

## 88 Carbon IPS – Full Specs 2014

|                   |               |
|-------------------|---------------|
| <b>Vessel:</b>    | 88 Carbon IPS |
| <b>System:</b>    | ALL           |
| <b>Subsystem:</b> | ALL           |
| <b>Task:</b>      | N/A           |
| <b>Notes:</b>     | N/A           |

### SPECIFICATIONS:

|                            |  |
|----------------------------|--|
| LOA:                       | 25.72m   84.4 ft.  |
| Construction length:       | 23.82m   78.15 ft.   |
| Beam:                      | 6.22m   21.72 ft.  |
| Draft:                     | 1.72m   5.64 ft.   |
| Bridge clearance:          | 7.70m   25.26 ft.  |
| Displacements:             | 39,000 kg   85,980 # dry<br>420,00 kg   92,594 # wet         |
| Max displacement:          | 52,000 kg   114,640 # maximum displacement                   |
| Fuel:                      | 2 x 3,000 l   1,585 US Gallons                               |
| Fresh water:               | 1,200 liters   317 US Gallons                                |
| Gray water:                | 300 liters   80 US gallons                                   |
| Black Water:               | 300 liters   80 US gallons                                   |
| Powerplants:               | 3 x Volvo Penta IPS 1200, 900 HP each, 2,700 HP total        |
| Cruise Speed:              | 32.5 knots   |
| Top speed:                 | 38 knots   |
| Stabilization:             | SeaKeeper M16000 zero-speed, gyroscopic stabilization system |
| CE Class:                  | B  |
| Commercial classification: | MCA/RINA   |
| Design:                    | Lars Modin   |
| Construction:              | Lightcraft/Diab/Luksusjaht                                   |
| Manufacturer:              | Luksusjaht AS  |
| 24V/220V:                  | MasterVolt/Ari Bragge  |

### CONSTRUCTION:

- 100% carbon fiber, deep-v hull with speed rails
- Hull structure, bulkheads, deck bulkheads, roof, deck hatches, flying bridge, and engine room in vacuum-infused Diab carbon fiber/vinylester/divinycell
- Hull in white gelcoat
- Waterlines x 2 in black gelcoat
- Plumbing pipes in stainless steel and PVC only
- Calculations and weight optimization by Diab

### DECK:

- 1 x Hand-laid, vacuum-glued teak deck
- 2 x Stainless steel handrails
- 1 x Stainless steel, custom-fabricated pennant pole, bow
- 1 x Stainless steel, custom-fabricated flag pole, aft
- 36 x Courtesy lights
- Lewmar flush hatches throughout

### OUTSIDE SOCIAL AREAS, MAIN DECK:

- 1 x Aft deck sofa
- 1 x Aft deck hi/low table convertible to sunpad
- 1 x Aft deck sofa cushion set
- 1 x Aft deck sofa cover

- 1 x Aft deck table cover
- 1 x Aft deck retractable ShureShade awning in Sunbrella
- 1 x Aft deck serving galley
- 1 x Isotherm ice maker
- 1 x Foredeck sofa with Sunbrella cushions
- 1 x Foredeck hi/low table with Sunbrella cover
- 1 x Foredeck sunpad with storage and Sunbrella cushions
- 1 x Foredeck sunpad cover
- 5 x Foldable outside chairs Dedon X chair
- 4 x Sonance Sound outside speakers
- 2 x Control4 sound zones – Foredeck/Aft deck [radio/mp3/streaming from iPhone or onboard Mac mini]

#### **FLYBRIDGE FORWARD:**

- 1 x Treben Italy captain's sofa, providing seating for captain plus four [2/1/2] with:
  - 1 Treben Italy electrically controlled captain's seat
- 1 x Delta steering wheel
- 1 x Volvo Penta gear/throttle unit
- 1 x Volvo Penta joystick control in captain's armrest with autopilot control
- 1 x Volvo Penta 7" multi-display
- 1 x Volvo Penta autopilot
- 3 x Raymarine GS120 series 12" glass bridge touchscreen monitors
- 1 x Raymarine VHF with loudspeaker
- 1 x Raymarine Super HD radar, 4KW
- 1 x Lewmar windlass control unit with chain counter
- 1 x Humphree interceptor display and control pad
- 1 x Carlisle & Finch searchlight/FLIR camera control [Thermal Night Vision]
- 1 x Magnetic compass
- 1 x GPS compass Integrated to the system.
- 1 x Graphic overview of yacht with indicators for gensets/shore power/bilge alarms/navigation lights
- 1 x Switchboard with 12 direct switches for controlling the yacht's most vital functions
- 1 x Windscreen
- 2 x Side storage compartments

