



## Linssen Yachts Standard Equipment

### Linssen Grand Sturdy 45.1 AC

Item	Description	Page
------	-------------	------

1

#### BASIC DATA

01010.05	Type code	: 11G
	Construction	: SPH®(patent pending) (Softchine Prestressed Hu
	Bottom/hull/decks/superstructure	: 6/5/4/4 mm.
	Weight/displacement	: ±20.000 kg / ±20 m <sup>3</sup>
01020.05	LOA x beam x draft	: ± 13,98 x 4.35 x 1.20 m.(single engine version) : ± 13.98 x 4.35 x 1.22 m. (twin engine version)
	Length over deck	: ± 13.23 m.
	Length waterline	: ± 12.00 m.
	Minimum air draft	: ± 2.93 m.
	Headroom FC/saloon/AC	: ± 1.97/2.01/1.99 m.
01025.01	Stainless steel plate with indicative air drafts and theoretical dimensions at the steering position	
01030.03	CE-classification	: B (sea)
	Number of max. recommended persons	: 10
13010.33	Engine	: 1x 4 cyl. Yanmar Diesel, type 4LV150 ZF 68 / 2,783 : 1 110 kW (150 HP), 3500 rpm
	Alternator	: 130A-12V
03040.01	Fuel tank capacity	: ± 1x 1080 ltr.
	Water tank capacity	: ± 440 ltr.
	Holding tank capacity	: ± 300 ltr.
41001.01	Aft cabin with double berth, toilet compartment with washbasin, separate shower compartment and walk-in closet	
42001.01	Saloon with U-settee at SB-side (incl. easy sleep convert function). Separate dinette at Port side. Spacious U-shaped galley.	
43001.01	Forward cabin with double berth and cupboards, toilet compartment and separate shower compartment. Guest cabin with 2 single beds with drawer and linen cupboard	

## 1. HULL

### 1.1 EXTERIOR

11015.01	Hull constructed in accordance with the Linssen Yachts SPH® construction method
11020.01	Stainless steel foundation for windscreen
11025.02	Outside steering position with high-grade "Soft Coat" instrument panels
11030.01	Integrated moulded aft deck dodgers
11040.02	Integrated U-shaped deck-boxes with lockable teak top and gas-pressure struts
11080.01	Integrated central stern door to bathing platform

### 1.2 STAINLESS STEEL

12010.01	Polished stainless steel sea rail
12020.01	Side entrances with stainless steel entrance chains
12030.01	Opening in sea rail at the bow (lockable with stainless steel chain)

## Linssen Grand Sturdy 45.1 AC

Item	Description	Page
------	-------------	------

2

12050.03	8 x Original Linssen-design stainless steel cleats	
12055.01	2 x Original Linssen-design stainless steel cleats at the bathing platform	
12080.01	Stainless steel handrails on saloon deck	
12120.01	Solid teak step to bathing platform with railing on Port and SB side	
12125.01	Teak step in side decks	
12130.01	Polished stainless steel foldable bathing ladder at bathing platform (incl. solid teak steps with anti-slip profiles)	
12145.02	Robust, stainless steel coated bathing platform, with solid teak parts (including Heavy Duty Linssen PVC fendering from bathing platform to 1/3 of the hull length)	

### 1.3 TECHNICAL

13030.01	Linssen DUAL CROSS engine foundation	
13040.01	Linssen "FIS" system (patent Floor Integrated System®) for integral protected loop-up of cables and ductings in the engine compartment	
13061.04	Provisions for sternthruster incl. main power cables	
13080.03	Provisions for deck-wash pump	
13110.01	Outside shower at bathing platform, with warm and cold water tap	
13150.02	Integrated bow fitting with fixed anchor roller and stainless steel anchor holder	
13240.01	Selfdraining seawaterproof anchor chain container	
13270.02	Provisions for installation of a Linssen tender lift at bathing platform	
13280.01	Waterproof speakers for radio at outside helm station	

