

GENERAL PARTICULARS

General

Yacht : Truly Classic 79
Architect : Hoek Design Naval Architects BV, Edam, Holland
Yard : Maas Marine

General dimensions

Length hull o.a. : 23.98m
Length hull at DWL : 18.24m
Beam o.a. : 5.88m
Draught : 3.20m
Lightship displacement at DWL approx. : ca. 62 ton
Total Ballast weight : ca. 15 ton

Keel and rudder (not fitted due to transport restrictions)

Keel type : Finkeel with bulb
Rudder type : Rudder balanced with half skeg.

Rig

The rig is designed and specified but not provided.

Type : Ketch rigged with slab reefing.
Headsails : Provided with manual furl to electric winches.

Main mast

Specified but not provided.

Type : Keel stepped
I measurement : 27.50 m
J measurement : 7.30 m
P measurement : 25.50 m
E measurement : 6.90 m
Total length mast section : 29.50 m
Half chain plate width : 2.30 m
Righting moment 1 degree : 1500 kgm

Mizzen mast

Specified but not provided.

Type : Keel stepped
P measurement : 20.00 m
E measurement : 6.50 m
Total length mast section : 24.00 m
Half chain plate width : 2.30 m

Tank capacities

Water tanks approx. : ca. 1410 litres
Fuel tanks approx. : ca. 2200 litres
Black water tanks : ca. 800 litres
Grey water tank : ca. 700 litres

Main Steering system

Type	: Custom wire and quadrant manual system
Reduction	: approx 3½ turns of wheel portside - starboard Wheel diameter 1200 mm
Autopilot	: NKE 2 Hydrive hydraulic
Inside Helm	: Hydrive Admiral hydraulic

Propulsion arrangement

Main engine	: Perkins 215C
Max. Power (continuous duty)	: 158kw 215hp
Rotations	: 2500 rpm
Weight (no gear box)	: 609kg
Gearbox	: Twin disc ratio 2.88:1
Propeller	: Custom 2205 Duplex Stainless Steel Hydralign feathering.
Tunnel thruster	: Lewmar 300TTH 35hp hydraulic with custom SAF 2205 Stainless Steel tube and custom doors.

Electrical installation

A. 24V DC

- service battery bank 24V, 1392 Ah @ 12V, Firefly AGM
- start battery bank main engine 12V, 232 Ah, Firefly AGM
- start battery bank generator 12V, 116Ah, Firefly AGM
- charging by main engine alternators, 24V, 150A and 1x 10 Kva Northern Lights generator M843NW3G.
- 2x Victron Quattro 24/5000 120A Inverter / Charger

B. 230 V AC

- shore power transformer 32A 230/115VAC 50/60Hz input - 5000W Victron

C. Generators:

- 10 Kva cruising Northern Lights

D. Solar Panels: * Specified but not provided..

- 4 on deckhouses 300W each - Removable.

Other systems aboard

Winches	: Andersen stainless steel
Mast and boom	: Custom Aluminium * Specified but not provided.
Standing rigging	: Dyform Wire - 2205 Custom Rod for DI Main * Specified but not provided.
Bowthruster	: Lewmar Tunnel 300TTH
Headsail furlers	: Manual Harken IV * Specified but not provided.
Anchor winch	: Muir - VCR8000 Vertical Hydraulic
Deck hardware	: Lewmar/Harken/Antal
Boiler	: Hurricane Diesel
Water heater	: Isotherm 75 ltrs
Toilet system	: 2x Tecma Silence Plus + Raritan PH11
Refrigeration	: 2 independent units - Frigoboat 24V + freezer custom Frigoboat compressor
Pumps	: Jabsco & Whale
Air-conditioning	: Marine Air - 1x 12 BTU unit for forward cabin, 2x 18 BTU units for saloon, 1x 16 BTU unit for aft cabin.