#### **FLYBRIDGE AFT:**

- 1 x U-shaped sofa with Sunbrella cushions and cover
- 1 x Hi/low teak table with insert Sunbrella cushion and cover
- 1 x Flybridge sunpad in Sunbrella fabric with cover
- 1 x Electrohydraulic bimini top
- 1 x Wetbar with Vola faucet
- 1 x Isotherm 50 liter marine refrigerator, 24V
- 1 x Siemens Grill, 220V
- 2 x Storage lockers
- 4 x Sonance Sound outside speakers
- 1 x Control4 sound zone – Flybridge [radio/mp3/streaming from iPhone or onboard Mac mini]
- 1 x White painted Carbon fiber radar arch with attachments for radar/antennas
- 2 x High beam spotlights [work/security lights] in radar arch, 2 aft
- 10 x Courtesy lights

#### **MAIN STATION:**

- 1 x Treben Italy captain's leather sofa, with:
  - 1 x Treben Italy electrically controlled captain's leather seat
- 1 x Leather side sofa for two
- 1 x Webasto electrometrical skylight
- 2 x Fixed moonlights
- 3 x OceanAir remote controlled blinds for skylights/moonlights
- 3 x Windscreens in 12mm hardened glass with wipers and washers
- 1 x Delta steering wheel
- 1 x Volvo Penta gear/throttle unit
- 1 x Volvo Penta joystick in captain's armrest with autopilot control

- 1 x Volvo Penta 7" multi-display
- 1 x Volvo Penta autopilot
- 1 x Volvo Penta engine data interface – Raymarine system
- 1 x MasterVolt data interface – Raymarine system
- 3 x Raymarine GS195 series 19" glass bridge touchscreen monitors
- 1 x Raymarine depth sounder module
- 1 x Raymarine AIS module
- 1 x Raymarine VHF with loudspeaker
- 1 x Raymarine engine room camera
- 3 x Raymarine surveillance cameras
- 2 x Raymarine fixed keyboards
- 1 x Raymarine super HD radar, 4KW
- 2 x Raymarine 7" multi-displays
- 1 x Lewmar windlass control unit with chain counter
- 1 x Carlisle & Finch searchlight/FLIR camera [Thermal Night Vision], displayed on Raymarine touchscreen
- 1 x Humphree interceptor display and control pad
- 1 x Magnetic compass
- 1 x GPS compass
- 1 x Apple iPad, 32GB
- 1 x Control4 A/V-system installed on iPad
- 1 x Backup navigation application installed on iPad
- 1 x SeaKeeper display and control pad
- 1 x Graphic overview of yacht with indicators for gensets/shore power/bilge alarms/navigation lights
- 1 x Switchboard with 16 direct switches for the yacht's most vital functions
- 1 x Storage for printed, full-size charts
- 1 x Storage locker
- 1 x Tinted glass technical locker with the following control units installed:
  - 1 x MasterVolt 10" master display
  - 2 x Fischer Panda controls
  - 1 x AC controls for salon
  - 1 x AC compressor control
  - 1 x Fire alarm system
  - 1 x Delta Air engine fans control with 5" display
  - 1 x Black water gauge
  - 1 x Black water discharge activator
  - 1 x Gray water gauge
  - 1 x Gray water discharge activator
  - 1 x Fresh water gauge
  - 1 x HRO Systems watermaker control unit
  - 1 x Emergency fire alarm activator
  - 1 x Service battery main switch

#### **SALON:**

- Woodwork in select grade teak, varnished in six layers
- Doors, front panels, and drawer panels made in ultra-light-weight foam and vacuum-applied teak veneer
- Roof panels in off-white Italian soft fabric
- Oiled teak flooring
- 2 x L-shaped leather sofas, seats approximately 12
- 2 x Leather side seats
- 2 x Teak salon tables
- 8 x OceanAir leather covered, remote controlled blinds
- 4 x Philippe Starck table lamps 220V
- 24 x Spotlights
- 1 x Bar locker
- 1 x Wine cooler for 20 wine bottles
- 1 x Samsung 55" TV
- 1 x Apple TV connected to onboard Wi-Fi and Mac mini
- 1 x Apple iPod with Control4 remote control for TV/sound/Blu-Ray
- 1 x Control4 Sound zone – Salon [radio/mp3/streaming from iPhone or onboard Mac mini]
- 6 x Sonance Sound roof mounted speakers

