SUNREEF 60 SAILING

Length overall:	18,40m
Beam overall:	10,20m
Main engines:	2x 175hp
Fuel capacity:	2x 500L
Water capacity:	1x 800L
Mast length	25,4m
Fully battened main sail	110m^2
Genoa	90m^2
Number of people (category A):	12

1- MODEL VERSION

1.1 Sunreef 60A Galley down in the hull (Master cabin + 2 Guest cabins + Crew cabin)	
1.2 Sunreef 60A Galley down in the hull (Master cabin + 3 Guest cabins + Crew cabin)	
1.3 Sunreef 60A Galley up (Master cabin + 3 Guest cabins + Crew cabin)	1
1.4 Sunreef 60A Galley up (Master cabin + 4 Guest cabins + Crew cabin)	

FEATURES INCLUDED

Standard

Hulls, deck, flybridge and all structural bulkheads constructed of E-glass sandwich laminate with reinforcement by infusion process. Hull outer osmosis protection in vinylester resin
Aft platform
Front terrace

2- RIGGING AND SAILS

Standard

Aluminum mast and aluminum boom
Lazy jack and lazy bag
Fully battened main sail made of Dacron 1st choice, cross cut, 2 reefs
Genoa double pleated made of Dacron 1st choice with manual furling

Options

2.1	Carbon mast performance and Carbon boom	
2.2	Fully battened mainsail hydranet top square	
2.3	Hydranet genoa	
2.4	Solent 1st choice double pleated Dacron (need option 2.9)	
2.5	Solent hydranet (need option 2.9)	
2.6	Gennaker polyester (need option 2.8)	1
2.7	Code 0 PX Black (needs option 2.8)	
2.8	Complete gear for Gennaker/code 0, including electric furler	1
2.9	Complete gear for Solent, including electric furler	
2.10	Electric furling system for Genoa	1

3- MECHANIC

Standard

2 complete engines Nanni N4.140 (135 hp) with shaft line
Stainless steel shafts
2 fuel tanks of 500L each
1 engine speed controls (on flybridge)
Hydraulic steering system
Manual fire extinguishing system in engine rooms
Rope cutters on both propeller shafts

Options

3.1	Folding propellers for Nanni N4.140 (135 hp) engines	1
3.2	Upgrade of fuel tanks to 2x 875L (from 2 x500L)	1
3.3	2 electric pumps for changing the oil for engine and transmissions	
3.4	Bow thruster (1pc)	1
3.5	Fuel consumption estimation system (for Volvo engines)	
3.6	Extra engine instruments including speed control at the navigation table	1

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4- DECK GEAR

Standard

Bimini on the flybridge (stainless steel) with fabric top
Bow pulpits
Manual gangway
Port lights
1 swim ladder on the skirts
4 manual winches
Blocks and jammers
Genoa manual furler
Deck light
Hatch at the top of the stairway between cockpit and flybridge
Hydraulic platform 500kg capacity

Options

4.1	Upgrade to composite roof for stainless steel bimini	1
4.2	Upgrade to composite hard top bimini on the flybridge with integrated lights	
4.3	Bimini windshield - transparent canvas only for the front	
4.4	Bimini windshield - transparent canvas for 3 more sides (requires option 4.2)	
4.5	Cockpit windshield - transparent canvas	1
4.6	Upgrade to all electric winches	1
4.7	2x electric capstans for mooring	1
4.8	Upgrade to hydraulic gangway (only single genset installation possible)	1
4.9	Cover kit (Steering wheel, Nav station, Fly table)	
4.10	Hydraulic platform 700kg capacity	1
4.11	Hydraulic platform 1000kg capacity	

5- ELECTRICAL SYSTEMS

Standard

AC-230V, 50Hz 1ph: main switchboard, 1 Victron Quattro Charger/Inverter 24V/5000W/120A, shore power inlet (32A 230V 50Hz inlet), shore power cord (1x 20m 3-cond), one 230V socket per cabin, 2x saloon, 2x dining area, 2x galley, 2x USB socket in each cabin and 2x in saloon

DC-25.6V: main switchboard, 11,2 kWh Lithium batterie bank (25.6 Volts), starting batteries, DC distribution, wiring
Additional Charger for engine starting batteries, one on each side

