

Motor Yacht Ocean of Love 102

Vessel Type: Baron 102'
Twin Screw Diesel Yacht

Dimensions:

Length Overall	102'	31 metres
Beam	22' 4"	6.8 metres
Draft	5' 5"	1.85 metres
Depth	10' 2"	3.1 metres
Displacement	90 tonnes	(lightship)
Tonnage	155 GRT	46 NT

Construction:

Year Built	2004
Builder	KaiserWerft GmbH, Saal a Donau, Germany
Yard Number	Bn:102
Construction:	Glass Reinforced Polyester (GRP) Teak Laid Decks
Classification	RINA 100 A.1 1 "Y"

Machinery:

Main Engines	2 x MTU 16V 2000 M91 Charge Air Cooled, Turbocharged, Electronic Governed, Marine Diesel Engines 2000 mHP (1471 kW) @ 2350 RPM
Gearboxes	ZF 2555, reverse/reduction gearboxes, ratio 1:2.462
Shafts/Propellers	"Inline" shafts of Aquamet steel alloy, water lubricated sternbearing + 2 outboard "P" brackets. 2 x Propellers, Dia.1080 mm 5 Blade NAB running in partial tunnels
Speed	Max. Speed about 26 knots

Auxiliary Machinery & Electrical Systems

Watermaker	MARINCO 240 litres/hour With UV filter
Generators	2 x HFL, Marine Generator Sets 3 phase, 230/400 volts AC 50 Hz/(60 kW) Perkins Base Engine (4 Cyl. rated @ 1500 RPM)
Electricity	230 volts AC 1 phase 50 Hz 400 volts AC 3 phase 50 Hz
Shore Power	SAE Electronic Conversion Shore Power Convertor Input: 80 kW, 180-520 AC 50-60 Hz, mono or 3 phase With synchronisation
Konverter:	SAE from 400V to 120V
Batteries:	24 volt DC Systems Gel Batteries with Dolphin chargers 2pcs. 120A 3pole 800Ah 24V Domestic 400Ah 24V Engine Starting 200Ah 12V Radio/Coms)
Inverter:	Mastervolt 24V to120V

Tank Capacities & Range:

Fuel	14,000 litres,	3699 USG
Water	2,000 litres,	528 USG
With freshwater cooling system		
Grey Water	1,200 litres,	317 USG
Black Water	1,000 litres,	264 USG
Lub oil	400 litres,	106 USG
Range	Approx 550 NM @ 23 Kt	

Ancillary Equipment:

Steering System:	BCS twin hydraulic ram, twin balanced rudder arrangement with interlink.
Bow Thruster	29 kW/40 hp, Hyd. powered via PTO
Stern Thruster	29 kW/40 hp Hyd. powered via PTO
Fuel Filters	
Main Engines	Racor D-75/1000MAX
Generator	Racor D-*500MAM30

Fire/Bilge Pump:	1 x Biergans AM 40EM2 T50, 40m³/hr 400VAC
Boiler:	1 x G&R Indrojet 518, 24VDC, 14m³/hr 4xJabsco 3550 1 x G&R, 200 litre Electric Hot Water Boiler 5+5kw
WC's	6 x TECMA Marine WC's, with sea water flush plus integral F.water bidet
Air Conditioning	HFL Chilled Water AC Compressor Plant 280,000 BTU Individual fan coil units for each room

Safety & Security Equipment:

Safety:

Watertight bulkheads	x 4
Life Rafts	Towing Rope Rocket Line Thrower 1 x JOTRON SART 1 x JOTRON EPIRB 2 x Axis50 GMDSS VHF 3 x 8 Man VIKING RescYou™ Raft Pro, Self righting life rafts with SOLAS "B" packs in GRP containers with float free hydrostatic release units.
Lifebuoys	4 x Lifebuoys (2 with buoyant lines, 2 with smoke/light)
Lifejackets	14 x SOLAS Lifejackets 4 x SOLAS (Child size)
Fire Fighting	Engine Room CO ₂ Installation – Batec
Fire Hydrant	Sea Water Fire Hydrant System - fore & aft deck Portable Fire Extinguishers

Alarms:

Fire Detection	Navel Fire Detection system with smoke detectors in all spaces, plus heat detector at engine room and galley
Security	CCTV system with cameras 2x Engine Room +1x Aft Deck Monitors on Bridge & Crew Mess (through WSF TV)

Communications Equipment

SATCOM	Simrad F55 Mini M Satellite coms terminal with voice/fax - interfaced via PABX
SATCOM	Sailor H2095C INMARSAT-C Standard C Satellite Communications terminal
GSM	Phoncell Tellular dual Phoncell Tellular single Gateway units via the PABX system
VHF Radio GMDSS	Simrad RS86F VHF Radiotelephone with DSC, 4 x Simrad HT51 Handheld VHF Radiotelephone sets 5 x Headset LWH51 1 x Headset profi 1 x GMDSS AX30
PABX	Panasonic Digital Super hybrid telephone exchange, with direct trunkline access to SATCOM, GSM and PSTN (shoreline).

