

80 SUNREEF POWER

Preliminary Specification



Lenght overall:	23,8 m 80 ft
Breadth overall:	12,0 m 39 ft
Lightship displacement:	65 T
Draft maximum (lightship):	1,25 m
Main engines:	ENGINE 2x MAN 1200hp with pair of propellers
Fuel capacity:	2x 8000L (total 16 000L)/ 4226 US Gal
Water capacity:	2x 800L (total 1 600L) / 422 US Gal
Black water tank:	1x500 L / 132 US Gal
Number of people (category A):	12+4

MODEL VERSION:

80 Sunreef Power – layout tbd

1. FEATURES INCLUDED

- 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
- Navigation station in the saloon
- Hydraulic aft platform upgrade to 1200kg (platform covered with the teak)

2. MECHANICS AND STEERING SYSTEM

- 2x Complete Engines MAN 1200hp with pair of propellers instead of 575hp John Deere
- Stainless steel shafts
- Engine speed controls (on the flybridge)
- Engine room sound insulation
- Extension of fuel tanks to 2x 8000L (from 2x 5000L) - total fuel tanks 16 000 L (4226 US Gal)
- 2 electric pumps for changing the oil
- Anti-vibration system (thrust bearing with CV joint)
- Bow thrusters (2 pcs)
- One or two (depend of engine model) extra engine instruments at the navigation table + engine control
- Trolling valves on gearboxes
- Water sensors for fuel filters
- Rope cutters on the propeller shafts

3. DECK GEAR

- Hydraulic gangway
- Flush hatches on deck
- 1 swim ladder on the skirts
- 2 aft capstans for mooring
- Garage for Jetski above the platform
- Composite hard top bimini on the flybridge with openable roof and integrated lights
- Rigid wave breaking window on flybridge
- Shower head on the cockpit ceiling with mixing valve
- Covers set (navigation station, flybridge tables)

4. ELECTRICAL SYSTEMS

- AC-230V: main switchboard, Victron Quattro 24V/5000W/120A, shore power inlet (32A 230V 50Hz inlet), shore power cord (1x 20m 3-cond), one 230V socket per cabin, two 230V socket in salon, dining area and kitchen
 - UPGRADE: AC-230V 50Hz 1PH: main switchboard with panel extension (semi-automatic change over shore-generators), 2 chargers (24V/100A), inverter (220V/50Hz/5000W), 2x shore power inlet 63A, 3x socket (230 V) in cabins, 4 sockets in saloon, 4 in dining area, 4 in galley
- DC-24V: main switchboard, house batteries (24V/800Ah), 2 starting batteries, DC distribution, wiring
 - Upgrade DC-24V: main switchboard, upgrade to 1200Ah from 1000Ah, 12 house batteries
- Additional Inverter 230V/50Hz/5000W
- Additional Charger Skylla 24V/100A
- Additional Charger for engine starting batteries, one on each side
- 2x alternator 24V/110A
- Generator 1x 27 KVA
- Additional Generator 27KVA

5. LIGHTS

- Lights with LED lamps
- Domotic system for lights, controls, and D/C system, including dimmers for ceiling lights

(Domotic system function):

Control:

- Lighting with dimming
- Navigation lights
- Control of valves and pumps of black water

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

- Lights in the engine rooms
- Interior lighting with LED lamps
- Underwater lights LED, one color to be chosen: white or blue (price per unit), 6 PCS
- Exterior lighting (frontal deck lights, lights for the flybridge with separate switch, LEDs in skirts' stairs, cockpit and flybridge, lights in cockpit)

6. NAVIGATION & ELECTRONICS

- Compass (size 135mm)
- Chronometer and barometer
- NAVIGATION PACK - SIMRAD: 2pcs MFDs 16", radar 4G, autopilot, AIS, depth, speed & temp sensor, GPS, VHF with DSC function (dual station, built in AIS receiver, Hailer/Horn Loudspeaker, Intercom function), searchlight + control unit
- 2x External cameras with color and night vision
- Fishfinder
- Wireless autopilot controller
- 4G/LTE Wifi antenna