Options

5.1	AC-230V 50Hz 1PH Change from standard to: main switchboard with semi-automatic change over shore-generators), 3 chargers (24V/100A), inverter (220V/50Hz/5000W), 2x shore power inlet 63A, 3x socket 230V in cabins, 4 in saloon, 4 in dining area and 4 in galley, 2xUSB socket in each cabin and 2x in saloon	1
5.2	DC-25.6V Lithium batterie bank upgrade from 11,2 kWh to 22,4 kWh including one additional 100 A charger	
5.3	Night-Mode DC-25.6V Lithium batterie bank upgrade from 11,2 kWh to 56 kWh including upgrade of charger and 230 Volts inverter	
5.4	Additional Inverter 120V/ 60Hz/ 3000W + 10 Sockets	
5.5	Additional Inverter 230V/ 50Hz/ 5000W (only with option 5.1)	
5.6	Additional second Victron Quatro Charger/Inverter 24V/5000W/120A (not applicable with 5.1)	
5.7	Upgrade option 5.6 to Victron Quatro Charger/Inverter 24V/8000W/200A (not applicable with 5.1)	
5.8	Additional Charger Skylla 24V/100A (only with option 5.1)	
5.9	Upgrade Shore power inlet to 2x 63A (not applicable with 5.1)	
5.10	2 alternators 24V, 75A each	1
5.11	Generator 17,5KVA, 50Hz, 230V	
5.12	Generator 19KVA, 50Hz, 230V	1
5.13	Generator 22,5KVA, 50Hz, 230V	
5.14	Second Generator 11KVA, 50Hz 230V	
5.15	Solar panels (price per kWp)	
5.16	Wind turbine 450W (silent wind)	

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6- LIGHTS

Standard

Interior spots lighting with LED lamps only
Navigation lights with LED lamps
Lights in the engine rooms
Spot lights on front terrace deck and cockpit ceiling

Domotic system for lights, controls, and D/C system, including dimmers for ceiling lights (Domotic system function:
Control:
- Lighting with dimming
- Navigation lights
- Black water pump
Measurement:
- Tank level monitoring with alarm: fresh water, black water, fuel
- Battery and Victron charger monitoring with alarm: starter/ main batteries bank/ emergency batteries, (if installed)
- Measurement of temperature in the engine room)

Exterior lighting package - underlighting of fixed furniture on flybridge and cockpit - LED stripe in white; cockpit ceiling two LED stripes surrounding in white; LED white stripes on skirts)

Options

6.1	Underwater lights LED, one color to be chosen along with localization: white or blue (price per unit)	2
6.2	Underwater lights LED RGBW - localization to be chosen (price per unit)	
6.3	Mast LED courtesy lighting (one color to be chosen - white or blue)	
6.4	Secret lights (possible with fixed table), price per unit	

7- NAVIGATIONS & ELECTRONICS

Standard

Compass (size 135mm)
Chronometer and barometer

RAYMARINE: 2x Axiom 12', Radar RD424HD 24" 4kW 608mm digital radome radar, evolution autopilot, AIS700, depth, speed & temp sensor, wind sensor, GPS, Ray90 VHF with dual station, searchlight + control unit, fog horn

Options

7.1	Upgrade to RAYMARINE: 2x Axiom XL 16', Radar RD424HD 24" 4kW 608mm digital radome radar, evolution autopilot, AIS700, depth, speed & temp sensor, wind sensor, GPS, Ray90 VHF with dual station, searchlight + control unit, fog horn	1
7.2	Fishfinder	
7.3	Satellite Communication System Fleet One Cobham Sailor (including 3 years unlimited satellite data (speed 150 Kb/s) when out of GSM range and GSM data 3 and 4G (5GB/month high speed then unlimited 80Kb/s) in 145 country including Caribbean and 1000 Min voice via satellite	
7.4	Upgrade of option 7.3 with 1TB Data Pack GSM 3 and 4G High speed (To be used within 24 Months)	
7.5	Satellite Communication System Inmarsat Fleet Xpress (Antenna Cobham Sailor 60GX and Cobham Sailor Fleetbroadband 250) This pack allows to have unlimited monthly data subscription worldwide by satellite with possibility of streaming on a very low cost	
7.6	Satellite TV Antenna KVH TV6	
7.7	External analog camera (minimum 2pcs)	2
7.8	5G/LTE Wifi worldwide including antenna, modem and router	

