



## #NB202 XSR 85 MOTOR YACHT TECHNICAL SHORT SPECIFICATION

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### GENERAL

YARD NO	NB202
TYPE	Fast Displacement Hull Form
BUILDER	Sarp Yachts
NAVAL ARCHITECT	Van Oossanen Naval Architecture, Netherlands
EXTERIOR STYLIST	Red Yacht Design, Turkey
INTERIOR DESIGNER	Art-Line Interiors, Netherlands
ENGINEERING	Sarp Yachts
DELIVERY	July 2021
CONSTRUCTION	Composite Hull
	Carbonfiber Superstructure
CLASSIFICATION	CE



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### PRINCIPAL DIMENSIONS

HULL	Length Overall	26.00	m
	Length Hull	23.95	m
	Length Waterline	23.86	m
	Beam Moulded	6.46	m
	Beam Waterline	6.02	m
	Draft (Design)	1.19	m
	Draft (Full Load)	1.26	m
TONNAGE	Gross Tonnage	125	GT
	Displacement (Design)	69,40	tonnes
	Displacement (Full Load)	85	tonnes
SPEEDS	Maximum speed (with e-boost)	22	knots
	Cruising speed	12	knots
RANGE	1000 N. Miles approx. @ cruising speed		





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#### TANK CAPACITIES (approx.)

FUEL TANK	7,850	litres
FRESH WATER TANK	2,250	litres
GREY & BLACK WATER	1,250	litres

#### PROPULSION SYSTEM

Praxis Mega-Guard GreenPropulsion Parallel Hybrid System (optional)

MODE	SYSTEM
FULL ELECTRIC	Battery power and electric motor
DIESEL ELECTRIC	Generator power and electric motor
SERIAL HYBRID	Battery plus generator power and electric motor
PARALLEL HYBRID	Battery plus generator power. Shaft driven by electric motor and/or combustion

#### EQUIPMENT

ITEM	BRAND	MODEL
MAIN ENGINES	MAN	2x i6-800 800Hp (588kW) @2300rpm
PHT	ESCOPOWER	2x Parallel Hybrid transmission PHT700A905
E-ENGINE	PRAXIS	2x Green Machine 50kW@1500-3000rpm with GreenInverter
GEAR BOXES	ZF	2x 550-1 V (2.96:1) Reverse Reduction
SHAFTS & PROPELLERS	CJR	2x 5 BLH AB2 NiBrAl 975X1077 mm
	CJR	2x Shaft 80 mm Marinemet 25 Duplex SS 4600 mm
GENERATORS	KOHLER	2x 70EFKOZDJ 70 kW
ELECTRICITY		3-phase, 4-wire and PE system, grounded neutral 230V / 400V, 50 Hz
PMS	PRAXIS	Power Management System, GreenPMS, system for full automation of power plant; including power management, diesel engine control, generator control, generator protection and optional diesel engine safety system. Each generator set is equipped with its own independent and autonomous PMS system.
BATTERIES	VICTRON	3x Li-ion Service Batteries
	VICTRON	2x AGM Starter Batteries
	EXIDE	4x Gel Emergency Batteries
	PRAXIS	2x 50kWh GreenBattery Li-ion Energy Storage System (total 200kwh)
STEERING SYSTEM	DATA	1x Electronic Hydraulic
BOW THRUSTER	SIDE POWER	1x 37 Kw
STABILIZERS (optional)	CMC	1x Stabilis Electra SE60.5.4.100
INTERCEPTOR (optional)	HUMPREE	2x HE950
FUEL SEPARATOR (optional)	ALFA LAVAL	1x MIB 303



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BILGE PUMPS	RULE	Submersible Bilge Pumps for each watertight compartment
	JABSCO	Manuel Bilge Pumps for technical areas.
WATERMAKER (optional)	SCHENKER	1x Modular 150l/h, 500 ppm, 230V
WATER HEATERS	DIKO	2x DTB-50-2-220.1-SS316L 50 l 6 bar, 220V 2.0 kW 50 Hz
FRESH WATER PUMPS	GIANNESCHI	1x GDJ/3 24V+400V, 2800 rpm, 2x50 l/min, 4.2 bar, 230V
WC SYSTEM	TECMA	5x Macerator Toilets Evolution 24V Soft Close
AIR CONDITIONING	VECO	2x 65.000BTU Chiller Units, 380V/50Hz 3 phase with 45.000BTU/h Fresh Air Make-up Unit
ANCHOR WINDLASSES	DATA	1x DZC 1400-2 EPL Windlass 1660 kg, 12 m/min, 3 kW, 380 V
STERN CAPSTANS	DATA	2x DHC 1000 E-PL, 1000 kg, 13 m/min, 2.2 kW, 380
ANCHORS AND CHAIN	ULTRA MARINE	1x 80 kg Delta Type, SHHP Anchor
		14mm Stud link Galvanized Chains, 110 m
DAVIT (optional)	ATLAS	1x 2000 Carbon Portable 500kg SWL
PLATFORM (optional)	OPACMARE	1x 3384.50 Transformer w/pop-out unit, 1300kg SWL
MOORING BITTS, FAIRLEADS		Stainless Steel 316L polished Custom Made
STANCHIONS & RAILINGS		Carbonfiber Custom Made
BIMINI AWNING (optional)	MAKEFAST	1x Electrically Operated Sunroof
WHEATHERTIGHT DOORS	MIMARIN	2x Semi-Automatic Sliding doors for port & stbd. salon sides w/pop-up side guides (automatic optional)
	MIMARIN	1x Manual Zig-Zag Accordion type Aft Door for Salon entrance
	MIMARIN	1x Automatic L type Sliding Door for Sundeck entrance
HATCHES	BOFOR	5x Watertight Hatches