Motor Yacht Ocean of Love 102

Navigation Equipment

Magnetic Compass	1 x Cassens Plath mainhelm
Sat. Compass	1 x Simrad HS50
Auto Pilot	Simrad AP50 Hand remote ,heading signal from Simrad HS50 and Rategyro/Fluxgate RFC35R
Depth Sounder	forward looking sonar FLS Gold
Radar	Simrad RA83 Single 4' Scanner with
GPS	GPS signals from Simrad HS50 & Simrad GN33S/W
Weatherfax:	Navtex NAV-5
Chartplotter	Simrad chartsystem CS 55 15" TFT
Wind Inst.	Simrad IS 15 With lot/log

Deck Equipment

Anchor Windlass	1 x 3500 watt/24 volt Lofrans Vertical
Aft Warping Capstans	Lofrans 2x1500watt/24VDC
Ground Tackle	Anchor: 137kg High Holding Power Cable: 110 metres, 12,5mm Stud link
Boat Crane	Besenzoni Hydraulic Crane Type G 309 600 kg
Passerelle	Besenzoni Hydraulic Passerelle Type PI 383

Audio Visual Entertainment Systems

Central AV Server	All AV "source devices" are centrally situated in the dining room with signal/control distribution via a Xantech based AV distribution system. All source devices are controlled using room based IR handsets.
Source Devices	10 x DVD players 11 x SAT TV- Combi Receivers USA/Europe 3 x Imerge "Soundserver" music channels 1 x VCR
Saloon	Stand Alone Cinema System 50" NEC Plasma TV Input from AV Server Sonance Ceiling speakers Marant IR Control With touchscreen
Owner's Suite	24" Mermaid + 30" NEC TFT TV Input from AV Server HT 502 speakers Marant IR Control
VIP & Guest Cabins	24" Mermaid TFT LCD designer TV Input from AV Server HT 502 speakers Marant IR Control
Crew Cabins & Mess	15" WSF TFT LCD TV Input from AV Server Marant IR Control
Dinning Area	24" Mermaid TFT TV
Main helmstation	NP 200 Network Player
Galley	NP 200 Network Player

Aft Deck Boat Deck	Sound System Control Ceiling Speakers
-----------------------	------------------------------------------

Domestic Equipment

Main Galley	Miele 4 ring cookingstove Miele Air Extract Hood Miele Oven Miele Dishwasher Miele Microwave Miele Steamcooker G.E. Footcenter; Icemaker Miele Freezer Miele Refrigerator Miele Coffee Machine Universal Trash Compactor Miele Dishwarmer Liebherr Winecooler
Crew Mess	Siemens Microwave Siemens Refrigerator Siemens Cookingstove Siemens Air Extract Hood
Laundry	Miele Washingmachine Miele Dryer
Guest area	Miele refridgerator
Helm station	Coolmatic Refrigerator
Guest Area	Coolmatic Refrigerator
Owner's Cabin	Coolmatic Refrigerator
Fly	Miele Grill

Tenders & Watersports Equipment

Tender	Novamarine 400 DL, 4 metre RIB + Honda 50 hp outboard
Jetski	Yamaha Waverunner GP800R in a cradle in the Lazarette

Office Equipment

Network	2x patchfeld switch HP procurve 2124 Wall sockets in all spaces throughout yacht
Printer	Network Brother MFC 9880 printer/fax/copy
Internet Connection	with the Simrad F55 System
Facsimile	Interfaced via PABX to SATCOM, GSM & PSTN

Accommodation

Owner's Suite	Split level Double Cabin with sitting area lower level kingsize bed Higher level en-suite bathroom with combination Jacuzzi/bath/shower, twin wash stand, WC and bidet
VIP Cabin	Double Cabin with sitting area, desk and large wardrobe. En-suite bathroom with combination bath/shower, wash stand and WC.
Guest Cabins (x2)	Twin cabins with shower rooms en-suite
Crew Cabins (x2)	Twin berth Cabins
Crew Mess	Dining/rest area for 4 pers,
Crew Bathroom	shower and WC