## 2. COATING

### 2.1 COATING & DECK FINISH

21010.01	Linssen 2 component Exterior Coating system	
21020.01	Saloon and cabin deck in anti-slip coating	
21030.01	Fore-deck and side decks in anti-slip coating	
21040.01	Aft deck in anti-slip coating	
21060.01	Non-toxic antifouling suitable for fresh and salt water (Black colour)	
21070.01	Additional 2-component easy-to-clean protective coating in engine compartment	
21090.19	Original Linssen colour scheme:	
	Superstructure and hull	: Sand Beige
	Waterline	: Dark Green
	Antifouling	: Black
	Rope fender	: Beige
	Canvas and covers	: Sunbrella Marine Papyrus
	Glass windows saloon	: "summer green" tinted

### 2.3 INSULATION

23010.01	Thermal and acoustic insulation of the hull and superstructure using rock wool (25 mm thick)	
23050.01	Specialised thermal marine coating applied to the interior of the yacht on top of the epoxy primer layer. This coating prevents condensation and contributes a comfortable and stable interior climate.	

Linssen Grand Sturdy 45.1 AC

Item	Description	Page
------	-------------	------

**3. ENGINE COMPARTMENT**

**3.1 TECHNICAL**

- 31010.23 Linssen Yachts "hydrolubricated" propeller shaft installation
- 31020.21 Engine/shaft connection through homokinetic coupling and thrust bearing
- 31025.31 Special low noise propeller
- 31032.09 Electric bowthruster Sleipner-Side power 24V/170 kgf (8 kW / 10,7 HP)
- 31070.05 Electronic engine control at steering position
- 31100.01 Hydraulic steering sytem
- 31095.02 Teak steering wheel at outside steering position
- 31120.01 Emergency steering installation
- 31150.13 Central positioned fuel tank with inspection/cleaning hatch, incl. level indicator ( $\pm$  1080 litres)
- 31160.03 Magnetic level gauge in fuel tank for direct volume indication
- 31170.05 Separate second (1x on engine) fuel filter, with water separator
- 31210.01 Fuel supply cut-off to engine from saloon settee
- 31240.07 Linssen Compartment Controlled Heating with separate day/night function: 1x 5.5kW warm air heating for saloon and galley with control in saloon and 1x 5,5kW for FC/day toilet/AC/AC toilet/guest cabin with control in the AC. Lockable outlets in FC, guest cabin and toilet compartments
- 31240.98 All pipes in the ship to be fitted with isotemp insulation sleeving. This increases the heating capacity by more than 1kW for extending your season.
- 31310.01 Engine room lighting
- 31330.01 Engine compartment hatch, with a ladders next to the engine
- 31700.03 Automatic fire extinguishing in engine room with smoke detector and the possibility of manual extinguishing from the saloon.
- 31750.01 Linssen super sound insulation package consisting of a sound absorbent insulation and a non vibration package.

**3.2 ON-BOARD WATER SYSTEMS**

- 32010.02 Automatic pressurized water system (incl. solid PVC water tank with inspection/cleaning hatch ( $\pm$  440 litres), incl. analogue level indicator in switch panel)
- 32020.01 2 Automatic pumps including expansion reservoir for water system
- 32035.01 Drainage point for outdoor shower for winter preparation
- 32035.02 Compressed air connection to empty the onboard water system.
- 32050.04 Hot water system (60 litre calorifier)
- 32060.01 230 V./800W immersion heater in calorifier
- 32080.03 Holding tank toilet including Dockside-Discharge connection and level indicator ( $\pm$  300 litres)
- 32095.01 All grey water outlets (sinks and shower-drainage) discharge directly overboard  
Drain pump(s) shower(s) finished with switch-off delay
- 32110.02 Holding tank waste pump-out unit for Direct Discharge
- 32180.02 Electric bilge pump installation in engine compartment, with float switch for alarm. Manually switched. Bilge pump capacity: 100L/min.
- 32200.01 Additional loose electric bilge pump provided, with discharge tube and supply cable

