tank 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
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STEERING EQUIPMENT

- 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

- 30 high-efficiency solar-panels with ~10 kWp in total for propulsion and household
- MPPT solar charge regulators
- Range-Extender – sufficient to supply E-motors and household if necessary
- Lithium Batteries 48 V – sufficient capacity for slow all-night cruising
- 24 V service batteries with 50 A charger
- Charger 80 A for 30 kWh 48V Batteries
- Inverter 15 kVA - sufficient for all standard household appliances
- Charge-, consumption- and capacity controls for all electric circuits

PLUMBING

- All hoses and pipes are marine grade
- Fresh water:
 - 500 L fresh water tank (1000 L as option)
 - Fresh water circuit including 2 water pumps (for redundancy)
 - electric boilers for all showers / sinks
 - 1 hand shower on stern platform (H/C)
 - Fresh water filler with error-proof inlet
- Waste water:
445 L waste water tank with electric macerator pump
- Drainage circuit:
 - Self-draining cockpit as per CE standards
 - Automatically activated electric bilge pump in each watertight compartment
- All pumping systems according CE regulations

ELECTRICITY

- Fuses and interrupters for 12, 24 and 48 V DC and 230 V AC (US Version 110 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

Layout Versions

- VERSION 3/3: 1 full-width (>7 m) VIP-cabin in the front, 2 VIP-cabins with en-suite bathrooms in the hulls (= 3 cabins, 3 bathrooms)

Other optional variations:

- VERSION 4/3: port-side 2 twin- or double-bed cabins sharing 1 bathroom, starboard 1 VIP-cabin with en-suite bathroom, 1 full-width (>7 m) VIP-cabin in the front with en suite bathroom and walk-in-locker (= 4 cabins, 3 bathrooms)
- VERSION 4/4: 2 double-bed cabins with en suite bathrooms in the front, 2 VIP-cabins with en-suite bathrooms in the hulls (= 4 cabins, 4 bathrooms)
- VERSION 5/3: 4 twin- or double-bed cabins (2 in each hull) sharing 2 bathrooms, 1 full-width (>7 m) VIP-cabin in the front, (= 5 cabins, 3 bathrooms)
- VERSION 6/4: 2 double-bed cabins with en suite bathrooms in the front, 4 twin- or double-bed cabins (2 in each hull) sharing 2 bathrooms (= 6 cabins, 4 bathrooms)

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

- 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
 - Deck-hatches in aft-cabins "flush deck" design
 - Deck-hatches in front-cabins "flush deck" design, shaded by the roof
 - Natural aeration and forced aspiration-system in all cabins / bathrooms
 - Interior furniture built in light weight materials
 - 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 veneer with white lacquered surfaces and old Oak colored floors. Décor panels in vinyl leather optic.
 - 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
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Saloon

- Vast panoramic saloon of more than 37 m² - headroom: 2.09 m
- Window area in standing and seating eye level for all round vision
- Lifting saloon door – opens at full saloon-width – connecting saloon and cockpit
- Door in the lifting saloon door, opens separately for access to cockpit
- Sliding windows on both sides
- Lifting 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 (~115 cm wide)
- 360° view from the helms-position
- Vast storage underneath with ~120 cm long drawers

Saloon Lounge Area

- “U” shaped sofa with comfortable cushions, could serve as bed (220 x 180)
- Dining table for 8 persons

Pantry

- “U” shaped kitchen with acrylic stone worktop
- Sink in acrylic stone optic
- 230 V (US 110 V) sockets on the worktop
- Induction cook-top (4 plates)
- Stainless steel air-extractor above the cooktop
- Flap with access to waste bin or storage-locker
- Fridge or side-by-side fridge/ freezer (depending on version)
- Storage:
 - 1 large locker with shelving (optional dishwasher)
 - 1 large locker with shelving (optional washing-machine/dryer)
 - 1 large locker with shelving, under-sink storage, lockers with shelves and drawers

General Cabins

- Natural aeration and forced aspiration-system in all cabins / bathrooms
- Large portlights and flush deck-hatches CE approved
- 1 large double bed or 2 single beds with slatted base
- 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) 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 > 7 m wide
- 1 large double bed 200 x 180 with side access with slatted base
- Vast storage area on the bridgedeck alongside the bulkhead
- Bathroom on port-side with large vanity-table, large shower and 230 V plugs
- Walk-in locker on starboard with extensive hanging lockers, desk, large mirror and lockers with shelves

Bathrooms

- En-Suite Bathroom in "Version 3 VIP", "Version 2/2 + 2 VIP" and "Version 4/4"
- Sink / basin with mixer tap (H/C)
- Locker under 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 (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 sink / basin
- Additional mirror and lockers

Deck

Transoms

- Shower (H/C) in starboard transom
- Inox handrails
- 1 swimming ladder at transom step
- 230 V (US 110 V) power outlet and shore-power-input
- Courtesy- / emergency-lights

Stern - Cockpit

- Large cockpit (20 m²) usable as deck saloon, protected by the roof
- Large central seating (4,5 m wide) with storage underneath
- 2 fixed cockpit tables for 8-10 persons
- All voids are accessible for ropes, fenders, cushions etc.
- Stairs to flybridge



Engine- / Technical Compartment

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

Foredeck

- 2 deck-hatches for access to forward storage-compartments
- 1.500 W electric windlass with gipsy (10 mm chain) and capstan
- Composite longitudinal compression-beam, comfortable trampolines made of UV-resistant heavy duty mesh

Flybridge

- Central Helm Station with Engine Control and Navigation equipment
- Sofa with table and sun-beds
- Fixed solar-roof (optionally retractable)

Deck fittings

- 10 mooring cleats total (2 x stern, 2 x mid-ship, 1 x bow on each hull)
- 2 pad-eyes to attach the lifelines
- 900 mm inox stanchions with inox handrail
- Pulpit in stainless steel, Bow Seats with teak

Exterior decoration

- Sunwave logo on sides of coach roof, Model name on each hull

US SPECIFICATIONS

For boats sold in USA only

- 110 V electrical panel, 110 V sockets

Dimensions

Length overall	16.70 m / 54.8´
Length waterline	16.52 m / 54,2´
Beam overall	8.46 m / 27.7´
Draft	0.64 m / 2.1´
Slenderness ratio (Lwl/Bwl)	10.08
Light displacement (EC)	14,1 tons
Water	500 L
Waste-water	475 L
Fuel	2 x 300 L
Standard engines	2 x 25 kW e-motors
CE Certification	A: 12; B: 12; C: 16; D: 20