8- PLUMBING

Standard

Fresh water: 1x 800L equipped with level indicators, 1 pressurized pump, 2 water heaters of 80L each

Black water: 1x 170L with 1 deck filler outlet accessory to ISO 8099, 1 electric pump, each tanks with discharge system, 1 electric pump
4 electrical bilge pumps
2 manual bilge pump
hand shower on deck
1 pressurized fresh water outlet on cockpit (female quick-coupling snap connector)
Electric toilets 24V in bathrooms with fresh water flush
Fresh water inlet (Connection between the boat's water network and the shore water supply)
Fresh water outlet for washing the deck (female quick-coupling snap connector)
Retractable hose (5mb) with shower head in chain locker for chain wash

Options

8.1	Watermaker 95l/h - 24V	
8.2	Watermaker 280l/h - 230V	1
8.3	1 grey water tank 500L with electric pumps of additional extraction and piping installation	
8.4	Upgrade of blackwater tank to 1x 500L	1
8.5	Sea water pump for washing the deck	
8.6	Shower head on the cockpit ceiling with mixing valve	
8.7	Additional Bilge pump in both forepeaks	1

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9- COMFORT ON BOARD

Standard

Galley appliances package (dishwasher, cooker hood, electric oven, electric stove, stainless steel microwave)
Refrigerator with freezer 221L (220V) in galley
Curtains and backdrop for entrance door
Manually concealed skyscreen on cabin ceiling hatches
Flybridge cushions set + flybridge mattresses + 20pcs of decorative pillows
Cockpit and front deck mattresses + 20pcs of decorative pillows

Options

9.1 Generalities

9.1.1	All manually recessed Skyscreen blinds	
9.1.2	Electrically recessed blinds in the saloon, master cabin and nav station (manual in the cabins)	1

9.2 Electrical appliance

9.2.1	Air conditioning 70 000 BTU/h	
9.2.2	Air conditioning 100 000 BTU/h	1
9.2.3	Air conditioning 120 000 BTU/h (new technology ultra efficient – Energy Saving)	
9.2.4	Ventilator set in each cabin	1

9.3 Leisure items

9.3.1	Widescreen LED TV 43” with installation (saloon)	
9.3.2	Widescreen LED TV 55” with installation (saloon)	1
9.3.3	LED TV 32” with installation (price per cabin)	1
9.3.4	Terrestrial TV antenna	1
9.3.5	Lifting system up/down (if possible depend on layout) (in saloon)	1
9.3.6	Hi-Fi Pack 1: for saloon or/and outdoor	
9.3.6.1	Yamaha Home Cinema Receiver 7.2 + 5x ceiling speakers + 1x active subwoofer	1
9.3.6.2	2 waterproof speakers in the cockpit and 2 on flybridge	1
9.3.6.3	2 waterproof speakers in the front deck	1
9.3.7	Hi-Fi Pack 2: (price per cabin)	
9.3.7.1	Yamaha Power Network Receiver + 2 speakers	
9.3.8	Electric diving compressor 100L/min 90-330bar	
9.3.9	Safe (price per unit)	1
9.3.10	Washing machine/dryer with complete installation	1
9.3.11	Wine cooler in the saloon	1
9.3.12	Cockpit bar module without top hatch	1
9.3.12.1	Sink with retractable faucet for the bar module	1
9.3.12.2	Ice maker for the bar module	1
9.3.12.3	Low fridge for the bar module	
9.3.13	Flybridge bar module without top hatch	1
9.3.13.1	Sink with retractable faucet for the bar module	1
9.3.13.2	Ice maker for the bar module	
9.3.13.3	Low fridge for the bar module	1
9.3.13.4	Electric Stainless Steel BBQ	1
9.3.14	Jacuzzi on the flybridge for 4 people - Sunreef Design	