## Linssen Grand Sturdy 45.1 AC

Item	Description	Page
------	-------------	------

### 3.3 ELECTRICAL & ELECTRONICS

33022.01	Linssen Yachts ICCES system with two switch panels in the saloon and helm, featuring a remote-controlled main power switch. For monitoring and operating key functions and displaying voltage and fluid levels.
33030.01	230V. /16Amp shore power connection, incl. galvanic insulator, earth leakage circuit breaker and automatic fuse protected end groups with indication and shore power cable (25 metres)
33050.21	Shore power connection equipped with a galvanic insulator for an optimal separation between domestic & shore power
33090.04	Domestic circuit 12 V. for all other functions, equipped with three 12.8 V / 200 Ah lithium iron phosphate (LFP) batteries, delivering a gross capacity of 7.6 kWh. An automatic battery monitoring warns when 30% of power remains and switches off when 20% of power remains to protect the battery from damage due to deep discharge.
33149.01	Starting circuit 12V, to which only the main engine is connected, equipped with 1x maintenance-free Exide EM1000 AGM battery 50A.
33225.11	Service-circuit 24 V, to which only the bow and stern thrusters and anchor windlass are connected, equipped with 2x maintenance-free Victron AGM DeepCycle 110A battery.
33230.03	Additional battery charger for service-circuit
33271.03	Automatic battery charger/invertor type Victron Quattro 12/3000 with battery monitor. The battery charger for charging the on-board and starting circuit has a maximum charging current of 120A. The maximum output power of the inverter is 3000W.

### 3.4 INSTRUMENTS & NAVIGATION

34010.21	Engine instrument panel with rev.counter, voltmeter with alarm, temperature gauge with alarm, oil pressure gauge with alarm, ignition key and engine hour meter
34030.02	Compressor horn with control at steering position
34050.02	Government approved LED navigation lights: Starboard and Port side on superstructure, stern light, top light in mast and anchor light
34070.01	Spare wiring for compass/windset

#### 3.4.1 NAVIGATION INSTRUMENTS

34080.14	Raymarine i70S multifunction instrument with read out from echosounder, log and outside water temperature at steering position
34090.16	Rudder indication on Raymarine Axiom display at steering position
34125.01	Raymarine Axiom+ 7 multifunctional display
34140.03	Navionics Gold XL9 marine chart type 46XG, West Europe

### 3.5 EXTERIOR EQUIPMENT HULL

35010.03	Aluminium anodes for fresh and brackish water
35030.01	Original Linssen synthetic-fibre rope fender, with stainless steel stretcher (Beige colour)
35040.01	Ships name on bow and stern. Port of Registry and Registration number on stern in colour of the waterline Bow letter type; Snell Roundhand. Stern letter type; VAG
35081.23	Manual anchor winch with integrated Heavy Duty stainless steel anchor roller and Linssen patented anchor rail. Including 30m 8mm. anchorchain and 20 kg. Bruce anchor

### 3.7 EXTERIOR EQUIPMENT SUPERSTRUCTURE

37010.03	Windscreen wiper installation windscreen (3x)
37020.50	Windscreen wiper installation with synchronous and 3 step interval function. In the interval mode, the wipers run synchronously and are self-parking.

## Linssen Grand Sturdy 45.1 AC

Item	Description	Page
37040.03	Window spray-installation windscreen for three wipers including wipe-wash function	
37070.04	Original Linssen Design mast, with double yard, powder coated in superstructure colour	
37075.02	Stainless steel mast stays with quick release system	
37110.19	Helm-seat in Maglia Oak, on stainless steel adjustable support.	
37180.01	Linssen Grand Sturdy logo	
37245.01	Teak deck box joint, table model	
37261.02	Teak sliding hatch	
37271.11	Entrance door, coated in superstructure colour	

### 3.8 WINDOWS

38010.01	All windows to saloon in powder anodised aluminium profiles, incl. toughened "Summer Green" tinted glass
38040.02	Hinged Starboard window in forward saloon, with "summer green" tinted glass
38070.02	Sliding window in saloon at Port side, with "Summer Green" tinted glass
38295.01	Windows in the aft cabin in aluminium profiles, "summer green" acrylate with 2 folding windows.
38300.06	6 x opening port-holes in the forward cabin, with plain acrylate
38405.01	Aluminium ventilation/escape hatch with clear acrylate in front cabin.
38412.01	Aluminium ventilation/escape hatch, clear acrylic in centre cabin and toilet compartment.
38422.01	Aluminium ventilation/escape hatch with clear acrylic in aft cabin.
38430.01	5-part aluminium windscreen with anodised profiles, with "Summer Green" tinted/toughened glass fitted on coated stainless steel foundation

