

Linssen Yachts Standard Equipment

Linssen Grand Sturdy 500 AC Variotop®

Item	Description	Page	1
01010.05	Type code	: 28F	
	Construction	: SPH®(patent pending) (Softchine Prestressed Hul	
	Bottom/hull/decks/superstructure	: 6/5/4/5-4 mm.	
	Weight/displacement	: ±25.000 kg / ±25 m ³	
01020.05	LOA x beam x draft	: ± 15,50 x 4.65 x 1.20 m.	
	Length hull	: ± 14 m.	
	Length over deck	: ± 13.90 m.	
	Length waterline	: ± 12.95 m.	
	Minimum air draft	: ± 3.44 m.	
	Air draft with lowered mast to top parking frame Variotop®	: ± 4.15 m	
	Headroom FC/saloon/AC/Wheelhouse	: ± 2.00/1.98/1.98/2.00 m.	
01030.13	CE-classification	: B (sea)	
	Number of max. recommended persons	: 12	
13020.20	Engines	: 2x 4 cyl. Mercury Diesel, type MD2.0L ZF 25-H / 2,8 : 1 2x 84 kW (115 HP), 3000 rpm	
	Alternator	: 2x 110A-12V	
03040.01	Fuel tank capacity	: ± 2x 750 ltr.	
	Water tank capacity	: ± 720 ltr.	
41001.01	Aft cabin with a free-standing double berth, toilet compartment with washbasin at SB-Side, shower compartment connected to toilet compartment, incl. wardrobes at Port and SB-side. Incl. desk with stool		
42001.01	Saloon with spacious U-shaped galley at SB-side, cupboards. L-settee at SB-side, at Port side a separate L-shaped dinete		
43001.01	Forward cabin with double berth and cupboards, separate toilet and shower compartment. Guest cabin with 2 single beds, one bed can be slided, so it can be used as a double bed with drawer and linen cupboard		
44001.01	Wheelhouse with luxury steering position and helmseat at SB-side, settee at Port side		
42141.01	Functional storage space in forward section, equipped with 6 storage boxes and lighting		

1. HULL

1.1 EXTERIOR

11015.01	Hull constructed in accordance with the Linssen Yachts SPH® (patent pending) construction method
11030.05	Bulwark integrated steel with recess,
11040.02	Integrated deck-boxes, U-shaped aft bench with lockable teak top and gas-pressure struts
11050.01	"Linssen Variotop®: hydraulically-operated, double-lined and insulated convertible roof. Watertight wheelhouse enclosure through a unique, patented, closing system
11055.01	Hydraulically-controlled collapsible parking frame for the Variotop®. The hydraulically controlled parking frame can be lowered to reduce the maximum air draft to approx. 344 cm.
11080.02	Stern door (SB and Port) to bathing platform

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1.2 STAINLESS STEEL

12010.01	Polished stainless steel sea rail
12020.02	Polished stainless steel hinged side ladder integrated into deck rail (Port and Starboard)
12030.02	Opening pulpit lockable incl. stainless steel bar
12050.02	6 x Original Linssen-design stainless steel cleats
12055.01	2 x Original Linssen-design stainless steel cleats at the bathing platform
12075.01	Stainless steel steps to saloon deck midships, demountable, finished with anti-slip steps incl. 2 hand grips on saloon deck
12080.01	Stainless steel handrails on saloon deck
12112.01	Polished stainless steel handrails at aft side wheelhouse
12120.03	Integrated steps on Port and Stbd side in transom, with teak treads provided
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)
12146.01	Stainless steel coated bathing platform, with solid teak parts including Heavy Duty PVC fendering all around and along part of the hull. Bathing platform will be fixed to the hull with demountable supports.