### FIRE & SAFETY

ITEM	BRAND	MODEL
SAFETY		Inflatable Life Rafts x2 Safety equipment according to CE and Flag State
FIRE FIGHTING	STATX	2x 2500E Electric Fire Extinguisher for Engine Room
	STATX	1x 1000E Electric Fire Extinguisher for Battery Room (optional)
	STATX	2x 1000E Electric Fire Extinguisher for Pump Room (optional)
	STATX	2x 500E Electric Fire Extinguisher for Electric Panel Room (optional)
		Portable fire extinguishers located throughout in accommodation Firefighting equipment according to CE and Flag State
AMS (optional)	PRAXIS	Customized Alarm Monitoring System integrated in the INS system for Wheelhouse, Sundeck, Control Room & Crew Mess. Tank levels monitoring, Bilge levels monitoring, Hatches and Doors signals monitoring, Main Engine & Genset data monitoring, Navigation lights control, PMS System control.
	PRAXIS	AMC software on INS Multifunction Workstations, 108 Digital Inputs, 24 Analog Inputs, 60 Software Inputs, 10 Mimic Diagrams
FAS	PRAXIS	Fire Alarm System with 5.7" glass TFT Operator Panel and I/O module for connecting detectors, call points and sounders.



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### TENDERS & WATERSPORTS EQUIPMENT (OWNER SUPPLY)

All leisure equipment is to be supplied by the Owner with respect to the design conditions. Builder will approve the type and dimensions of the subject equipment due to the capacity of the cranes and reserves area dimensions. The Builder is to provide cradles for the subject equipment.

### PAINT SYSTEM

Interior tanks, hull topsides, superstructure topcoat; underwater surfaces will be with full system Boero Yacht Coatings.

### DECK JOINERY & DECK FURNITURE

All deck joinery work shall be solid teak. The final dimensions of the teak planks are to be approved by the exterior designer. Teak planks are to have a thickness of min 10 mm after the final sanding.

Areas to be covered with teak; Sundeck, all Exterior Stairs and all Exterior Decks.

Deck furniture and decoration of the yacht shall be basically in accordance with the specifications and ancillary documents as prepared by the exterior designer. The fixed exterior furniture will be manufactured composite.

### ACCOMMODATION

The yacht has three decks; Lower Deck, Main Deck and Sun Deck. The Yacht is designed and outfitted to accommodate 8 guests and 4 crews; with a total of 12 persons.

### LOWER DECK

Engine Room, Separate Laundry and Storage at the stern. Full-beam Owner Cabin with double bed, vanity desk, and bathroom with separated shower and toilet areas. Port guest cabin with double bed and bathroom with separated shower and toilet areas. Stbd guest cabin with double bed and bathroom. Full-beam VIP cabin on forward with double bed, sitting areas and bathroom with separated shower and toilet areas; which can be convertible to a TV lounge. The lounge provides guests with complete comfort by turning into a cabin if necessary. 2 twin Crew Bunk Cabins with bathroom and Crew Mess on forward.

### MAIN DECK

Sunbeds and lounge chairs with table at the aft deck. Main salon with large sofa, arm chairs, coffee table convertible to a dining table. Galley located at the centre separated with the electric louvres from Guest Lobby with a bar table. Wheelhouse located on forward.

### SUN DECK

Second Station with helm seats, large lounge sofas suitable for dining set-up and bar tables for both sides with bar stools.



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### CURRENT PRODUCTION STATUS

The hull & superstructure constructions are finished. The assembly of the hull & superstructure is done. The teak decking is finished at the main deck. Lower deck and main deck plumbing and wiring are done. The interior furniture is 30% finished; installations are on progress. The overall production is 58% finished.





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