- 1 x Future Automatics hi/low remote controlled "TV-elevator"
- 1 x Blu-Ray player
- 1 x Opacmare custom made sliding aft doors
- 2 x Opacmare electrically locked pantograph side doors
- 6 x Side windows in 12 mm hardened glass
- 2 x 12V outlets
- 4 x 220V outlets
- 4 x USB outlets
- 6 x Air conditioning diffusers
- 1 x Delta Air 24V ventilation system

#### **GALLEY:**

- Woodwork in select grade teak, varnished in six layers
- Doors, front panels, and drawer panels made in ultra-light-weight foam and vacuum-applied teak veneer
- Roof panels in off-white Italian soft fabric
- Oiled teak flooring
- Countertops in Corian
- 1 x Siemens five burner cooktop with touch controls
- 1 x Siemens speed oven [oven/microwave]
- 2 x Siemens full-size [6 ft. tall] fridge/freezer
- 1 x Siemens dish washer
- 1 x Stainless steel double sink
- 1 x Vola faucet
- 1 x Kitchen extraction fan, 220V with carbon filter + direct outside ventilation [not a recirculating unit]
- 1 x Nespresso machine
- 1 x Dualit 4 slice toaster
- 1 x set of stemware/glassware, all custom-fitted in cabinets:
  - 12 x Littala champagne glasses
  - 12 x Littala wine glasses
  - 12 x Littala seltzer glasses
  - 12 x Littala highball glasses
  - 12 x Littala dinner plates "Tema"
  - 12 x Littala side plates "Tema"
  - 12 x Littala bowls "Tema"
  - 12 x Littala coffee/tea cups "Tema"
- 1 x Set of cutlery and kitchen utilities, matched
- 1 x Set of Littala pans and casseroles, matched
- 1 x Oversized trash compartment
- 1 x Standard trash compartment
- 1 x Safeguard around stove top
- 4 x 220V outlets
- 8 x Spotlights
- 1 x Courtesy lights
- 1 x Night light
- 1 x Fire extinguisher
- 1 x Fire blanket
- 1 x Fire alarm unit

#### **OWNER'S CABIN:**

- Woodwork in select grade teak, varnished in six layers
- Doors, front panels, and drawer panels made in ultra-light-weight foam and vacuum-applied teak veneer
- Roof panels in off-white Italian soft fabric
- Oiled teak flooring
- Miscellaneous storage and drawers
- 1 x 20cm thick mattress with Sunbrella interior cover
- 1 x 7cm thick makeup mattress with Sunbrella interior cover
- 1 x Leather sofa, seats three
- 2 x Custom made leather seats
- 1 x Make up table/work desk
- 1 x Isotherm marine refrigerator

- 1 x Combined glass/wine cabinet
- 1 x Concealed safe
- 2 x Samsung 42" TVs
- 2 x Custom made "TV-elevators" for both TVs
- 1 x Blu-Ray player
- 1 x Apple TV connected to onboard Wi-Fi and Mac mini
- 4 x Sonance Sound roof mounted speakers
- 1 x Control4 sound zone — Owner's cabin [radio/mp3/streaming from iPhone or onboard Mac mini]
- 1 x Apple iPod with Control4 remote control for TV/sound/Blu-Ray
- 1 x Raymarine GS 12" touchscreen display for engine data, nav data, genset and shore power status
- 4 x USB outlets
- 4 x 220V outlets
- 1 x Air conditioning diffuser
- 1 x Webasto air control unit
- 12 x Spotlights
- 2 x Bedside lights
- 6 x Concealed lights
- 4 x Side windows
- 2 x Deck windows, operable for ventilation
- 4 x OceanAir manual blinds for windows
- 1 x Delta Air 24V ventilation system
- 1 x Fire alarm
- 1 x Fire extinguisher
- 1 x Fire blanket

#### **OWNER'S CABIN WALK-IN-CLOSET:**

- 1 x Overhead light
- 1 x private access to crew area for safety, security, and convenience
- 1 x Mirror
- 18 x Custom made Delta hangers
- 1 x Deck window, operable for ventilation

