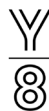




Y YACHTS  
BY MICHAEL SCHMIDT YACHTBAU

TECHNICAL SPECIFICATIONS



<b>LOA (Hull)</b>	23.99m
<b>Removable bowsprit extension</b>	25.99
<b>LWL</b>	21.75m
<b>Beam</b>	6.00m
<b>Draft</b>	
Fixed keel	4.00m
Telescopic keel	2.70m – 3.90m
<b>Displacement (light ship)</b>	approx. 34.5t
<b>Ballast</b>	approx. 12.5t
<b>P</b>	30.28m
<b>E</b>	10.46m
<b>J</b>	8.75m
<b>I</b>	30.05m
<b>Mainsail</b>	approx. 190m <sup>2</sup>
<b>Self-tacking jib</b>	approx. 114m <sup>2</sup>
<b>Code 0</b>	approx. 380m <sup>2</sup>
<b>Gennaker</b>	approx. 590m <sup>2</sup>
<b>Engine</b>	NANNI T4.230, 169.1kW (230hp)
<b>Drive</b>	Shaft
<b>Generator</b>	FISCHER PANDA 8000i, PMS – 8.00kVA / 6.40kW, 230V/50Hz?
<b>Service battery bank</b>	8x 12V/200Ah AGM (800Ah at 24V)
<b>Engine battery</b>	12V 95Ah AGM
<b>Generator battery bank</b>	12V 95Ah AGM
<b>Genoa furler &amp; bow thruster battery bank</b>	4x 12V 95Ah AGM (190Ah at 24V)
<b>Fuel capacity</b>	approx. 1,600l
<b>Freshwater capacity</b>	approx. 1,000l
<b>Hotwater capacity</b>	approx. 75l
<b>Blackwater capacity</b>	approx. 240l

