



Other equipment on board of Catwalk

Vessel Type:	Baron 133' extendable to 138' Twin Screw Diesel Yacht		Gearboxes	ZF 2565, reverse/reduction Gearboxes
Dimensions:			Shafts/Propellers	"Inline" shafts of Aquamet steel alloy, water lubricated Sternbearing + 2 outboard "V" brackets. 2 Propellers Schaffran 5 Blade NIBRAL, Ø1300mm
Length over all (swim platform extended)	132'43"	40.60 metres	Speed	Max. Speed about 18 kn Cruising speed 14 kn
Beam	136'95"	42.00 metres	Auxiliary Machinery & Electrical System:	
Draft	26'8"	8.13 metres	Batteries:	24 volt DC Systems Gel Batteries with Dolphin chargers
Displacement	7'7"	2.29 metres	2pcs. 120A 3pole	800Ah 24V Domestic 400Ah 24V Engine Starting 200Ah 12V Radio/Coms) 200Ah 24V Gen Starting 200AH 12V general use
	210 metric tons (full load)		Watermaker	320 litres per hour
Construction:			Generators	HFL Germany Perkins base engine 80 kW / 100 kVA
Year Built	2006		Shore Power	max. 120 kVA Input: 180-520 V, 47-64 Hz, 3 phase with synchronisation
Builder	KaiserWerft GmbH, Saal, Bavaria (Germany)		Tank Capacities & Range:	
Yard Number	104		Fuel	36,200 litres, 9,565 USG
Construction:	Glass Reinforced Polyester Underwater Vinylester laminate Teak Laid Decks		Water fresh	3,300 litres, 871 USG
Classification	RINA 100 A.1 1 "Y"		Black / Grey Water	1,400 litres, 370 USG
Paint system	Awlgrip of USA epoxy filler			
Exterior glass	Technoglass of Switzerland with UV filters			
Machinery:				
Main Engines	2 MTU 16V 2000 M91 Electronic Governed Marine Diesel Engines 2000 bhp (1492 kW) @ 2350 RPM			

Speed, Consumption and Range:

Speed	RPM	Knots P/H	Range (N/M)	Remarks
Maximum	2,380	18	650	Maximum speed is the highest speed the yacht can reach for a limited period of time
Cruise	1,700	14	1,300	Cruising speed is optimum usage of fuel to power ration at constant RPM
Passage	1,100	10	2,800	Passage speed is the speed at which the yacht can achieve a long range using fuel very economically. However, the engine RPM is required to be increased for 10 minutes every 6 hours to 1,800 so as to engage the turbochargers. Extended passages at this speed is not recommended
Slow	600	6	4,250	Slow speed is the absolute minimum speed the yacht can operate at

Note:

1. All above details are "about"
2. The above consumptions include the fact that 1 generator is operating at 1,500 RPM continuously so as to provide basic electrical services
3. The above performance is based on a calm sea state, no wind influence, deep water, clean hull & appendages and half fuel tank loads
4. Maximum & slow speed are theoretical and as such, not recommended



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Ancillary Equipment:

Steering System:	twin hydraulic ram, twin balanced rudder arrangement with interlink.
Stabilizers	WESMAR 1650 Two Fin
Diesel Oil Separator	Westfalia
Fire Fighting Pumps:	1 400V 1 24V,
Bilge Pumps	1 24V each bilge section 1 24V central 1 400V central
WC System	Vacuum Marine WCs, with sea water flush
Sewage treatment plant	Hamann, Germany
Bow thrusters	Wesmar, 74 kW / 100 hp
Stern thrusters	Wesmar, 56 kW / 75 hp
Hot water boiler	2x 200 litres, 2x 11 kW, HFL
Air conditioning	HFL, Bristol compressors, Cooling power 420.000 BTU
Air handler	Master, Salon, Dining, Pilot power 30.000 BTU
Water from the sinks:	Have the feature of a cooling system

Safety & Security Equipment:

Watertight bulkheads	5 Towing Rope Rocket Line Thrower 1 JOTRON SART 1 JOTRON EPIRB 2 GMDSS VHF
Life Rafts	5 10 Man Self righting life rafts with SOLAS "A " packs in GRP containers with float free hydrostatic release units.
Lifebuoys	4 Lifebuoys (2 with buoyant Lines, 2 with smoke/light)
Lifejackets	14 SOLAS Lifejackets 4 SOLAS (Child size)
Fire Fighting	Engine Room CO2 Installation
Fire Hydrant	Sea Water Fire Hydrant System fore & Aft Deck 1 pump 400V, 1 pump 24V 15 Portable Fire Extinguishers

Alarms:

Fire Detection	Fire Detection system with smoke detectors in all spaces, plus heat detector at Engine Room and Galley
Security	CCTV system with cameras in Engine Room + Aft Deck, Monitors on Bridge & Crew Mess

Communications Equipment:

SATCOM 1	INMARSAT Mini M Satellite coms terminal with voice/fax - interfaced via PABX
SATCOM 2	INMARSAT-C Standard C Satellite Communications terminal
GSM	2 TriBand Fixed Cellular Terminal Gateway units via the PABX system
VHF Radio GMDSS	7 portable VHF Radiotelephone with DSC, Pilothouse station 2 Handheld VHF Radiotelephone sets
PABX	telephone exchange, with direct trunkline access to SATCOM, GSM and PSTN (shoreline).
TV Satantenna	2 axis System with Rate gyro

Navigation Equipment:

Magnetic Compass	1 Navigation (Pilothouse & Skylounge)
Elect.Compass	1 Sat Compass
Auto Pilot	Hand remote ,heading signal from GPS compas And Rategyro/Fluxgate
Depth Sounder	Standard Depth Sounder
Radar	one 4' / one 6' Scanner with Display in pilothouse
GPS	1 GPS receiver
Chartplotter	Standard plotter with Fishfinder
Wind Inst.	Standard Wind Instr.
Navtex	ICS Nav 5



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Deck Equipment:

2 Anchor Windlass	Maxwell windlass with hydraulic motor
Aft Warping Capstans	2 Maxwell hydraulic capstans
Ground Tackle	2x anchor: 200 kg High Holding Power Hand polished Chain: 120 metres, 17,5mm
Passerelle	Hydraulic Passerelle in centerline aft, Side passerelle starboard

Audio Visual Entertainment System:

B&O entertainment system of Denmark in all living areas of the yacht used by guests

Domestic Equipment:

Main Galley	Miele Electric Hob Miele Air Extract Hood Miele Oven Miele steam cooker Miele microwave Miele Dishwasher Miele fridge Miele Freezer Miele Coffee Machine Harpag Trash Compactor Fridge GE Footcenter & Icemaker
Crew Mess	Miele Microwave Miele Refrigerator Miele freezer Miele electric Hob & cooker Miele Air Extract Hood Miele Dishwasher
Laundry	2x Miele washing machine 2x Miele tumble dryer
Salon Bar	Coolmatic Fridge
Open Aft Deck Boat Deck	Coolmatic Fridge
Pilothouse	Coolmatic Fridge
Skylounge	Coolmatic Fridge
VIP-Cabins	Coolmatic Fridge
Owner's Cabin	Coolmatic Fridge
Open Aft Deck (Bar)	Wessamat Icemaker
Slouching Area	Siemens Fridge Siemens Wine cooler, Vinothek

Crockery	Nymphenburg, Munich
Cutlery	Robbe & Berking
Galley equipment	Rösle

Tenders & Watersports Equipment:

Tender	1 Castoldi 15' RIB tender with Diesel inboard engine and jet drive
Jetski	optional

Office Equipment:

Network	CAT 5 STP based "star" topology network with central Hub
	Wall sockets in all spaces throughout yacht

Printer	Network based Laser Printer (situated in Pilot House)
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Internet Connection	via Satcom
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Facsimile	Fax Interfaced via PABX to SATCOM, GSM & PST
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Accommodation for Guests:

Master's Stateroom on Main Deck	1 double bed
2 VIP Staterooms on Lower Deck with their own private staircase	2 double beds
2 Guest Cabins on Lower Deck with their own staircase	1 double and 2 single beds
Owner's Penthouse in Sky-Lounge	1 single extendable to a double bed
Total Guest Beds:	12

Accommodation for Crew:

Captain's large single cabin Lower Deck forward	1 single bed
1 crew cabin with in Lower Deck forward	2 single beds
2 double crew cabins in Lower Deck aft	2 x 2 single beds
Total Crew Beds:	7

The extraordinary features of *Catwalk*, a BARON 40,5 m

updated 16-01-06

No	Item	Brief specification	Function on Yacht	Remarks
1	General	Materials & Equipment	To make it <i>extraordinary</i>	We strive to use materials and install equipment that are MADE IN GERMANY to the highest standards expected from German products duly tested and approved by Class We do not compromise and always play safe
2	Generators	Made by HFL Germany using Perkins engines. Each has a capacity of 80 kW/100 kVA	Generation of electric power	Strong generators allow our Yacht to operate with normal load using just 1 Generator thus making the Yacht more reliable
3	Shore power unit of max. 120kVA output with two shore cable connection	input range: 180V - 520V 47Hz - 64Hz with 3 phase with synchronisation	A Shore power unit (Convertor) converts any and all shore power available round the World to the power available on the Yacht	No necessity to run the generators when docked This feature allows the Yacht to go to any Marina in the World !
4	Frequency Converter	Converts 400V / 50 Hz AC power to 120V / 60Hz AC & 12V AC	Allows the direct use of 115 V equipment in addition to the throughout 220 V supply on the boat	115 V 60 Hz mains sockets in: main galley, crew galley, engine room, electrics room [for use of equipment made in USA]
5	Watermaker	capacity: 320 litres per hour	Converts sea water into fresh water	System from the well known company Sea Recovery / Schenker
6	Fresh Water cooling system	Special German Product having UV filters	Ensures fresh water in the tanks is at 59 degrees fahrenheit / 15 degrees centigrade irrespective of outside temperature. Eliminates algae growth in pipes & tanks	This product is unique to our Yachts UV filters eradicates bacteria in the water
7	Black water system	Hamann of Germany	Treats sewage before harmlessly discharged into the sea	Best Yacht Standard in the World
8	Grey water system	KaiserWerft Greywater and black water in one tank	Collects soiled water from bathrooms, galley, etc.	Vacuum based black/grey water extraction system throughout the yacht
9	Oily bilge water system	Separate bilge pump for the section beneath main engines and generators	Collecting oily bilge water in a seperate tank	In compliance with IMO-MARPOL regulations oily water is collected and <u>not</u> discharged into the Sea