#### **OWNER'S CABIN BATHROOM:**

- Woodwork in select grade teak, varnished in six layers
- Doors, front panels, and drawer panels made in ultra-light-weight foam and vacuum-applied teak veneer
- Roof panels in off-white Italian soft fabric
- Miscellaneous storage and drawers
- Corian flooring
- Glass mosaic on shower walls.
- 1 x Custom made counter top in Corian with two integrated sinks
- 2 x Vola lavatory faucets, wall mounted
- 1 x Vola shower blender
- 1 x Vola roof-mounted rainshower
- 1 x Vola handheld shower wand
- 1 x Wall mounted mirror
- 10 x Spotlights
- 1 x Concealed light
- 1 x Deck window operable for ventilation
- 1 x Towel warmer
- 1 x Tecma silent flush toilet
- 1 x Custom made toilet paper holder in Corian
- 1 x Custom made glass shower enclosure
- 1 x Air conditioning diffuser
- 1 x Webasto air conditioning control unit
- 1 x selectable opacity glass wall between Owner's cabin/bathroom
- 2 x 220V outlets

#### **VIP GUEST CABIN:**

- Woodwork in select grade teak, varnished in six layers

- Doors, front panels, and drawer panels made in ultra-light-weight foam and vacuum-applied teak veneer
- Roof panels in off-white Italian soft fabric
- Oiled teak flooring
- Miscellaneous storage and drawers
- 1 x 20cm thick mattress with Sunbrella interior cover
- 1 x 7cm thick makeup mattress with Sunbrella interior cover
- 1 x Samsung 42" TV
- 1 x Blu-Ray player
- 1 x Apple TV connected to onboard Wi-Fi and Mac mini
- 4 x Sonance Sound roof mounted speakers
- 1 x Control4 sound zone – VIP cabin [radio/mp3/streaming from iPhone or onboard Mac mini]
- 1 x Apple iPod with Control4 remote control for TV/sound/Blu-Ray
- 1 x Raymarine 7" Multi-display
- 2 x USB outlets
- 2 x 220V outlets
- 1 x Delta Air 24V ventilation system
- 1 x Air conditioning diffuser
- 1 x Webasto air conditioning control unit
- 8 x Spotlights
- 2 x Bedside lights
- 6 x Concealed lights
- 4 x Side windows
- 3 x OceanAir manual blinds for windows
- 1 x Lewmar deck hatch 80 x 80 cm with integral blind and mosquito screen
- 1 x Fire alarm
- 1 x Fire extinguisher
- 1 x Fire blanket

#### **VIP GUEST CABIN BATHROOM**

- Woodwork in select grade teak, varnished in six layers
- Doors, front panels, and drawer panels made in ultra-light-weight foam and vacuum-applied teak veneer
- Roof panels in off-white Italian soft fabric
- Oiled teak flooring
- Miscellaneous storage and drawers
- Corian flooring. Glass mosaic on shower walls
- 1 x Custom made counter top in Corian with integrated sink
- 1 x Wall mounted mirror
- 1 x Vola wall mounted lavatory faucet
- 1 x Vola shower blender
- 1 x Vola handheld shower
- 1 x Towel warmer
- 6 x Spotlights
- 1 x Concealed light
- 1 x Tecma silent flush toilet
- 1 x Custom made toilet paper holder in Corian
- 1 x Custom made glass shower enclosure
- 1 x Deck window operable for ventilation
- 2 x 220V outlets

#### **DAY HEAD:**

- Woodwork in select grade teak, varnished in six layers
- Doors, front panels, and drawer panels made in ultra-light-weight foam and vacuum-applied teak veneer
- Roof panels in off-white Italian soft fabric
- Oiled teak flooring
- Miscellaneous storage and drawers
- 1 x Siemens washing machine, 5kg loads
- 1 x Siemens dryer
- 1 x Iron with ironing board integrated in custom-made storage locker
- 1 x Tecma silent flush toilet

- 1 x Delta Air 24V ventilation system
- 1 x Deck window operable for ventilation
- 6 x Spotlights
- 1 x Fire alarm
- 1 x Fire blanket
- 1 x Fire extinguisher