## 4. INTERIOR

### GENERAL

40010.01	Linssen panels FPS® (Floating Panel System, Patented)
40020.03	Interior constructed of high-end okoumé panelling with nautic walnut HPL finish
40025.18	Interior style 'Sandstone Serenity': A warm and elegant design with taupe accents, exuding tranquillity and sophistication.
40030.02	Deck-head lining in elegant vinyl finish panels
40040.01	Original Linssen maintenance friendly ship's floor, "Walnut Blush" color. Hatches in aisle to FC finished with hinges
40050.02	High gloss stainless steel fittings in all compartments
40060.02	High gloss stainless steel door and locker furniture, with push-button catches

### 4.1 AFT CABIN

41021.01	Double berth, with slatted base including spacious drawers underneath bed
41031.01	Bedside table at Port side
41041.01	Bedside table at Starboard side
41051.01	Soft paneling AC against transom
41412.01	Soft paneling AC at SB side
41101.01	Spacious hanging locker on Port side
41111.01	Dressers in the aft cabin, at saloon wall

### 4.1.2 SHOWER AND HEADS COMPARTMENTS

41062.01	Toilet compartment in the aft cabin in HPL finish
41071.02	Washbasin in aft toilet-compartment, built into vanity unit. Worktop and wash basin in toilet compartment finished in original Corian® "Matterhorn"

## Linssen Grand Sturdy 45.1 AC

Item	Description	Page
------	-------------	------

6

41092.01 Shower in the AC finished in HPL finish

41092.91 Shower trays in corian type Matterhorn designed with grooves for water drainage, without skirting boards

### 4.2 SALOON & GALLEY

42021.01 U-shaped saloon settee with "Easy Sleep Convert System", double-bed function with integrated storage space

42035.02 Elegant saloon table, low model

42041.01 Grab rail at saloon stairs, in high gloss stainless steel

42072.03 L-shaped dinette with integrated drawers

42081.01 U-Shaped galley with cupboards and drawers

42092.01 U-shaped galley worktop finished with original Corian® "Matterhorn"

42099.99 Additional work surface in the galley through folding part next to hob

42111.98 Key rack in saloon cabinet for storing all board keys

42141.01 Functional storage space in forward section with automatic light switch

42414.01 Wall panels in saloon SB, Port and front in cream white HPL.

### 4.3.1 FRONT CABIN AND GUEST CABIN

43021.01 Double berth with slatted base and 2 drawers

43031.01 Combined hanging-locker/linen-cupboard on Port side

43041.02 Spacious linen cupboard on Starboard side

43101.01 Two single berths in the guest cabin, incl. drawer under Starboard berth

43121.01 Spacious linen cupboard in guest cabin

43111.01 Cupboard between the berths in guest cabin

43412.02 Soft paneling FC, longitudinal Starboard/Port (4 panels)

### 4.3.2 SHOWER AND HEADS COMPARTMENTS

43062.01 Toilet/shower walls FC in HPL finish

43071.02 Washbasin in front toilet-compartment, built into vanity unit. Worktop and wash basin in toilet compartment finished in original Corian® "Matterhorn"

43082.01 Shower in the FC finished in HPL finish

43082.91 Shower trays in corian type "Matterhorn" designed with grooves for water drainage, without skirting boards

43081.11 Storage space in the shower FC, suitable for subsequently fitting of washer/dryer

## 5. FINISH

### 5.1 LIGHTING & SOCKETS

51010.05 LED dimmed interior light fittings in all compartments, with light switches on the fittings

51065.01 LED lighting over the aft deck integrated in the convertible cloth

51070.11 LED reading lights (2x) in the aft cabin

51080.11 LED reading lights (2x) in the front cabin

51090.11 LED reading lights (2x) in the guest cabin

51100.01 Attractive indirect dimmable lighting in saloon

51110.05 Indirect stair lighting in the step leading to the galley by means of a motion sensor. The stair lighting can be switched off on the ICCCESS panel.

51400.01 1x USB socket in the saloon for charging mobile equipment. No data transfer.