1 CONSTRUCTION HULL & SUPERSTRUCTURE

1.0 Contents

- 1.1 Hull construction
- 1.2 Frames
- 1.3 Floors
- 1.4 Girders and stringers
- 1.5 Hull plating
- 1.6 Deck
- 1.7 Coachroof and cockpit
- 1.8 Watertight bulkheads
- 1.9 Main engine box
- 1.10 Deck openings
- 1.11 Chain plates
- 1.12 Anchor system
- 1.13 Bulwark
- 1.14 Keel
- 1.15 Rudder
- 1.16 Ballast
- 1.17 Tanks
- 1.18 Foundations
- 1.19 Shaft tube and p-bracket
- 1.20 Chain locker
- 1.21 Through hull fittings
- 1.22 Miscellaneous

1.1 Hull construction

The hull is entirely welded SAF 2205 stainless steel construction. The hull is built according to the regulations of Lloyd's Register.

Plating	: SAF 2205 SS, thickness as per engineers stress analysis drawing etc.
Profiles	: SAF 2205 SS, thickness as per engineers stress analysis drawing etc.
Web frames	: SAF 2205 SS, thickness as per engineers stress analysis drawing etc.
Piping	: SAF 2205 SS
Welding	: Pulse-mig - Sandvik 2205 coated wire

All welds, hull outside, and grey water tank are disc ground (P36/P80). Local unfairness of maximum 3mm are accepted. Welds that are seen after completing the construction are ground. Sharp edges are rounded.

All welding to be staggered for minimum heat build up. All welding to Lloyds approval. Hull welds to be X-Rayed.

All stainless to be sandblasted inside and out after welding over entire SS surface area. Pickling to be removed by high pressure water blasting.

1.2 Frames

Frames are built out of plating with flanges.

Frame spacing	: As per engineers drawings, but normally 500mm
Normal frames	: As per engineers drawings.
Web frames	: As per engineers drawings.

1.3 Floors

Centre Floors	: As per engineers drawings.
Side Floors	: As per engineers drawings.
Keel floors	: As per engineers drawings.
Engine floors	: As per engineers drawings.
Mast floors	: As per engineers drawings.

Floors are provided with drain holes. Sharp edges are rounded.

1.4 Girders and stringers

Centre and side girders	: As per engineers drawings.
Engine girder	: As per engineers drawings.
Mast base	: As per engineers drawings.
Intercostals hull	: As per engineers drawings.

Girders and stringers are provided with drain holes. Sharp edges are rounded.

1.5 Hull plating

Hull plating in way of keel	: As per engineers drawings.
Hull plating under c.w.l.	: As per engineers drawings.
Skeg	: As per engineers drawings.
Turn of Bilge	: As per engineers drawings.
Side plating	: As per engineers drawings.
Transom plating	: As per engineers drawings.

1.6 Deck

Deck is to be stainless steel SAF 2205

Deck beam spacing	: As per engineers drawings.
Deck plating	: As per engineers drawings.
Deck plating in way of mast	: As per engineers drawings.
Intercostals	: As per engineers drawings.

Deck plating thickness will increase for deck equipment and winches.

Tank top	: 4mm
Bow plating	: 6mm
Cockpit drains (8x)	: 2x 80mm diam, 8mm wall - SAF 2205 tubes to Lloyds.
Deck drains	: 2x outlets per side exit the hull 50mm above cove line.

1.7 Coachroof and cockpit

Aft coachroof

The aft coachroof are constructed of 3mm stainless steel SAF 2205 and covered with teak. The coachroof are provided with 2 flush opening skylights, teak handrails and 6 fixed windows.

Forward coachroof

The fwd coachroof is constructed of 4mm stainless steel 2205 and covered with teak on the outside. The coachroof are provided with one companionway, 2 flush opening skylights, teak handrails and 9 fixed flanged windows. Reinforcements are inserted where required by deck fittings.

Center cockpit

4mm stainless steel SAF 2205 centre cockpit recessed in deck including seats, 5 skylights, backrests and removable cockpit floor for major engine overhauls.

Cockpit plating : 4mm

2x Cockpit drains: : 80mm diam, 8mm wall - stainless steel tubes

Companionway hatches : custom made - to saloon and aft cabin

1.8 Watertight bulkheads

Watertight bulkheads : As per engineers drawings.

