



Linssen Yachts Standard Equipment

Linssen Grand Sturdy 45.0 AC Intero

Version:

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BASIC DATA

01010.05	Construction	: SPH®(patent pending) (Softchine Prestressed Hul
	Bottom/hull/decks/superstructure	: 6/5/4/4 mm.
	Weight/displacement	: ±20.000 kg / ±20 m ³
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.
01030.03	CE-classification	: B (sea)
	Number of max. recommended persons	: 10
13010.14	Engine	: 1x 4 cyl. Volvo Penta Diesel, type D4-180
		ZF 63-E / 2,48 : 1
		1x 132 kW (180 HP), 2800 rpm
	Alternator	: 1x 115A-12V, 1x 80A-24V
03040.01	Fuel tank capacity	: ± 1x 1080 ltr.
	Water tank capacity	: ± 440 ltr.
	Holding tank capacity	: ± 300 ltr.
41002.01	Aft cabin with double berth, toilet compartment with washbasin, separate shower compartment and hanging wardrobe	
42002.01	Spacious saloon with U-settee (incl. Easy Sleep Convert System) and spacious U-shaped galley to Starboard. Separate dinette at Port side.	
43002.01	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 deck-boxes, U-shaped aft bench 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)
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

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12120.01	Comfortable solid teak step to bathing platform with elegant 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 steering position

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 Dune
	Glass windows saloon, windscreen, ventilation-/escape hatch	: "summer green" tinted

3. ENGINE COMPARTMENT

3.1 TECHNICAL

31010.03	Linssen Yachts "hydrolubricated" propeller shaft installation
31020.01	Engine/shaft connection through homokinetic coupling and thrust bearing
31025.01	Special low noise propeller
31032.09	Electric bowthruster Side Power 24V/170 kgf (8 kW / 10,7 HP) incl. 2x 170 Ah maintenance-free batteries
31070.03	Electronic engine control at steering position
31100.01	Hydraulic steering system
31096.02	Stainless steel steering wheel with teak rim at outside steering position

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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		
31170.03	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		
31310.01	Engine room lighting with switch and indicator in switch panel		
31330.01	Engine compartment hatch, with a ladders next to the engine		
31700.03	Automatic fire extinguishing in engine compartment		
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	Automatic pump for 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 time relay		
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		
32200.01	Additional loose electric bilge pump provided, with discharge tube and supply cable		
3.3 ELECTRICAL & ELECTRONICS			
33022.01	Linssen Yachts ICCES main switchboards, 1x in saloon and 1x at steering position, for control of key functions and reading of fluid levels		
33030.01	230V. /16Amp shore power connection with fuses and shore power cable (25 metres)		
33050.21	Shore power connection equipped with a galvanic insulator for an optimal separation between domestic & shore power		
33082.03	Domestic: 12V. with 3 maintenance free "Super Cycle" AGM-batteries 170 Ah.		
33180.01	Starting circuit 12V. with 1 x maintenance free "Super Cycle" AGM-battery 170 Ah.		
33230.03	Additional battery charger for bow and sternthruster group		
33271.03	Automatic battery charger/invertor type Victron Quattro 12/3000 with battery monitor		
3.4 INSTRUMENTS & NAVIGATION			
34010.01	Engine instrument panel with rev.counter. Integrated indication temperature, turbo pressure, rev. counter digital, voltage engine. Cooling water temperature and oil pressure alarm. Voltage monitoring alarm		
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		

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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		
3.5 EXTERIOR EQUIPMENT HULL			
35010.00	Magnesium or zinc anodes (depending on cruising area)		
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	Robust windscreen wiper installation windscreen (3x)		
37040.03	Window spray-installation windscreen for three wipers including wish-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		
37110.07	Helm-seat in imitation Sand beige leather, on stainless steel adjustable support.		
37180.01	Stainless steel Linssen Grand Sturdy logo		
37245.01	Teak deck box joint table model		
37261.02	Teak sliding hatch		
37271.11	entrance door, varnished in superstructure colour		
3.8 WINDOWS			
38010.01	All windows to saloon in powder coated 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		
38300.06	6 x opening port-holes in the forward cabin, with plain acrylate		
38320.01	6 x opening port-holes in the aft cabin, with plain acrylate		
38400.01	Powder coated aluminium ventilation/escape hatch, with "Summer Green" tinted glass in the forward cabin		
38410.01	Powder coated aluminium ventilation/escape hatch, with "Summer Green" tinted glass in guest cabin and head		
38420.01	Aluminium ventilation/escape hatch, with "Summer Green" tinted glass in aft cabin		
38430.01	5-part aluminium windscreen with powder coated profiles, with "Summer Green" tinted/toughened glass fitted on coated stainless steel foundation		