**Yard**

Michael Schmidt  
Yachtbau GmbH

**Naval Architect**

Lorenzo Argento Yacht Design

**Interior Design / Styling**

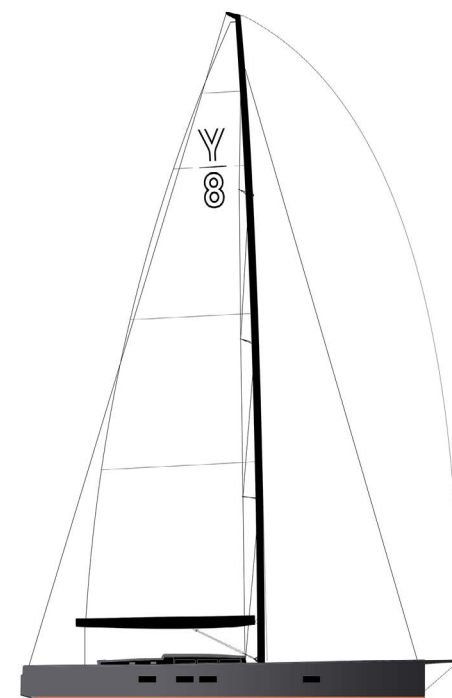
Design Unlimited

**Structural Engineering**

AMS Italia

**Classification**

CE Category „A“

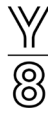


## GENERAL

1.1	<b>HULL</b>	The hull is made of sandwich-construction with CORECELL™ M-foam. The complete hull is vacuum infused and consolidated, where the inner structure consists exclusively of carbon.
1.1.1	<b>HULL COLOR</b>	The hull topsides are finished in gelcoat, RAL 9010. Hull bottom is finished in clear gelcoat.
1.1.2	<b>HULL PORTLIGHTS</b>	There are 4 hull portlights on each side of the yacht, 2 in owner's cabin, 1 in galley, 1 in salon and 1 in each guest cabin. The portlights are made from toughened and laminated safety glass.
1.2	<b>DECK</b>	The deck is made of carbon / vinyl estery / CORECELL™ sandwich, vacuum consolidated. All bulkheads and reinforcements are made in carbon epoxy.
1.2.1	<b>SUPERSTRUCTURE COLOR</b>	The superstructure is finished in gelcoat, RAL 9010.
1.3	<b>BOW COMPARTMENT</b>	Custom flush deck hatch. Anchor chain storage. Solid laminated anchor windlass foundation. Watertight bulkhead. Crash box in the lower bow section for additional safety.
1.4	<b>SAIL LOCKER</b>	Flush carbon deck hatch, stainless-steel ladder for easy access. Floorboards, LED overhead light, electric bilge pump and a 230V socket. Topsides are top-coated in grey.
1.5	<b>LAZARETTE</b>	Large powered custom hatch incl. 2 carbon inspection hatches in cockpit floor for dinghy storage. Possibility of storing a dinghy of maximum size 3.25m by 1.78m. The carbon bathing platform is integrated in the stern while the transom stays fully closed, even with bathing platform lowered. This significantly increases the boat's safety and keeps the lazarette dry. The transom swimming platform opens electrically. There are steps from deck level to swimming platform.
1.6	<b>CHAIN PLATES</b>	Shrouds V1 / D1 carbon chainplates with stainless-steel bushings structurally integrated into the hull laminate to achieve maximum bonding and excellent load distribution. The forestay is connected with an integrated electric RECKMANN furler. Spreaders are swept back approx. 30°.
1.7	<b>ENGINE COMPARTMENT</b>	The engine room is between the aft guest cabin and galley. Special attention is paid for best thermal and sound insulation due to special bulkheads and high noise absorbing material. The complete engine room has almost standing height and contains all related technical equipment and a SEAFIRE automatic fire extinguisher system. The engine compartment is finished in gelcoat, RAL 9010, for practical and maintenance reasons.
1.8	<b>STRUCTURAL BULKHEADS</b>	All bulkheads are made in carbon / epoxy / DIVINYLCELL® foam, vacuum consolidated. For more strength and better load distribution there are additional carbon fibre reinforcements around doors, cut outs and cable penetrations.
1.9	<b>BOWSPRIT</b>	Carbon bow sprit, removable with stainless-steel anchor roller, fixing point for the gennaker and code 0, well separated from the forestay.

## DECK EQUIPMENT

2.1	<b>DECKING</b>	All walking areas plus cockpit are covered with synthetic teak material and light grey caulking. Complete decking is vacuum glued. 35mm high toe rail is mounted along the entire outer side of the deck. All deck fittings like padeyes, railings, cleats and deck fittings are finished in high gloss marine stainless-steel. All deck gear like HARKEN winches, stoppers are matt black anodized.
2.2	<b>STEMHEAD FITTINGS</b>	The deck is incorporating a removable bowsprit which holds the stainless-steel anchor fitting with rollers together with chain guide. The bow has a gennaker tack on fwd nose and fixed padeye for the code 0.
2.3	<b>PULPIT, PUSHPIITS, STANCHIONS AND LIFE LINES</b>	Pulpits port and stbd are made in stainless-steel with attached LED navigation lights. Stainless-steel push pits with LED stern light and bracket for stainless-steel flagpole. 2x8 stanchions and 2x2 rail gates. Padeyes in cockpit for safety harnesses.
2.4	<b>CLEATS</b>	6 mooring cleats: 2 in the bow section, 2 midships and 2 aft, 2 stainless-steel fairleads in the bow section.
2.5	<b>WINDOWS, HATCHES AND PORTLIGHTS</b>	The fixed flat windows in deckhouse are made of tempered glass, securely attached and sealed-off to the deck. Manually operating custom made acrylic sliding hatch for main companionway with lock and washboard. All hatches are flush mount in numerous positions. Large custom carbon flush hatch on aft deck for dinghy storage.
2.6	<b>MAINSHEET SYSTEM</b>	For safety reason the mainsheet fixing point is as far as possible separated from the guests. A single point mainsheet on aft deck close to steering consoles. Mainsheet is operated by electric winches.
2.7	<b>HEADSAIL SYSTEM</b>	HARKEN custom self-tacking system to make single hand tacking easy. Custom track for self-tacking jib. Mini-maxi hi-load car with stand-up block and stoppers. Sheet for self-tacking jib, 2:1 purchase via sheave at mast and halyard block.
2.8	<b>BLOCKS, JAMMERS AND FITTINGS</b>	2x5 aluminium halyard blocks at mast foot. 4x padeyes on bulwark for halyards. 2x5 jammers.



