



Electric & Electronics for Hanse	Price in €		H458	H508	H548	H588	H675
	net.	incl. 19% VAT					
Navigation & Safety							
<input type="checkbox"/> Additional Multifunction Instrument B&G Triton ² installed	690	821	✓	✓	✓	✓	
<input type="checkbox"/> Additional autopilot controller B&G Triton ² installed at port side	555	660	✓	✓	✓	✓	
<input type="checkbox"/> Autopilot radio remote control B&G WR10 installed with base station	700	833	✓	✓	✓	✓	
<input type="checkbox"/> Additional B&G H5000 Graphic display installed	1.270	1.511	✓	✓	✓	✓	
<input type="checkbox"/> B&G H5000 Race Upgrade Kit installed (<i>only with XW2001 - H5000</i>) <ul style="list-style-type: none"> Hercules CPU, vertical MHU 1050mm, 3D Motion Sensor, Baroplug 	5.660	6.735					✓
<input type="checkbox"/> Mast displays 3x B&G HVision 20/20HV on the mast installed <ul style="list-style-type: none"> extremely clear display f. maximum visibility of important information 	3.715	4.421	✓	✓	✓	✓	
<input type="checkbox"/> Doppler radar B&G HALO24" Best in Class, on mast installed <ul style="list-style-type: none"> 48 nm range from a compact 24-inch dome, 6.75 kg Advanced pulse compression technology with beam sharpening Simultaneous dual range operation sees both near and far. VelocityTrack™ Doppler technology for collision avoidance Easy operation with port, offshore, weather and bird mode 	3.800	4.522	✓	✓	✓	✓	
<input type="checkbox"/> Forward-looking sonar ForwardScan® for display on Zeus ³ MFD installed <ul style="list-style-type: none"> shows what lies ahead under water w. approaching depth information Maximum range of 10 times the depth of the water under the boat Avoid upcoming dangers or obstructions and set shallow depth alarms 	2.260	2.689	✓	✓	✓	✓	
<input type="checkbox"/> EPIRB1 Ocean Signal RescueMe incl. MMSI programming	510	607	✓	✓	✓	✓	✓
<input type="checkbox"/> EPIRB Buoy Ocean Signal EPIRB1 PRO , with case & programming	752	895					✓
<input type="checkbox"/> MOB1 Ocean Signal RescueMe incl. programming	349	415	✓	✓	✓	✓	✓
<input type="checkbox"/> PLB1 Ocean Signal RescueMe incl. MMSI programming	360	428	✓	✓	✓	✓	✓
<input type="checkbox"/> Radar reflector Echomax "Active X" installed on the masthead installed	1.495	1.779	✓	✓	✓	✓	
Energy & Electrics							
<input type="checkbox"/> Battery monitor with barometer PICO One installed <ul style="list-style-type: none"> shows the charge state in %, remaining time of the consumer battery 	690	821	✓				✓
<input type="checkbox"/> AGM battery Capacity expansion w. 1x160Ah Battery (<i>only with XH1001</i>)	980	1.166	✓				
<input type="checkbox"/> Lithium extension battery BOS 2 block with 51Ah total (7kg), installed <ul style="list-style-type: none"> corresponds to 100Ah lead-acid batteries with approx. 32kg weight increases the capacity, performance, efficiency & lifetime of lead bat. Add. performance optimisation through charging priority of lead bat. and preferred discharge of the lithium battery with >2,000 full cycles 	1.050	1.250	✓	✓	✓	✓	
<input type="checkbox"/> Lithium extension battery BOS 4 block with 102Ah total (14kg), installed <ul style="list-style-type: none"> corresponds to 200Ah lead-acid batteries with approx. 64kg weight 	1.700	2.023	✓	✓	✓	✓	
<input type="checkbox"/> Lithium Smart VE battery pack (320Ah) with 4,100 Wh (40kg) installed. <ul style="list-style-type: none"> high efficiency, 4x longer lifetime (2,500 cycles @80% DoD) equivalent to 550Ah lead-acid batteries weighing approx. 160kg safest available lithium-ion chemistry incl. battery monitoring incl. adaptation of charging technology w. MultiPlus C 12/2000/80-30 	9.395	11.180	✓	✓			