1.3 TECHNICAL

13028.01	Air suction vents for engine room integrated in the hull
13040.01	Linssen "FIS" system (patent Floor Integrated System®) for integral protected loop-up of cables and ductings in the engine compartment
13070.03	Provisions for simple installation of stabilization system to prevent rolling of the ship. 2 mounting flanges welded in the hull.
13110.01	Outside shower at bathing platform, with warm and cold water tap
13135.01	Preparation for extractor hood in galley by roof fan on saloon deck for discharge outside.
13150.02	Integrated bow fitting with fixed anchor roller and stainless steel anchor holder
13155.01	Mooring facility at bow through stainless steel hawse and stainless steel protection strips
13300.01	LED stair lighting in steps to bathing platform and steps from side decks to aft deck
13300.03	LED deck illumination integrated in deck-box

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
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 Sand Beige colour scheme:
	Superstructure and hull : Sand Beige
	Waterline : Dark Green
	Antifouling : Black
	Rope fender : Beige
	Cabriolet canvas : Sonnenland Java
	Glass windows saloon, wheelhouse, ventilation-/escape hatches : "summer green" tinted

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2.2 TEAK DECKS

- 22022.01 Original LINSSEN teak deck on aft deck and integrated winding steps on port and starboard side in transom provided with teak steps

3. ENGINE COMPARTMENT

3.1 TECHNICAL

- 31011.23 Linssen Yachts "hydrolubricated" propeller shaft installation
- 31021.21 Engine/shaft connection through homokinetic coupling and thrust bearing
- 31025.22 Low noise propellers
- 31034.02 Bow thruster 400V/7,5 kW. Powered by the generator, long switching time possible, incl. soft start. Bow thruster can deliver a permanent power of 7.5KW and a peak power of 11KW.
- 31054.02 Stern thruster thruster 400V/7,5kW. Powered by the generator, long switching time possible, incl. soft start. Stern thruster can deliver a permanent power of 7.5KW and a peak power of 11KW.
- 31080.03 Twin electronic engine controls at steering position
- 31090.03 Hydraulic steering
- 31096.02 Stainless steel steering wheel with teak rim at steering position
- 31145.21 Fuel tanks of advanced design with inspection/cleaning hatch
- 31161.03 Magnetic level gauge in fuel tanks for direct volume indication
- 31180.05 Separate second (1 x on engine) fuel filter with water separator, per engine
- 31210.02 Remote fuel supply cut-off to engines from dinette settee
- 31300.01 Linssen Yachts per cabin thermostatically controlled warm water heating with radiators in the forward cabin, guest cabin, dinette/saloon, aft cabin and wheelhouse.
- 31307.01 Radiator in front cabin toilet compartment. Thermostatically controlled.
- 31307.21 Radiator in aft cabin toilet compartment. Thermostatically controlled.
- 31310.02 LED Engine room lighting with switch and indicator in switch panel
- 31331.01 Entrance engine compartment by folding ladder between the engines.
- 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

- 32010.13 Automatic pressurized water system (incl. solid PVC water tank with inspection/cleaning hatch), incl. level indicator
- 32020.01 2 Automatic pumps including expansion reservoir for water system
- 32050.04 Hot water system (60 litre calorifier)
- 32060.01 230 V./800W immersion heater in calorifier
- 32080.20 Fully automated biological wastewater treatment installation using micro-organisms. No unpleasant odours; no use of chemicals that are harmful to the environment. Bacterial strains remove the waste products from the residual water. After treatment, the purified water is pumped out through a sediment filter and a UV filter below the water line. The water to be discharged is free of residues and bacteria and certified in accordance with the internationally required effluent limits.
- 32095.01 All grey water outlets (sinks and shower-drainage) discharge directly overboard
Drain pump(s) shower(s) finished with time relay