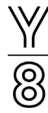
2.9	<b>COCKPIT TABLE(S)</b> Ample cockpit table, built in composite lightweight material.
2.10	<b>ANCHOR, CHAIN AND WINDLASS</b> Anchor LEWMAR Delta 50kg, galvanized, incl. 80m 12mm galvanized chain and LOFRANS X4 electric windlass installed in anchor locker. Electric windlass is controlled by remote control on foredeck.
2.11	<b>WINCHES</b> 2x electrical HARKEN B80.2STEA primary winches for easy single-handed use next to steering position. Additional 2x electrical HARKEN B80.2STEA winches for gennaker, code 0 or mooring lines.

**MAST & RIGGING**

3.1	<b>MAST</b> Carbon mast from AXXON, high modulus prepreg, autoclave cured, 3 spreaders, modern fractional rig, tapered top, spray painted black, standing rod rigging, 2x down lights at the first spreader used also as deck light, ANTAL track to hold jib halyard. Mast jack with hydraulic hand pump and wedges. RECKMANN hydraulic jib furler. Main halyard 2:1 purchase, jib halyard 1:1, boom topping lift as spare, main halyard, self tacking jib sheet 2:1 purchase, 2x lazy jacks 4 in 1, 2x flag lines to first spreader.
3.2	<b>BOOM</b> Carbon monocoque boom from AXXON, high modulus prepregs in female mould, autoclave cured, spray painted in black, 2x single line reefing, outhaul track and car with line, hydraulic boom vang RECKMANN manually operated from aft cockpit side.

**INTERIOR**

4.1	<b>FURNITURE</b> Joinery built partly from extra lightweight panels. All surfaces are either painted or covered with veneer, according to YYachts mood board. Ceilings made of lightweight panels covered with fabrics or painted.
4.1.1	<b>FLOOR</b> Floor according to Y Yachts mood board. The floor support grid consists of sound isolated material (plywood / rubber / cork) which is attached to the structure by laminate and/or epoxy glued.
4.1.2	<b>ACCESSORIES</b> Salon upholstery material by KVADRAT according to individual choice. Mattresses on all beds are high quality "Softec visco" type offering optimal underside ventilation. All interior accessories (fabric, lamps, taps, switches, tables, handrails...) according to Y Yachts mood board.
4.2	<b>LAYOUT</b>
4.2.1	<b>OWNER'S CABIN</b> Owner's cabin features a queen size double island bed and full height hanging wardrobe, drawers and lockers, 230V sockets + 12V USB charging sockets, indirect lighting, direct lighting, reading lights and night courtesy lights. En-suite bathroom is at the forward end of the cabin with PLANUS KONOS electrical toilet, separate shower stall, mirror, washbasin mounted on satin white CORIAN countertop.
4.2.2	<b>GUEST CABIN - PORTSIDE</b> Guest cabin port features a double bed with hanging wardrobe, drawers and lockers incl. 230V sockets, indirect lighting, direct lighting, reading lights and night courtesy lights. En-suite bathroom is at the forward end of the cabin with electrical toilet, separate shower, mirror, washbasin mounted on satin white CORIAN countertop.
4.2.3	<b>GUEST CABIN - STARBOARD</b> Guest cabin on stbd features a double bed with hanging wardrobe, drawers and lockers incl. 230V sockets, indirect lighting, direct lighting, reading lights and night courtesy lights. En-suite bathroom is at the forward end of the cabin with electrical toilet, separate shower, mirror, washbasin mounted on satin white CORIAN countertop.
4.2.4	<b>GUEST CABIN PORTSIDE AFT</b> Guest cabin on port aft features a double bed with hanging wardrobe, drawers and lockers incl. 230V sockets, indirect lighting, direct lighting, reading lights and night courtesy lights. En-suite bathroom is at the forward end of the cabin with electrical toilet, separate shower, mirror, washbasin mounted on satin white CORIAN countertop.
4.2.5	<b>SALON</b> Salon features a minimalistic very open space arrangement yet with emphasis on different working areas. U-shaped lounge sofa and dedicated coffee table on port can accommodate up to 6 people. Dining table with large L-shaped dining bench on stbd. Plenty of storage space under the sofa and dining bench. 230V sockets, indirect lighting, direct lighting, reading lights and night courtesy lights.
4.2.6	<b>GALLEY</b> Galley is located on stbd aft. Single piece CORIAN countertop in satin white with integrated double sink, faucet and niche with gimbaled gas cooker with oven. Stainless-steel refrigerator with 4 drawers (2 drawers' fridge + 2 drawers deep freeze). Lockers, drawers, waste bin are provided. Indirect lighting, direct lighting and night courtesy light, 230V sockets.
4.2.7	<b>BAR AREA</b> Bar area is located on stbd side aft of the galley and features a wooden desk facing aft and bar sofa with generous storage space for books, documents and stationary. Reading light, indirect lighting, direct lighting and night courtesy light, 230V sockets + 12V USB charging sockets
4.2.8	<b>CHART TABLE</b> Chart table is located midship aft forward of crew companion way facing forward. Chart table offers a working area with instruments and gauges, ergonomically positioned instruments and gauges and space for documents. Chart table chair as per mood board. Red and white reading light, direct lighting and night courtesy light at stairway, 2x 230V sockets, 2x USB sockets.