**2 X GUEST CABINS** [specifications are “per each”]:

- Woodwork in select grade teak, varnished in six layers
- Doors, front panels, and drawer panels made in ultra-light-weight foam and vacuum-applied teak veneer
- Roof panels in off-white Italian soft fabric
- Oiled teak flooring
- Miscellaneous storage and drawers
- 20cm thick mattresses with Sunbrella interior cover
- 1 x Samsung 28” TV
- 1 x Blu-Ray player
- 1 x Apple TV connected to onboard Wi-Fi and Mac mini
- 2 x Sonance Sound roof mounted speakers
- 1 x Control4 sound zone — Guest 1/2 [radio/mp3/streaming from iPhone or onboard Mac mini]
- 1 x Apple iPod with Control4 remote control for TV/sound/Blu-Ray
- 1 x Delta Air 24V ventilation system
- 2 x USB outlets
- 2 x 220V outlets
- 1 x Air conditioning diffuser
- 1 x Webasto air conditioning control unit
- 6 x Spotlights
- 3 x Bedside lights
- 6 x Concealed lights
- 2 x Side windows
- 3 x OceanAir manual blinds for windows
- 1 x Fire alarm
- 1 x Fire extinguisher
- 1 x Fire blanket

**2 X GUEST CABINS BATHROOMS** [specifications are “per each”]:

- Woodwork in select grade teak, varnished in six layers
- Doors, front panels, and drawer panels made in ultra-light-weight foam and vacuum-applied teak veneer
- Roof panels in off-white Italian soft fabric
- Miscellaneous storage and drawers
- Corian flooring
- Glass mosaic on shower walls
- 1 x Custom made counter top in Corian with integrated sink
- 1 x Wall mounted mirror
- 1 x Vola wall mounted lavatory faucet
- 1 x Vola shower blender
- 1 x Vola handheld shower wand
- 1 x Towel warmer
- 1 x Tecma silent flush toilet
- 1 x Custom made toilet paper holder in Corian
- 2 x 220V Outlets
- 6 x Spotlights
- 1 x Concealed light

**CREW CABIN:**

- Woodwork in select grade teak, varnished in six layers
- Doors, front panels, and drawer panels made in ultra-light-weight foam and vacuum-applied teak veneer
- Roof panels in off-white Italian soft fabric
- Oiled teak flooring
- Corian on shower floor

- Miscellaneous storage and drawers
- 1 x Opacmare manual pantograph door
- 1 x Stainless steel custom made staircase
- 4 x 16cm thick mattresses with Sunbrella interior cover.
- 3 x 7cm thick makeup mattress with Sunbrella interior cover
- 1 x Samsung 24" TV
- 1 x Blu-Ray player
- 1 x Delta Air 24V Ventilation system
- 2 x USB outlets
- 2 x 220V outlets
- 1 x Air conditioning diffuser
- 1 x Webasto air conditioning control unit
- 8 x Spotlights
- 2 x Bedside lights
- 6 x Concealed lights
- 4 x Deck windows
- 4 x OceanAir manual blinds for windows
- 1 X Raymarine [repeater] display
- 1 x Fire alarm
- 1 x Fire extinguisher
- 1 x Fire blanket
- 1 x Isotherm marine refrigerator
- 1 x Microwave
- 1 x Sink with Vola faucet
- 1 x Tecma silent flush toilet
- 1 x Shower with Vola blender and handheld shower wand

#### **ENGINE ROOM:**

- 3 x Volvo Penta IPS 1200 systems – motor, pod, integrated control systems, etc.
- 1 x Volvo Penta electronic steering system
- 2 x Volvo Penta electronic gear/throttle [main/flybridge]
- 4 x Volvo Penta docking stations/joystick [main/flybridge/SB aft wing/P aft Wing]
- 2 x Volvo Penta 7" engine data surveillance [main/flybridge]
- 1 x Volvo Penta trip computer
- 1 x Volvo Penta GPS anchor program [Dynamic Positioning System, or DPS]
- 3 x Twin pre-filters with crossover and "hot swap" valving [can be changed whilst underway]
- 1 x Engine room light
- 1 x Automatic fire extinguish system
- 1 x Manual fire extinguisher
- 1 x Automatic bilge pump with alarm and sensor
- 1 x Manual bilge pump
- 2 x 220V Outlet
- 1 x 12V Outlet
- 1 x 24V Outlet
- 1 x Set Humphree interceptors 1,400 mm with automatic trim/list and twin controls [main helm + flybridge helm]
- 1 x SeaKeeper M16000 gyrostabilizer with controls
- 2 x Delta Air custom marine engine room ventilation, inlet and outlet with 230V and remote controlled fans

#### **TENDER AND TENDER GARAGE:**

- 1 x Williams 385 Tender
- 1 x Stainless steel slider system for Tender
- 1 x HB Technik electrohydraulic winch with controls
- 1 x HB Technik electrohydraulic garage door with controls