Stiffeners : As per engineers drawings.

Watertight doors : As per engineers drawings.

Following watertight bulkheads are fitted:

Anchorlocker aft bulkhead with watertight access door

Forward cabin aft bulkhead with watertight access door

Galley aft bulkhead - galley/crew cabin with watertight access door

Engine room bulkheads - with 2 watertight doors

Master cabin aft bulkhead

1.9 Engine room

Watertight engine room is constructed of 4mm SAF 2205 plate with stiffeners

T50x30x5mm . Access to the engine room through 2 watertight doors in the stb crew cabin and day head, additionally one bolted engine service hatch to galley.

1.10 Deck openings

Cut outs in deck for two (2) crew companionway hatches - 1 saloon, and 1 aft cabin.

5mm SAF 2205 constructed clad with teak. Cut outs in deck for five (5) raised hatches - three (3) with dorades with one (1) custom deckhatch to sail storage area, flush mounted in construction deck, and stainless steel drains integrated in hull construction. Flush deck hatches aft to gas and petrol storage with drains, aft lazarette and smaller access hatch.

1.11 Chain plates

Chain plates to be made of SAF 2205 Stainless steel. Chain plates incorporated in web frames.

1.12 Anchor system

316 SS anchor roller and Muir VRC 8000 anchor winch. Chain locker is positioned in the forepeak.

Custom anchor holding system.

1.13 Bulwark

Stainless steel closed, bulwark with recesses for deck drains. Fourteen (14) oval openings for fairleads. As per engineers drawings.

1.14 Keel

SAF 2205 Stainless steel keel construction with torpedo shape bulb.

Keel plating : 10mm and 8mm

Bulb plating : 6mm

Keel bottom : 20mm

Keel floors : 10mm

Keel is integrated in hull construction. Diesel tank integrated in keel in exterior.

1.15 Rudder

SAF 2205 SS balanced rudder on SAF 2205 SS skeg are fitted. 110mm Rudder shaft to be 2205 SS. Rudder shaft to fit dual quadrant and emergency tiller on top of the shaft. Steel foundation for hull and top bearing as per drawings.

Rudder plating : 6mm

Rudder floors : 6mm

Skeg : 8mm - 10mm

Bottom of rudder shaft on shoe with rudder to turn on custom thrust bearing.

Quadrant & tiller arms attended by custom taper locks.

1.16 Ballast

The keel is provided with 15 t lead. As per engineers drawings.

1.17 Tanks

General

2x Water tanks are intergrated SAF 2205 SS and pressure tested - 2 fwd 705l each. Tanks and piping are cleaned out thoroughly before closing off. Extra stainless venting pipes for water tanks are built in similar to the filling pipes. The tanks are provided with swash bulkheads and large bolted inspection holes.

Fuel tanks

2x integrated 2205 SS fuel tanks as per construction plan 705l each P & S, plus 1 in keel 800l. Tanks with inspection hatches, stainless steel filling and vent pipes, piping connections and a connection for level gauges. Cross over between the three large tanks with manifolds and valves and pumps so p & s can be used for ballast and are used to fill keel tank.

Sewage blackwater tanks

4x polypropelyne sewage water tanks 1 for each head approx 200l each - venting to masts.

Twin Macerator pumps to 2 deck outlets dayhead and fwd cabin combined by 2 way valve and lockable overboard discharge. Tank with inspection hatches, piping connections, and a connection for level alarm.

Greywater tank

Integrated 2205 tank. Capacity approx. 700 ltr. Tank venting through mizzen mast, Macerator pump to out manifold for overboard discharge. 3 Large inspection hatches bolted with gaskets.

1.18 Foundations

- Main engine foundation.
- Generator foundation.
- Bowthruster foundation.
- Mounting devices for installation parts.
- Rudder bearing foundations.
- Foundations for winches and deck equipment.
- Steering rams and autopilot foundations.