<b>4.2.9</b>	<b>CREW QUARTERS</b>
	Located on port aft and features 2 single bunks, lockers and drawers, en-suite bathroom with sink, mirror, electric toilet and shower. Indirect lighting, direct lighting, reading lights and courtesy light and 230V sockets.

## PROPULSION & STEERING

<b>5.1</b>	<b>MAIN ENGINE</b>
	NANNI marine diesel type T4.230 169.1kW (230hp), Propeller Flex-o-fold folding 4-blade, 27x19. Alternators on main engine 12V-120A and second alternator 24V-110A, fuel filter with water separators, mechanic single lever engine control for throttle and gear, engine panel, installed at starboard steering wheel.
<b>5.2</b>	<b>BOW THRUSTER</b>
	Bow thruster MAX POWER VIP250SP approx. 15kW, retractable electric.
<b>5.3</b>	<b>RUDDERS</b>
	Double rudder system features 2 semi balanced rudders made of glass composite, aluminium stock self-aligning roller bearings. Bearings and housing are in fully laminated fittings to achieve maximum connection to the hull.
<b>5.4</b>	<b>STEERING SYSTEM</b>
	2x steering pedestals with instrument consoles incl. magnetic compass, 2x white painted composite steering wheels, cross spoke design, diameter 1,100 mm. Transmission via chain, wires, traveller and drag-link tubes. Emergency tiller, aluminium.

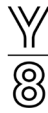
## ELECTRICS

<b>6.1</b>	<b>CHARGER AND INVERTER</b>
	Two independent shore power connections, shore one: 230V/32A/50Hz shore power for charging the service batteries and powering all 230V consumers / sockets. Uninterrupted power supply through inverter with 6.5kW, charging service batteries with 150A at 24V. Shore two: 230V/16A/45-65Hz shore power for charging the service batteries with 100A at 24V.
<b>6.2</b>	<b>DC SYSTEM</b>
	Switch panel 24V at chart table with toggle switches, circuit breakers, bus system for control functions secondary appliances, voltmeters, tank gauges. DC consumers: LED navigation lights, LED anchor light, LED deck light, anchor winch, winches, bilge pumps, water pressure pumps, air vents, toilets, refrigerator, interior lighting, direct and indirect plus reading light. Night lights (red) inside and outside, various USB 3.2A 5V charging point at chart table and all cabins.
<b>6.3</b>	<b>BATTERIES</b>
	24V service battery bank AGM 8x 12V/200Ah for 800Ah at 24V. Dedicated battery bank for headsail furler and bow thruster hi-load batteries 150Ah at 24V with separate DC/DC charger. Individual engine starter batteries for each engine, 2x 12V 95Ah. Individual engine starter battery for generator 1x 12V/95Ah. Separate battery charger for engine starter batteries.
<b>6.4</b>	<b>AC SYSTEM</b>
	Water heater, 230V AC outlets throughout the yacht, power supply via inverter, automatic switch-over from generator / shore power.
<b>6.5</b>	<b>GENERATOR</b>
	FISCHER PANDA 8000i PMS diesel generator, 230V/50Hz, 6,4kW/8,000kVA installed in engine compartment.

