



SILENT-55

General 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 Vinylesther 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 30 kW high efficiency motors
- Cruising speed 6-7 kts, top speed approx. 11 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
- 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



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 22 kW @ 48 V
- Lithium Batteries 48 V, 70 kWh
- 24 V service batteries with 50 A charger
- Charger 80 A for 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 pressure pumps
 - electric boilers for all showers / sinks
 - 1 hand shower on stern platform (H/C)
- Waste water:
 - 2 x 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

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
- 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

- Vast panoramic saloon of ~ 40 m² - headroom: 2.09 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 ~120 cm long drawers

Saloon Lounge Area

- "L" shaped sofa with comfortable cushions, could serve as bed
- Dining table for 8 persons

Pantry

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

General Cabins

- 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 / 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 (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
- L-bench at the salon-walll with cockpit table for 8 persons
- All voids are accessible for ropes, fenders, cushions etc.
- Stairs to flybridge

Engine- / Technical Compartments

- 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 (10 mm chain)
- Composite longitudinal compression-beam, comfortable trampolines made of UV-resistant heavy duty mesh
- backrests on the trampoline



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

- 10 mooring cleats total (2 x stern, 2 x mid-ship, 1 x bow on each hull)
- 2 pad-eyes to attach the lifelines
- 630 - 900 mm 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

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)	17,2 tons
Water	500 L
Waste-water	475 L
Fuel	2 x 300 L
Standard engines	2 x 30 kW e-motors
CE Certification	A: 12; B: 12; C: 16; D: 20

This document is non contractual. We reserve the right to modify specifications or components according to class and flag state rules.

iYacht GmbH: yacht design & engineering

Mag. Michael Köhler: technical- and layout-concept