No	Item	Brief specification	Function on Yacht	Remarks
10	Bilge water systems	400V central bilge pump, 24V central bilge pump, 24V automatic bilge in each bilge compartment, one bilge pump driven by main engine	One automatic bilge system, 3 bilge systems manual controlled	Highest standard of safety if one system fails
11	Hot Water system	Grundfos of Germany HFL	Provides hot water to all taps on board. Also contains a Calorifier	Dual hot water system. Hot water can be alternatively generated via a heat exchanger from the generators, or by the means of an electric calorifier
12	Lube oil tank	KaiserWerft	Our Yacht is able to top up the lube oil of generators and engines by pumping oil from a dedicated lube oil tank	The pumping system has a digital counter to ensure accuracy
13	Air Conditioning	HFL of Germany using Bristol compressors with cooling power of 420,000 BTU	Cools temperature of living spaces on board	Special split-handling system permits both low and high usage individually. 420,000 BTU air-handling capacity. Frequency controlled
14	Fresh Air Make-up system	One Big Air Handler by HFL Germany for cooling fresh air drawn from the outside	Fresh cooled air intake for Pilothouse, Observation Lounge and Owner's cabin	Enhances the atmosphere in the named cabins
15	Bilge ventilation	All bilge sections are ventilated by electric fans, which maintain a slight vacuum in the bilges	This ensures that no gases or odours remain in the bilge	Rarely found on yachts
16	2 Steering Systems	MS Yacht Hydraulik of Germany Low and high pressure unit	Steers the Yacht	Our yacht has two steering systems - low, and high pressure
17	Bow thrusters Stern thruster	Wesmar, 74KW / 100hp Wesmar, 56KW / 75hp	Improves the manoeuvrability of the yacht. Turning on the spot becomes possible.	Very powerful Thrusters for a Yacht of this size
18	Stabilisers	Wesmar of USA GRP Fins	Roll damping System stabilises the yacht	Silent & powerful
19	3 Hydraulic systems	KaiserWerft pressure pipes SS 316T welded	Operates all moving parts of the Yacht outside the engine-room	All pipes are flexibly mounted thus dampening the noise
20	Cradle for the Tender stored in the Stern garage	Schurtz of Austria	automatically loads and discharges the Tender into the water in addition to storing it	Easy-to-use wireless remote control operates the cradle
21	Dinghy refuelling station		Allow refuelling of the Castoldi tender	Diesel refuelling point inside the stern garage
22	Double anchor system	KaiserWerft	Anchors the Yacht	Special SS 316T hand polished & balanced Anchor with high holding power and Chain-wash

No	Item	Brief specification	Function on Yacht	Remarks
23	Lamination	KaiserWerft Hand Layup	Hard-core bottom Sandwich GRP on sides above waterline Balsa / Foam core sandwich for deck plates Improved Osmosis resistance due to the use an epoxy vinylester laminating system as vapour barrier in the underwater sections of the hull	We laminate our Hulls about 30% more than what the classification society recommend as that is our Standard
24	Paint system	Awlgrip of USA Epoxy filler	By using the best quality paint hand painted at KaiserWerft, we ensure protection from the elements	All painters are highly skilled permanent employees of Kaiserwerft with substantial experience
25	Stainless rails and handrails indoors and outdoors	KaiserWerft	Rails are used for protection from falling overboard	All stainless parts are manufactured in-house at KaiserWerft ensuring the best quality. All joints are grinded and polished so that no welding marks are visible
26	Exterior glass	Technoglass of Switzerland with UV filters	To maximise enjoyment of the ambience of the sea, toughened glass of the highest quality is used. UV filters reduce rays of the Sun by 30%	Bullet-proof tested with a .38 pistol at a distance of 10 metres
27	Sound Insulation	Rock-wool of USA & Cell-foam of Germany	Dampens and reduces noise and heat resulting in dB levels well below industry standards	About 8 tonnes of insulation are used
28	Galley equipment	Miele & Siemens of Germany Crockery by Nymphenburg of Munich, Bavaria	Enough kitchen equipment and crockery to host an ample number of guests	Crockery is custom hand-made for each Kaiserwerft Yacht with special hand-painted features
29	Whirlpool	Victory	To allow for relaxing baths under moonlit stary skies	
30	Retractable swimming platform	Schurtzer, Made in Austria	To provide a comfortable access to the sea	Fully constructed from stainless steel and teak
31	Electro-cromatic screens	Technoglass of Switzerland	for a sight shield between galley and slouching area and also as a sun shield in the owners cabin ceiling	tranlucency of screens can be changed electronically