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<input type="checkbox"/> Liontron 10 KWh Lithium-Smart battery pack (800 Ah) installed. <ul style="list-style-type: none"> • High efficiency, 4x longer life (3,000 cycles @90% DoD) • integrated battery monitoring with Mastervolt Easy View • safest lithium-ion chemistry currently available • incl. adaptation of the charging technology with LG 12V/ 100A 	12.840	15.280	✓	✓	✓	✓	
<input type="checkbox"/> Charger/Inverter Combi, 12V/2.000VA-80A installed	2.695	3.207	✓				
Solar							
<input type="checkbox"/> 2 x solar panel S525M35 Marine series installed on the hatch garage. <ul style="list-style-type: none"> • 240Wp, 20A@12V max. or 88Ah/day, extremely flat, fully walkable • high output even in diffuse light and in low-light months • incl. MPPT Smart Solar controller with app monitoring 	2.920	3.475	✓				
<input type="checkbox"/> 3x solar panel S525M35 marine serie installed on hatch garage or hardtop <ul style="list-style-type: none"> • 360Wp, 30A@12V max. or 132Ah/day, extremely flat, fully walkable • high performance even with diffuse light and in months w. little light • incl. MPPT Smart Solar controller with app monitoring 	4.180	4.974		✓	✓	✓	
<input type="checkbox"/> Bimini Solar Set Tough+ Carbon 464Wp (160 Ah/d) removeable installed <ul style="list-style-type: none"> • 4x Sunbeam Flexible black panel with carbon fibre reinforcement • Robust, durable surface - UV-resistant, Shadow Optimised • only possible in combination with W&R Bimini (reinforcement) 	4.745	5.647	✓	✓	✓	✓	
<input type="checkbox"/> Solar package with 1.000 Wp on hardtop installed <ul style="list-style-type: none"> • 7x Marine Power M modules with 4,320 Wh per day (max.180Ah/d) • Black Power M panels are very thin, flexible, durable & light • Extremely productive even in diffuse light, low light conditions • 3x MPPT solar controller with 94% efficiency wired to the series • Smart BMV for monitoring and product setup 	10.770	12.816					✓
Internet							
<input type="checkbox"/> Satellite phone Iridium GO! 9560 incl. prepaid SIM & docking station inst. <ul style="list-style-type: none"> • Voice & data connection via satellite f.sailors to retrieve weather data • Voice connection via existing smartphone, email transmission • Emergency SOS message & tracking even without smartphone • installed with docking at the navi & Iridium antenna on the first sailing 	2.760	3.284	✓	✓	✓	✓	✓
<input type="checkbox"/> Internet connect. WIFI/LTE-A (Cat-6) 300Mbps & 2xMarine ant. installed <ul style="list-style-type: none"> • fast & stable router for the transport area, up to 20sm on the coast • Dual SIM LTE-A modem (inside boat) with automatic switching • WiFi 802.11 a/b/g/n/ac with 2,4 & 5 GHz complete security package • requires a data rate with the desired mobile provider (SIM Card) 	3.440	4.094			✓	✓	✓
<input type="checkbox"/> Sat. Internet KVH TracPhone V3HTS miniVSAT installed at spreader <ul style="list-style-type: none"> • fully automatic aligning & tracking satellite antenna (Ø39) • Voice & Internet Broadband Connection with up to 5 Mbps download • Coverage almost worldwide with automatic switching • Follow-up costs p.Contract: 99USD p/mon.: 0.99\$ MB+0.49\$ Min 	23.777	28.295					✓

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Cameras							
<input type="checkbox"/> Camera (front view) mounted on the first spreader with display on Zeus ³	1.400	1.666	✓	✓	✓	✓	
<input type="checkbox"/> Thermal imaging camera Flir M232 IP, tiltable/swivelling installed <ul style="list-style-type: none"> w. thermal image resolution 320x240p & 2x digital zoom, you can watch also at night, to detect bridges, docks, buoys & other boats range to find persons ~ 457m - small boat ~ 1,3km incl. mast mounting bracket & w. JCU joystick unit at steering position 	6.366	7.576				✓	✓
<input type="checkbox"/> Stabilized thermal imaging camera Flir M364C (640x512, 30Hz) installed <ul style="list-style-type: none"> enables easy & safe navigation in total darkness incl. colour low-light camera with tilt, pan & electronic zoom Outstanding imaging performance, intelligent obstacle detection and improved gyro stabilization incl. mast bracket & JCU 2 joystick unit at the helm 	28.815	34.290				✓	✓
<input type="checkbox"/> Underwater Camera EYES GEN 2 displayed on Zeus ³ installed	1.750	2.083		✓	✓	✓	
Sound & TV Components							
<input type="checkbox"/> Radio Sound Upgrade in the cockpit w. Fusion 1.600W digital amplifier <ul style="list-style-type: none"> 2x additional Signature 7,7" speakers and a 10" subwoofer 	2.215	2.636				✓	
<input type="checkbox"/> TV package 43 inch UHD TV and DVB-T2 / DAB+ antenna installed <ul style="list-style-type: none"> Smart TV 43 inch 4K UHD with DVB-T/S receiver in saloon digital DVB-T2 TV antenna Glomex on mast top with amplifier <i>required components: Inverter with at least 500W!</i>	2.040	2.428	✓	✓			
<input type="checkbox"/> TV package 49 inch & DVB-T2 / DAB+ antenna installed <ul style="list-style-type: none"> TV 49 inch 4K QLED with wall bracket in saloon digital DVB-T2 TV antenna Glomex on mast top with amplifier <i>required components: Inverter with at least 700W!</i>	2.235	2.660			✓	✓	
<input type="checkbox"/> Sat-TV antenna KVH Tracvision TV3 d39cm installed on the spreader <ul style="list-style-type: none"> tracking satellite TV antenna with single LNB digital audio and TV reception in port or in motion 	4.825	5.742	✓	✓	✓	✓	
<input type="checkbox"/> Surcharge for KVH satellite system w. double LNB for 2x TV connection	750	893	✓	✓	✓	✓	
<input type="checkbox"/> Sat-TV antenna KVH TV5 d45cm Auto-Skew & GPS on f. spreader installed <ul style="list-style-type: none"> automatic satellite-tracking TV antenna with quad LNB digital audio and TV reception while moving 	8.600	10.234				✓	✓
<input type="checkbox"/> TV antenna Glomex (DVB-T + DAB) on mastop with amplifier installed	775	922	✓	✓			
Lighting							
<input type="checkbox"/> searchlight LED 220s with 350.000 Ca/2.250 Lumen/50W installed <ul style="list-style-type: none"> black housing made of plastic (ASA), UV & salt water resistant Dust and waterproof LED module (IP 68) Remote control and joystick incl. speed control 360° horizontal (continuously rotatable);135° vertical 	1.720	2.047				✓	✓