All in SAF 2205 Stainless Steel

1.19 Shaft tube

Steel stern tube integrated into hull - SAF 2205 SS for 75mm shaft.

1.20 Chain Locker

Stainless steel chain locker with access from watertight hatch in sail locker. Chain locker will drain direct overboard. The chain locker is fitted with a bitter end strongpoint, within easy reach from outside of chain locker hatch. Base and part sides protected by conveyor belting.

1.21 Through hull fittings

All 3 through hull fittings for overboard or seawater inlet connections are SAF 2205 SS with 2205 stainless ball valve seacocks.

- 1x inlet for central water intake, 3" - to sea chest.
- 1x inlet for watermaker - from sea chest.
- 1x outlet for grey water, 1" - to outlet manifold.
- 1x outlet for standpipe, 3"- with seacock and manifold.
- 1x outlet for main engine separator 3" - to Y to 3" seacock.
- 1x outlet for generator separator, 2"-to Y to 3" seacock.
- Holders for depth sounder, speed log and Sonar.
- 2x deck drains on either side. Hull outlets above W/L.
- 1x outlet for main engine exhaust.
- 1x outlet for generator exhaust.
- 1x outlet for Hurricane diesel heater exhaust.
- Black water outlet is stainless in deck and in hull.

1.22 Miscellaneous

- 4 flush holders for anodes in hull, anodes to be insulated and connected to hull through interior bolting. Rudder and shaft to be connected to hull by brushes.
- Stainless Steel Winch foundations integrated in cockpit coaming.
- Deck and cockpit drains - Stainless Steel.
- Cockpit hatches according to plans and opening portlights to Lloyds 3 per side.
- Octagonal Stainless Steel steering pedestal.
- Stainless bilge pipes to Lloyds.

2 STEERING INSTALLATION

2.0 Contents

- 2.1 Steering system
- 2.2 Cable system
- 2.3 Steering wheel
- 2.4 Pedestal
- 2.5 Rudder shaft bearings
- 2.6 Emergency tiller
- 2.7 Autopilot
- 2.8 Fixtures

2.1 Steering system

Hydraulic Hydrive custom system with Admiral Pump. This system is used for inside helm.
Hydraulic Hydrive custom system with electric motor and solenoids for autopilot.

2.2 Cable System

This is used for the outside helm and is totally separate. The hydraulic system is reverted to free flow when in use.

2.3 Steering wheels

Matching twin spoke steering wheels. Outside wheel 1200 mm diam and inside steering wheel 900mm.

2.4 Pedestal

Custom built stainless steel octagonal pedestal, with binnacle for 8" Sestrel steel compass fitted.

2.5 Rudder shaft bearings

Fixed commercial ship Vesconite Hilube for hull bearing and bottom bearing with retaining rings.
Custom thrust roller bearing in lazarette.

2.6 Emergency tiller

Top of rudder shaft is square to take an emergency tiller which can be fitted from the deck through a standard st. st deck fitting.

2.7 Autopilot

2 Autopilots from NKE, running on 24V. The systems shall be connected to the compass and wind meters. NKE Regatta compass is installed. Auto pilot controls placed at forward steering station wheel and at aft steering station.

- One Hydrive hydraulic unit connected to Hydrive hydraulic system.
- Spares - 1 control unit NKE.
- 1 Rudder reference unit.

2.8 Fixtures

Both steering systems are fixed to the rudder shaft by the use of taper locks and castor arms for the rams and quadrant for the cable.

3 MAIN ENGINE INSTALLATION

3.0 Contents

- 3.1. Main engine & gearbox
- 3.2 Throttle control
- 3.3 Engine controls & alarms
- 3.4 Exhaust system
- 3.5 Propeller shaft system
- 3.6 Flexible V Bracket mounting

3.1 Main engine and gearbox

Main engine is a Perkins 215C, with Twin Disc 5075A gearbox. Downangle 10 deg. reduction gearbox ratio 2.88:1. The engine is equipped with one manual clutch Jabsco bilge pump, and two Electradyne 24V 150A alternators and a Vickers variable displacement hydraulic pump for the bow thruster and anchor winch.