## SYSTEM

<b>7.1</b>	<b>GAS SYSTEM</b>
	The yacht features a FORCE 10 gas 4 burner cooker with oven. Gas supply by a remote-controlled magnetic valve. Gas bottle with 5kg capacity stored in a dedicated space in the lazarette. Gas Alarm sensor
<b>7.2</b>	<b>WASTEWATER SYSTEM</b>
	4x electric PLANUS toilet 24V with freshwater flush system. Through-hull fittings and seacocks made of non-corrosive fibre-reinforced high grade marine polyamide. Blackwater hoses are made out of special odour free grade PVC. 4x blackwater tank with capacity approx. 60l each. Discharge possible via own sea cock or deck suction line. 4x greywater transfer boxes.
<b>7.3</b>	<b>FRESHWATER SYSTEM</b>
	Water capacity approx. 1,000l polyethylene, filler on deck. Dual water pressure pump. Semi-rigid pipes with swaged terminals. Water heater, 75l capacity, heated by engine and/or 230V immersion heater. Faucets hot/cold in galley and each head/shower. 1x hot/cold shower on bathing platform.
<b>7.4</b>	<b>BILGE PUMPS</b>
	5x electric bilge pump 24V WHALE Orca 80l/min with automatic float switches in: sail locker, forward cabin, saloon, engine room and lazarette and 1x emergency hand operated pump WHALE Gusher Urchin in cockpit.
<b>7.5</b>	<b>FUEL SYSTEM</b>
	Fuel tank with a total capacity of approx. 1,000l, filler on deck. Tank welded in high grade marine polyethylene.





MISCELLANEOUS	
8.1	<p><b>GENERAL CONDITIONS</b></p> <p>This specification of standard equipment is valid and correct at the time of issue and supersede any previous versions. The specification of standard equipment acts as an attachment to the sail plan, deck drawings and interior layout. The Builder reserves the right to modify or substitute any equipment, materials or components stipulated in this specification with equivalent equipment, materials or components without prior notice. It is in Builder's best interest to guarantee workmanship in highest quality manner and keeping with the best yacht practice for a vessel of this size and in conformity with the specifications and drawings. All right reserved. This specification is a property of the Builder. Any misuse of this specification is prohibited. All measurements are given to best notice and may differ slightly.</p>
8.2	<p><b>DOCUMENTATION</b></p> <p>The Builder will supply useful documentation of the vessel according to applying law.</p>
8.3	<p><b>OWNER'S MANUAL</b></p> <p>The Owner's manual provides guidelines for the correct use of the vessel together with explanations, graphical images and diagrams.</p>
8.4	<p><b>BUILDER'S CERTIFICATE</b></p> <p>The Builder's certificate is handed over, according to the Sales contract, when full payment has been executed.</p>
8.5	<p><b>BILL OF SALE</b></p> <p>The Bill of Sale is handed over, according to the Sales contract, when full payment has been executed. The Bill of Sale verifies that there are no liens on the specific vessel.</p>
8.5	<p><b>DELIVERY CERTIFICATE</b></p> <p>A Delivery certificate is to be signed by both parties at the time of the acceptance of the vessel, the Delivery certificate determines the date of formal transfer of the ownership and start of the warranty period.</p>
8.5	<p><b>WARRANTY</b></p> <p>The general warranty period for the yacht is defined in the sales contract.</p>

To ensure that the Yacht is built in accordance with the preliminary specification Y Yachts undertakes to use the best available materials.

Light ship is the weight of the Yacht, fitted with all the equipment listed in the preliminary specifications without fuel, freshwater, grey-/blackwater, provisions, passengers and crew.

The displacement is subject to change and will increase by the installation on board of additional equipment, options requested by the client and listed as optional equipment or additional components ordered by the Buyer and not included in the preliminary specification.

The weight can increase by the installation of additional options, equipment, different General Arrangement plan, Classification or Flag Administration Compliance requirements and choice of keel options. Materials and equipment described in the preliminary specification may change in accordance with Classification society or Flag State requirements.

The builder reserves the right to adjust the ballast for trimming reasons.

Y Yachts reserves the right to substitute equipment described in the Preliminary Specification with equipment having similar characteristics.



# LAYOUT