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32150.04	Deck-wash pump, including hose and trigger nozzle with connection at bathing platform	
32190.01	Electric bilge pump installations placed in bilges of aft cabin, forward cabin and engine room. Equipped with float switch & alarm (3x 100L/min. pumps)	
32200.01	Additional loose electric bilge pump provided, with discharge tube and supply cable	
3.3 ELECTRICAL & ELECTRONICS		
33020.01	Electric domestic 12 V. with automatic main fuse and separate fuses for all users	
33022.01	Linssen Yachts ICCCESS 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, incl. galvanic insulator, earth leakage circuit breaker and automatic fuse protected end groups with indication and shore power cable (25 metres)	
33180.02	Starting circuit 12V. with 2 x maintenance free "Super Cycle" AGM-battery.	
33090.03	Domestic 12V with 4 Lithium-ion batteries 200Ah.	
33225.01	12 V service net with 1 x maintenance-free "Super Cycle" AGM battery 170 Ah. for Variotop, parking frame, anchor winch and passerelle.	
33229.01	Domestic net equipped with remote-controlled main switch	
33271.03	Automatic battery charger/invertor type Victron Quattro 12/3000 with battery monitor. The battery charger has a maximum charging current of 120A, the maximum output power of the inverter is 3000W.	
33285.70	Group of solar panels of 6x 160Wp. Connected to a Victron Smart Solar charge controller for charging the domestic batteries. Can be read out on the Victron Color GX panel.	
33295.02	Generator ONAN 400 V/17,5 kW. Priority switch shore power/generator and reverse. Start/stop on steering position.	
3.4 INSTRUMENTS & NAVIGATION		
34010.02	2 x engine instrument panels with rev.counter, engine hour meter and multifunction meter with voltmeter with alarm, temperature gauge with alarm and oil pressure gauge with 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	
3.4.1 NAVIGATION INSTRUMENTS		
34080.00	Raymarine DST810 triducer with read out from echosounder, log and outside water temperature on Axiom display	
34110.10	Raymarine autopilot with p70RS display at steering position (incl. course computer/rudder indicator/compass transducer) with protection in mast which disengages autopilot during AUTO operation if mast is folded.	
34125.07	Raymarine Axiom+12RV, 12" multifunctional colour display with touchscreen and Wi-Fi at steering position. Including read out from echosounder, log and outside water temperature.	
34135.06	Second Raymarine Axiom+12, 12" multifunctional colour display with touchscreen and Wi-Fi at steering position. Including read out from echosounder, log and outside water temperature.	
34132.80	Raymarine RMK-10 remote keypad for complete touch control for Axiom display.	
34140.03	Navionics Gold XL9 marine chart type 46XG, West Europe	

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3.5 EXTERIOR EQUIPMENT HULL		
35010.00	Magnesium or zinc anodes (depending on cruising area)	
35020.01	Original Heavy Duty Linssen PVC fendering	
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.	
35090.04	Lewmar VX-series, type VX3 Heavy Duty electric anchor winch, with integrated stainless steel anchor rolls, anchor rail and deck switches.	
35120.02	20 kg. galvanized Bruce-anchor	
35140.03	50m. x 10mm. anchor chain, according DIN 766	
3.7 EXTERIOR EQUIPMENT SUPERSTRUCTURE		
37020.03	Stainless steel windscreen wiper installation in wheelhouse SB, middle and port, with touch control suitable for 2 speeds, self-parking, 3- positions interval on 25, 50 and 75% and wish-wash. Incl. integrated choice for synchronise the windscreen wipers at low speed	
37050.03	Window spray-installation wheelhouse for 3 windscreen wipers	
37070.02	Original Linssen Design mast, with double yard, on saloon deck powder coated in superstructure colour, finished with "eyes" and cleats between the yards for flag lines	
37075.02	Stainless steel mast stays with quick release system	
37080.08	Electric mast lowering system, incl. control at steering position.	
37230.92	Outside table equipped with electrically adjustable table legs (aluminum anodized) including mattress for lounge function.	
37271.11	Entrance doors, varnished in superstructure colour	
3.8 WINDOWS		
38030.01	Double-glazed "Summer Green" tinted windows in the saloon with grey thermal insulated profile (Thermic Line).	
38060.06	Port front hinged window in saloon with (Thermic Line) double glass, fitted in thermal insulated aluminium profiles. Incl. mosquito screen, fitted on the outside with magnets	
38230.01	Double-glazed "Summer Green" tinted windows in the wheelhouse with thermal insulated profile (Thermic Line). Front windows in plain glass.	
38300.06	6 x opening port-holes in the forward cabin, with plain acrylate	
38320.01	5x opening 1x fixed port-holes in the aft cabin, with plain acrylate, aluminium anodised with rain protection covers and mosquito screens	
38405.01	Aluminium ventilation/escape hatch with clear acrylic in front cabin, equipped with blackout roller blind with integrated insect screen	
38412.01	Aluminium ventilation/escape hatch, clear acrylic in centre cabin and toilet compartment, with blackout blind and integrated insect screen	
38422.01	Aluminium ventilation/escape hatch with clear acrylic in aft cabin, equipped with blackout roller blind with integrated insect screen	
38425.01	Fixed panorama window in the stern	
38440.03	Fixed aluminium deck window integrated in saloon deck as engine hatch, profile coated in colour superstructure (Linsen Sand Beige)	