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4. INTERIOR

GENERAL

- 40010.01 Linssen panels FPS® (Floating Panel System, Patented)
- 40020.03 Interior constructed of high-end okoumé panelling with cherry finish
- 40030.02 Deck-head lining in elegant vinyl finish panels
- 40040.01 Original Linssen maintenance friendly ship's floor, wengé 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 and sprung mattress 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
- 41121.01 Spacious hanging wardrobe in the aft cabin
- 41131.01 Spacious built-in cupboard in the aft cabin

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® "Clamshell"
- 41092.01 Shower in the AC finished in HPL finish
- 41092.91 Shower trays in corian type Clamshell designed with grooves for water drainage, without skirting boards

4.2 SALOON & GALLEY

- 42021.01 Comfortable saloon settee with "Easy Sleep Convert System", double-bed function with integrated storage space
- 42035.03 Elegant saloon table, low model
- 42041.01 Grab rail at saloon stairs, in high gloss stainless steel
- 42071.03 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® "Clamshell"
- 42099.99 Additional work surface in the galley through cherry wood folding part next to hob
- 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 Stbd berth
- 43121.01 Spacious linen cupboard in guest cabin

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43111.01	Cupboard between the berths in guest cabin	
43412.02	Soft paneling FC, longitudinal SB/Port (4 panels)	
4.3.2 SHOWER AND HEADS COMPARTMENTS		
43062.01	Toilet/shower walls FC in HPL finish	
43071.02	Washbasin in front and cabin toilet-compartment, built into vanity unit. Worktop and wash basin in toilet compartment finished in original Corian® "Clamshell"	
43082.01	Shower in the FC finished in HPL finish	
43082.91	Shower trays in corian type Clamshell 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	
51070.11	Luxurious LED reading lights (2x) in the aft cabin	
51110.05	Indirect lighting in step to galley	
51400.01	1x USB socket in the saloon for charging mobil equipment. No data transfer.	
51500.00	1 x 12 V. socket at dinette in saloon	
51600.01	230V sockets in the aft cabin (2x), aft cabin toilet (1x), forward cabin (2x), forward cabin toilet (1x), dinette (1x) and pantry (1x double)	
5.2 GALLEY		
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 stainless steel gas hob	
52120.02	Glass coverplate for 3-burner gas hob	
52180.01	Stainless steel sink	
5.3 SANITARY FITTINGS		
53010.01	Selected bathroom fittings (mirror, toilet paper holder, etc.), in the forward cabin	
53015.01	Selected bathroom fittings (mirror, toilet paper holder, etc.), in the aft cabin	
53020.03	Mixer tap in galley type Grohe Essence	
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	
53140.02	Electrical toilet in the aft cabin, with fresh water rinsing	

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5.4 AUDIO / VIDEO

- 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
 DAB+ ready
 AM/FM including RDS
 Amplifier Class-AB 4x 50W

5.6 INTERIOR UPHOLSTERY

- 56023.02 Dinette settees L-shaped, finished in genuine leather, cream colour
 56041.02 Anatomically moulded U-shaped saloon settee, finished in genuine leather, cream colour
 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.
 56300.01 Luxurious curtains for windows and hatches saloon, FC and AC, cream colour

5.7 EXTERIOR UPHOLSTERY

- 57015.03 Cushions for aft deck U-settee in imitation leather, sand beige.

5.8 EQUIPMENT

- 58010.01 Spares kit including tool-kit, impeller, fuses, paint-tips 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 detector with fixed built-in lithium battery (life span 10 years) in all sleeping compartments.

5.9 CANVAS & COVERS

- 59030.01 Cabrio closed model over the complete aft deck, Sunbrella Dune. The side- and back parts can be opened by a zip-fastener.
 59130.01 Cover for steering console Sunbrella Dune