7. PLUMBING

- Fresh water: 2x 800L with level indicators, pressurized pump, 2 water heaters of 100L each
- Black water: 1x 800L tank with pump discharge system, electric pump with automatic discharge equipped with 3 way valves (discharge in the sea or holding tanks)
- 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
- Watermaker 280l/h – 230V
- Fresh water inlet (connection between the boat's water network and the shore water supply)
- 2x fresh water outlets for washing the deck
- Retractable hose (5mb) with shower head in chain locker for chain wash
- Additional Bilge pump in both forepeaks

8. COMFORT ON BOARD

- Curtains on all cabin portlights and saloon windows
- All electrically recessed Skyscreen blinds
- Air conditioning installation in the saloon, galley and cabins: 180 000 BTU/h
- Galley appliances package (Bosh or/and Siemens): refrigerator with integrated freezer, dishwasher, electric stove, electric oven, microwave, cooker hood
- Sunpads area on aft flybridge
- Stainless steel sliding entrance door
- Pantograph electric door to front deck
- Washing machine/dryer with complete installation
- Ice maker
- Refrigerator for drinks in the cockpit
- Wine cooler for 32 bottles

- 2x Widescreen LED TV 55" with installation (for saloon and master cabin)
- Lifting system up/down (if possible depend on layout – for master cabin)
- Lifting system for TV under ceiling with swivel (TV up to 55" - for saloon)
- Digital Cloud (wifi network for movies and music)
- Hi-Fi Pack 1: for saloon or outdoor
 - Heos by Denon Surround 5.1 (Dali Subwoofer + Heos Avr with ceiling speakers)
 - 2 waterproof speakers in the cockpit and 2 in the flybridge
 - 2 waterproof speakers in the front deck
- Hi-Fi Pack 2: (price per cabin)
 - Heos AMP by Denon, with ceiling speakers visible or under upholstery - 1PCS for master cabin
- Hi-Fi Pack 3: (price per cabin)
 - Heos 3 by Denon – 5PSC for guests cabins and crew cabins and crew quarter in galley
- LED TV 32" 4PCS – one per guest cabin and crew quarter in galley
- Multifunctional full-size rest-lounge with foldable backrest
- Front deck full-size cushion
- Jacuzzi on the flybridge with waterfall and lightning system
- Bar module on flybridge plus bar chairs around the jacuzzi
- Bar module in cockpit
- Stainless steel gas BBQ
- Jet ski launching system for garage

9. INTERIOR AND FINISHING

- Furniture and all interior panels made of individually selected wood of category A with laminate finish
- All upholstery and cushions made of synthetic fabric
- Design fee (1 day with interior design + 2 renders) saloon + Owner's cabin
- Cockpit and skirts covered with teak
- Deck covered with teak
- Flybridge covered with teak
- Hydraulic platform covered with teak
- Side of hulls with metalized or mat foil (color to be decide by customer)
- Fitted forepeak – 2PCS (for both forepeaks)
 - Comfort: bed and bathroom with composite painted wall
 - Air condition for forepeak (need air condition installation)

10. SAFETY EQUIPMENT

- Automatic fire extinguishing system in the engine rooms
- Complete rescue equipment with life-rafts for 16 persons
- Gas detection system + alarm
- EPIRB

11. MOORINGS

- Windlass 3500W 24V
- Anchor CQR 90kg + 80 m galvanized chain (diameter 13mm)
- Additional emergency anchor 20kg + 20m galvanized chain (diameter 10mm)
- Mooring kit (8 fenders + 4 mooring ropes)
- 50m tow line

12. STEERING SYSTEM

- Hydraulic steering system
- Steering wheel
- 2 emergency tillers
- Bronze rudders

13. LAUNCHING AND SEATRIALS

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