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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
- 40025.14 Interior and exterior style "Classic Traditional": Classic modesty. Stylish elegance through soft beige shades.
- 40030.02 Deck-head lining in elegant vinyl finish panels
- 40040.01 Original Linssen maintenance friendly ship's floor, wengé color.
- 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

- 41010.01 Stylish/high quality floor covering in rear cabin on second floor level next to bed.
- 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
- 41121.01 Spacious hanging wardrobes in the aft cabin
- 41142.01 Cupboards and drawers on starboard side, same as on port side.
- 41161.01 Cabinets in hall Port side with cupboards of 45 and 60 cm wide, suitable for any built-in equipment.
- 41171.01 Cabinet hallway Starboard side with multifunctional hanging/cupboards and drawers

4.1.2 SHOWER AND HEADS COMPARTMENTS

- 41062.02 Toilet compartment in the aft cabin in high quality Formica wall finishing
- 41071.13 Integrated washbasin surface mounted in aft toilet-compartment vanity unit. Worktop finished in original corian®
- 41092.02 Shower in the AC finished in high quality Formica wall finishing
- 41092.91 Shower tray aft cabin in corian designed with grooves for water drainage

4.2 SALOON & GALLEY

- 42011.90 Hatch above engine room for easy access and inspection of this room.
- 42021.01 Comfortable L-shaped saloon settee with integrated storage space
- 42035.03 Elegant saloon table, low model
- 42037.01 Saloon and dinette table top with flush leather panels
- 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
- 42092.03 U-shaped galley worktop finished with original Corian®

4.3.1 FRONT CABIN AND GUEST CABIN

- 43010.01 Stylish/high quality flooring in front cabin on second floor level next to bed.
- 43021.01 Double berth with slatted base and 2 drawers
- 43031.01 Spacious wardrobe and separate hanging locker on Port side.
- 43041.01 Spacious wardrobe and separate hanging locker on SB side.
- 43102.01 Two single berths in the guest cabin, incl. drawer under Stbd berth. The beds can be converted into one double bed

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43121.01	Spacious linen cupboard in guest cabin		
4.3.2 SHOWER AND HEADS COMPARTMENTS			
43062.02	Toilet/shower walls FC in high quality Formica wall finishing		
43071.13	Integrated washbasin surface mounted in front toilet-compartment vanity unit. Worktop finished in original Corian®		
43082.02	Shower in the FC finished in high quality HPL wall finishing		
43081.11	Storage space in the toilet compartment FC		
43082.91	Shower tray front cabin in corian designed with grooves for water drainage		
4.4 WHEELHOUSE			
44021.01	Bench on the Port side including drawer		
44031.01	Helmseat with integrated pull-out table		
44101.01	Wetbar at SB-side incl. Corian wash basin and hot and cold mixer tap		
44081.01	Walnut wood dashboard finished in real leather, at SB side		
44091.02	Comfortable electric adjustable Linssen Design helm seat, in height adjustable, with matching leather upholstery. Horizontally electric adjustable		
5. FINISH			
5.1 LIGHTING & SOCKETS			
51010.05	LED interior lighting with wall switches and/or switch on light point in the compartments. Dimmable LED lighting in front cabin, guest cabin, saloon, aft cabin and wheelhouse.		
51070.11	Luxurious LED reading lights (2x) in the aft cabin		
51080.11	Luxurious LED reading lights (2x) in the front cabin		
51090.11	Luxurious LED reading lights (2x) in the guest cabin		
51100.02	Attractive indirect lighting in the FC and AC heads		
51400.11	USB-connection in saloon (1x), dinette (1x), FC (1x), guest cabin (1x), AC (3x) and in wheelhouse (2x) for charging mobil equipment. (Total 9x)		
51500.00	1 x 12 V. socket in the saloon on Port-side, aft		
51601.01	230 V. sockets in the FC (2x), guest cabin (1x), toilet FC (1x), dinette (1x), saloon (2x), galley (1x double), toilet AC (1x), AC (3x), dressing table AC (1x) and in the wheelhouse (2x)		
51640.01	Additional 1x double 230 V. socket in the galley		
51640.02	Additional English 1x double 230 V. socket in the galley		
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, 6 wine glasses and 6 champagne glasses)		
52020.01	Integrated waste bucket in cupboard		
52025.01	Plate holders and anti-skid mats in galley drawers		
52030.01	Cutlery tray		
52035.02	"Magic Corner" cupboard incl. basket set in the galley		
52040.02	110 l. refrigerator with freezer compartment in the galley		
52062.01	Cooling tray, 30 liter, built-in in the saloon settee		
52080.03	230V. dishwasher (front loader) integrated into galley. Capacity: 6 covers		
52100.02	230V. washer/dryer combination, fitted in the forward cabin shower compartment		