#### **MOORING:**

- 1 x Anchor, 80 kg, attached to 100 m stainless steel chain
- 1 x 24V Lewmar V-series windlass with capstan, foot switch and remote control
- 1 x Stainless steel custom made drop safe anchor mechanism
- 4 x Stainless steel custom made mooring cleats, bow



- 2 x Stainless steel custom made mooring cleats, amidships
- 2 x Stainless steel custom made mooring cleats, aft
- 2 x Stainless steel custom made mooring cleats, swim platform
- 4 x Stainless steel custom made fairleads, bow
- 2 x Stainless steel custom made fairleads, amidships
- 2 x 24V Lewmar mooring winches, aft mounted, with foot switches
- 2 x Custom made amidships doors

#### **EXTERIOR STORAGE**

- 1 x Oversized anchor and fender storage locker, bow
- 2 x Additional storages on foredeck with lights
- 1 x Outside locker with Opacmare pantograph door with:
  - 4 x Shelves approximately 80 x 80cm
  - 1 x EPIRB mounting plate
  - 1 x Line hook
  - 1 x Shurhold deck cleaning set

#### **FOREPEAK:**

- 1 x Bauer diving compressor [SCUBA]
- 1 x HRO Systems watermaker
- 2 x MasterVolt AGM batteries for windlass
- 1 x MasterVolt 35A/24V charger for windlass batteries
- 4 x Drawers
- 4 x Carbon fiber covered storage shelves approximately 2m x 0.7m
- 1 x Bilge pump
- 1 x Light
- 1 x Lewmar 80 x 80 deck hatch
- 1 x Access to anchor storage
- 1 x Stainless steel staircase

#### **ELECTRICAL:**

- 24V electrical by MasterVolt
- All distribution of 24V by MasterVolt digital bus system
- 2 x Fischer Panda 30KW gensets
- 2 x MasterVolt AGM 75AH genset starting batteries
- 3 x MasterVolt AGM 160AH main-engine starting batteries
- 8 x MasterVolt lithium 160AH service batteries
- 1 X Frequency converter/transformer for 110V @ 60Hz/220V @ 50Hz
- 1 x MasterVolt charger for main engine batteries @ 35A
- 1 x MasterVolt charger for genset battery @ 20A
- 4 x MasterVolt Mass Gi 7KW galvanic isolation system for shore power
- 2 x MasterVolt inverters, 5,000W each
- 2 x MasterVolt 10" displays for status and control of the electrical systems [crew cabin/main station]
- 4 x Remote main service battery switches
- 2 x 220V ground leak switches
- 2 x 32A shore power cables
- 1 x Set of Lopolight led navigation lights
- 2 x Horns

#### **TECHNICAL/MECHANICAL SYSTEMS:**

- 2 x Water heaters, 80 l each
- 1 x Freshwater system with dual freshwater pumps and accumulator tank, 230V
- 1 x Jabsco washdown pump with 2 hose bibbs [fore deck + aft deck]
- 1 x HRO Systems watermaker 220V, 60 LPH
- 1 x Bauer diving compressor, 220V
- 1 x Webasto air conditioner 160,000 BTU
- 1 x Webasto triple compressor chiller
- 6 x Webasto fancoils, salon
- 1 x Webasto fancoil for each cabin
- 1 x Webasto fancoil for owner's bathroom

- 1 x Webasto diesel-heated heat exchanger water loop for obtaining heat without using the compressors
- 6 Underwater led lights, white
- 5 x 24V bilge pumps with float switch and alarm
- 3 x Manual bilge pumps
- 3 x Wiper motors with variable speed and twin arm
- 1 x Wiper washdown pump and reservoir
- 1 x Opacmare passerelle with remote and fixed controls
- 1 x Opacmare carbon fiber "transformer" swim platform for launch of additional toy or to be used as passerelle
- 1 x Raymarine controlled satellite TV system
- 1 x Wi-Fi system
- 1 x Delta Air 24V ventilation system, 1 unit for each cabin and 2 units for salon area

#### **SAFETY EQUIPMENT**

- 12 x Automatic life vests
- 2 x Life rafts, 8 persons each
- 2 x Jon Buoy, carbon fiber finish
- 1 x Set, flares
- 1 x Toolkit
- 1 x Set cordless drill
- 1 x Set first aid kit
- 1 x Set Volvo Penta spare parts
- 2 x Raymarine handheld VHF's
- 1 x EPIRB, fixed mounting
- 1 x Portable emergency bilge pump with 20m hose
- 12 x Custom made inflatable fenders
- 12 x Mooring lines in various lengths
- 1 x Spare anchor with 50m line