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<input type="checkbox"/> Underwater lights 4x LED X16, 8 colours w. 5800 lumens each installed <ul style="list-style-type: none"> • Lens from Tritonium™ is insensitive to scratches and growth • 5.800 lumen/4.500 Fixture Lumen, 60°, life time over 40.000h • including stainless steel frame & DMX controller kit 	6.000	7.140					✓
<input type="checkbox"/> Bimini LED lighting w. 4x Cabin Powerline & wireless Dimmer installed	1.350	1.607			✓	✓	
<input type="checkbox"/> Bathing platform LED lighting with 2 Cabin Lights LED installed	700	833	✓	✓	✓	✓	
Comfort & Various							
<input type="checkbox"/> Gas remote switch TRUMA in the Pantry installed	770	916	✓	✓	✓	✓	
<input type="checkbox"/> Gas remote switch & gas alarm (2 sensors) in the Pantry installed	1.465	1.743	✓	✓	✓	✓	
<input type="checkbox"/> Radio anchor winch remote control with chain counter installed	840	1.000	✓	✓	✓	✓	✓
<input type="checkbox"/> Anchor winch remote with chain counter installed at the helm	1.040	1.238	✓	✓	✓	✓	
<input type="checkbox"/> Wireless Remote for bow & stern thruster (4-channel) installed	1.055	1.255	✓	✓	✓	✓	
<input type="checkbox"/> Ventilation fans - 6x Caframo 2-stage in the ship installed for air circulation	1.360	1.618		✓	✓	✓	✓
<input type="checkbox"/> Deck washing pump (5 bar) with sea or fresh water connection installed <ul style="list-style-type: none"> • Please select: for () sea or () fresh water 	1.435	1.708	✓				
<input type="checkbox"/> Whistle (fog horn) Class IV with BSH approval installed	1.390	1.654	✓	✓	✓	✓	
<input type="checkbox"/> Whistle (fog horn) Class III from 20m LOA with IMO approval installed	2.790	3.320					✓
<input type="checkbox"/> Diving compressor Bauer Junior 2W for 100l/min w. stainless steel housing <ul style="list-style-type: none"> • incl. tool box with various keys and 500h maintenance set • Attention! The diving compressor may only be operated outdoors! • it is delivered as a portable version and not permanently installed! 	6.520	7.759	✓	✓	✓	✓	✓
<input type="checkbox"/> Desalinator- Watermaker Schenker Zen 100 L/h (manual) 12/24V installed <ul style="list-style-type: none"> • Desalinator with ERS energy recovery system (400W) • No high-pressure pump, therefore particularly quiet & low-vibration • Simple & intuitive use with only two buttons 	12.340	14.685		✓	✓	✓	✓
<input type="checkbox"/> Weatherinfobox WIB4S Europe w. active antenna AA15 at masttop inst. <ul style="list-style-type: none"> • parallel receiver for receiving from the DWD on KW, LW and NAVTEX • automatically selects the optimum frequency DWD • collects weather information 3-5 days without a connected PC • precision air pressure sensor with 0.1 hPa resolution 	1.775	2.112	✓	✓	✓	✓	
<input type="checkbox"/> Additional 230V Socket in Pantry, forward cabin or aft cabin installed	276	328	✓	✓	✓	✓	✓
<input type="checkbox"/> Additional 2x USB sockets in glove compartment (Stb / port)	530	631	✓	✓	✓	✓	
<input type="checkbox"/> Additional 230V socket installed in the glove box	490	583				✓	
<input type="checkbox"/> Additional button for dimming the hardtop LED lighting	360	428				✓	
<input type="checkbox"/> Additional buttons for E-winchs, 2x installed per steering pedestal	784	933				✓	

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