## Linssen Grand Sturdy 45.1 AC

Item	Description	Page	7
51500.00	1 x 12 V. socket at dinette in saloon		
51600.01	230V sockets in the aft cabin (1x), aft cabin toilet (1x), forward cabin (1x), forward cabin toilet (1x), dinette (1x) and pantry (3x)		
<b>5.2 GALLEY</b>			
52015.01	Bar cupboard/drawer in saloon, incl. set of Linssen Yachts glasses (comprising: 6 shot glasses, 6 highball glasses, 5 whisky glasses and 6 wine glasses)		
52020.01	Integrated waste bucket in cupboard		
52025.01	Anti-skid mats in galley drawers		
52030.01	Cutlery tray		
52040.02	110 l. refrigerator with freezer compartment in the galley		
52105.02	Gas installation with Campingaz gas bottle (3kg), in container at bathing platform		
52110.02	3-burner gas glass-top cooker		
52120.02	Glass coverplate for 3-burner gas hob		
52180.01	Stainless steel sink		
53020.03	Mixer tap in galley type Grohe Essence		
<b>5.3 SANITARY FITTINGS</b>			
53010.01	Selected bathroom fittings (mirror, toilet paper holder, etc.), in the forward cabin head		
53015.01	Selected bathroom fittings (mirror, toilet paper holder, etc.), in the aft cabin		
53030.03	Wash-basin mixer tap in toilet compartment FC type Grohe Essence		
53040.03	Wash-basin mixer tap in toilet compartment AC type Grohe Essence		
53050.04	Shower mixer tap in forward shower type Grohe 1000C (Thermostatically adjustable) incl. shower rail		
53060.04	Shower mixer tap in aft shower type Grohe 1000C (Thermostatically adjustable) incl. shower rail		
53070.01	Shower curtain in aft cabin shower		
53130.02	Electric toilet in forward cabin, with fresh water rinsing		
53130.99	"Odour system" to reduce smells from black water system		
53140.02	Electrical toilet in the aft cabin, with fresh water rinsing		
<b>5.4 AUDIO / VIDEO</b>			
54010.02	Stereo radio/MP3-player Fusion RA70N with bluetooth including 2 speakers in the saloon and FM radio antenna in mast. Audio streaming possible Operation possible via the App FUSION link AM/FM including RDS Amplifier Class-AB 4x 50W		
<b>5.6 INTERIOR UPHOLSTERY</b>			
56023.00	Dinette settees L-shaped, finished in cloth upholstery Tundra Gypsum		
56041.00	U-shaped saloon settee, finished in cloth upholstery Tundra Gypsum		
56101.11	Mattress 1x 2 pers. in front cabin type coldfoam 14 cm. with layer in foam in two hardness grades.		
56131.11	Mattress 1x 2 pers. in aft cabin type coldfoam 14 cm. with layer in foam in two hardness grades		
56161.01	Mattress 2x single person in guest cabin type coldfoam 10 cm. with layer in foam in two hardness grades.		

## Linssen Grand Sturdy 45.1 AC

Item	Description	Page	8
56300.01	Curtains for windows and hatches saloon, FC and AC, colour "Cappucino"		
<b>5.7 EXTERIOR UPHOLSTERY</b>			
57015.07	Cushions for aft deck U-settee colour Maglia Oak		
<b>5.8 EQUIPMENT</b>			
58010.01	Spares kit including tool-kit, impeller, fuses, paint-tip and various maintenance parts		
58020.01	Complete inventory including 6 fenders, 4 mooring ropes (10 meters), boathook, life buoy, bucket, scrubbing brush, national flag, yard ribbon, safety rope for anchor chain and anchor ball		
58030.01	First-aid box in saloon according to DIN13157		
58040.01	ABC fire class compliant fire extinguishers (2 x 2 kg): 1x in saloon settee, 1x in "cellar"		
58045.01	Optical smoke and carbonmonoxide detector with fixed built-in lithium battery (life span 10 years) in all sleeping compartments.		
<b>5.9 CANVAS &amp; COVERS</b>			
59030.06	Cabrio closed model over the complete aft deck, Sunbrella Marine Beige Papyrus. The side- and back parts can be opened by a zip-fastener.		
59130.07	Cover for steering console Sunbrella Marine Beige Papyrus.		