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52140.02	230V. induction hob, stainless steel, with touch control. 1 x 1200 W. cooking zone, 2 x 1800 W. cooking zone, 1 x 2200 W. cooking zone	8
52180.01	Stainless steel/corion sink	
53020.03	Mixer tap in galley type Grohe Essence	
52220.02	230V. stainless steel 42 l. microwave/oven/grill combination. Temperature range 30-250 degrees. 90-1000W microwave power	
5.3 SANITARY FITTINGS		
53010.01	Selected bathroom fittings (mirror, toilet paper holder, etc.), in the forward cabin head	
53010.10	In the FC bathroom cabinet integrated 6-litre waste bin with stainless steel soft-close waste flap	
53015.01	Selected bathroom fittings (mirror, toilet paper holder, etc.), in the aft cabin	
53015.10	In the AC bathroom cabinet integrated 6-litre waste bin with stainless steel soft-close waste flap	
53030.04	Build in wall mixer tap in toilet compartment FC, chrome, type Grohe Talis	
53040.04	Build in wall mixer tap in toilet compartment AC, chrome, type Grohe Talis	
53050.06	Build in wall mixer tap in forward shower type Grohe (Thermostatically adjustable) incl. shower rail	
53060.06	Build in wall mixer tap in aft shower type Grohe (Thermostatically adjustable) incl. shower rail	
53090.01	Shower door 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	
53130.99	"Odour system" to reduce smells from black water system	
5.4 AUDIO / VIDEO / INTERNET		
54010.02	Stereo radio/MP3-player Fusion Apollo Apollo RA770 with bluetooth and touch screen, including Subwoofer and 2 speakers in the saloon and amplified radio-antenna in the mast, connected to Raymarine display. Radio can be controlled via Fusion app on smart phone or tablet	
54035.04	Set speakers in wheelhouse	
54200.01	Primary TV connection at saloon under steering position, incl. extra 230 V. socket	
54250.01	Glomex TV-antenna on mast, suitable for analogue & digital reception. Suitable for DVBT-T2 network.	
54400.04	49" (123cm) LED TV with integrated DVB-T & DVB-S tuner in saloon integrated on AC wall	
5.6 INTERIOR UPHOLSTERY		
56050.02	Dashboard finished in genuine leather	
56095.02	Steering settee in wheelhouse finished in genuine leather	
56101.11	Mattress 1x 2 pers. in front cabin type coldfoam 14 cm. with layer in foam in two hardness grades.	
56131.02	Mattress 2x 1 pers. in aft cabin type Combispring 14 cm.	
56161.01	Mattress 2x single person in guest cabin type coldfoam 10 cm. with layer in foam in two hardness grades.	
56300.01	Beautiful pleated window covering manually operated for windows and port holes throughout the ship	

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5.7 EXTERIOR UPHOLSTERY

57015.00	Cushions for aft deck settee in water-repellent fabric, color depending on chosen interior package
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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 (16 meters), boathook, life buoy, bucket, scrubbing brush, national flag, yard burgee, 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 (3 x 2 kg)
58045.01	Optical smoke detector with fixed built-in lithium battery (life span 10 years) in all sleeping compartments.

5.9 CANVAS & COVERS

59150.01	Linssen Variotop® insulated cabriolet of high-grade Sonnenland Java canvas including bright inside lining
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