10- FINISHING

Standard

Design fee (one day with interior design + 3 renders) saloon + Owner cabin + bathroom
Furniture and all interior panels made of individually selected paint color
All upholstery and cushions made of synthetic fabric
Black aluminium sliding entrance door
Accessories with chrome finishing
Bathrooms walls to be finished with glossy gelcoat + one wall with sintered quartz
Owner’s cabin: 1 storage with shelves, 1 storage with hangers, 2 night shelves, bed 160x200
Guest cabins: storage, 2 night shelves, bed 160x200
Crew cabin: storage, night table, bunk bed
Saloon: fixed dinning table, sofa, coffee table, chair under navigation console
Movable furniture: 5 saloon dining chairs, 4 cockpit dining chairs, cockpit dining table
Bathroom equipment (per bathroom): 1 towel rail, 2 hangers, 1 toilet brush, toilet paper holder depends on layout
Vinyl floor in saloon and cabins
Interior upholstered wall and ceiling panels in skai
Hull and deck in white gelcoat

[redacted]

Options

10.1	Upgrade of wood from category A to category B	
10.2	Upgrade of wood from category A to category C	
10.3	Cockpit and skirts floor covered with teak	1
10.4	Deck covered with teak and installed flush hatches	1
10.5	Flybridge covered with teak	1
10.6	Side of hulls painted in colored gelcoat (light colors)	1
10.7	Side of hulls lacquered	
10.8	Side of hulls in metallized lacquer	
10.9	Fitted forepeak (bed + bathroom) with composite painted wall, with bilge pump (only with version 1.1 & 1.3)	1
10.10	Stainless steel sliding door	
10.11	Air conditioning for forepeak (requires air condition installation)	1
10.12	Accessories with brushed finishing	
10.13	Accessories with black or white finishing	
10.14	Bathrooms walls to be finished with mat gelcoat + one wall with sintered quartz	
10.15	All bathroom walls to be finished with sintered quartz	
10.16	One wall in the cabin with mirrors	

11- SAFETY EQUIPMENT

11.1	Adaptation to commercial requirements MCA Small Craft Code (MGN 280 (M) Cat 2) (needs option 11.4)	
11.2	Adaptation to commercial requirements Malta Commercial Code 2015 - Sea area 2 (Maltese flags) (needs option 11.4)	
11.3	Automatic fire extinguishing system in the engine rooms (included in commercial adaptation)	1
11.4	Complete rescue equipment with life-rafts for 12 persons	1
11.5	EPIRB (included in commercial adaptation)	
11.6	Gas detection system + alarm (included in MCA)	

12- MOORING & TOOLS

Standard

Windlass REGAL 2300W, 24V
Galvanized anchor CQR 66kg
80m chain (diameter 13mm DIN)
Additional anchor 20kg + 20m galvanized chain (diameter 10mm)
50m tow line
Mooring kit (8 fenders + 4 mooring ropes)

Options

12.1	Windlass upgrade to REGAL 3000W + 100m chain (diameter 13mm DIN)	1
12.2	Upgrade to Anchor 80kg UA (only with option 12.1)	1
12.3	Shroud cutter (included in MCA)	

13- STEERING SYSTEM

Standard

Rudders constructed of a moulded sandwich lamination glass/ vinylester
Rudder stocks are made of aluminum alloy
Self-aligning lower and top bearings
5-spoke steering wheel (diameter 800mm)
Hydraulic steering system
2 emergency tillers
Rudder alignment system

Options

13.1	Y-spoke carbon steering wheel 1000mm	

14- LAUNCHING

Antifouling (with Epoxy primer)
Launching, name and hailing port inscriptions, Polish export fees

[redacted]

Options

14.1	Sunreef representative on board for 3 days, till Kiel Channel (incl. crew return travel cost)*	
14.2	Sunreef representative on board for 10 days (excluding crew return travel costs which need to be paid in advance)*	
14.3	Sunreef representative on board for 20 days (excluding crew return travel costs which need to be paid in advance)*	
14.4	Sunreef representative on board for 30 days (excluding crew return travel costs which need to be paid in advance)*	

** Options 14.1-14.4 refundable if not available at the time of delivery*

** Options 14.1-14.4 each additional days is invoiced 300 euros*

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