3.2 Throttle and gear controls

Kobelt cable duplicate at both steering stations.

3.3 Engine control & alarms

Main engine is fitted with the following items:

- * Analogue revolution counter.
- * Analogue oil gauge with audio alarm.
- * Analogue temperature gauge for cooling system with audio alarm.
- * Exhaust temperature alarm.
- * Start switch outside, key override inside.
- * Stop switch outside.
- 'Tacho' gauge
- * in fwd steering position in cockpit only.

3.4 Exhaust system

Combined wet and dry exhaust system consists of:

Water injectors
Outlet hose, rubber 5"
Taylor muffler box
Taylor water separator
Hull outlet at stern

3.5 Propeller shaft system

Water lubricated, propeller shaft tube with Vesconite Hilube bearings and custom stuffing box in 2205. Shaft dia. 75mm, with 4 bladed custom Hydralign 2205 feathering propeller, diam. approx. 900 mm. Aquadrive antivibration and thrust system.

3.6 Flexible mounting

Main engine and gearbox are mounted on Aquadrive rubber supports.

4 GENERATOR

4.0 Contents

- 4.1 Generator
- 4.2 Parts
- 4.3 Generator controls & alarms
- 4.4 Exhaust system
- 4.5 Solar Panels
- 4.6 Alternator

4.1 Generator

10 Kw Northern Lights M843NW3G. The generator is mounted on Polyflex supports. Generator is fitted with a Jabsco cooling pump for easy maintenance.

4.2 Parts

1x 12 V 116Ah starter Firefly battery. Control panel

4.3 Generator controls & alarms

Generator controls and alarms at RCP:

- on/off switch
- start/stop button
- Oil pressure alarm
- Temperature optic alarm
- Voltage optic alarm
- Error state optic alarm
- Engine hours counter
- Exhaust temp alarm

Start panel in RCP @ located at the electrical panel.

4.4 Exhaust system

Wet/dry exhaust system consists of water injector, rubber hose, muffler boxes, separator and hull outlet. The exhaust system is designed to ensure maximum reduction of the noise level.

4.5 Solar Panels (*specified but not provided*)

4x 300W solar panels to be used in place of a 2nd generator.

4.6 Alternator

2x 150A 24V alternators fitted to front of crankshaft on Perkins engine.

5 BOWTHRUSTER

5.0 Contents

- 5.1 Bowthruster
- 5.2 Doors
- 5.3 Power
- 5.4 Controls

5.1 Bowthruster

Manufacture : Lewmar 300 TTH 400 Series
Type : Tunnel Hydraulic
Power : 35 hp
Custom 2205 Steel tunnel and custom doors.

5.2 Doors

Custom articulated doors that in the open position are parallel to the hull.
Doors operated by 200kg 24V actuators with integral limit switches.

5.3 Power

One engine driven Vickers hydraulic PVH131 Variable displacement pump to anchor winch, and bowthruster.

5.4 Controls

Control of thruster by means of 2 foot buttons in cockpit aft station for thruster direction control behind steering wheel. Control panel in cockpit main steering station with ON/OFF button, which also opens doors.

6 ANCHOR SYSTEM

6.0 Contents

- 6.1 Anchor winch
- 6.2 Equipment
- 6.3 Anchors
- 6.4 Chains, ropes & fittings

6.1 Anchor winch

Anchor winch, Muir VCR 8000 vertical gipsy and capstan, hydraulic driven.
Custom gypsy is to fit 16 mm stud link chain by Muir.
Control of winch by means of remote control at helm and floating control.

6.2 Equipment

Anchor roller arrangement in bow (at peak). Claw and turnbuckle to bollard.
Stowing - double action box on port side and line roller only starboard.

6.3 Anchors

Bow anchor : Plough 137kg anchor. Make Manson HHP.
Stern anchor : Bronze fisherman.

6.4 Chains, ropes and fittings

- Anchor chain: 16 mm Studlink Length 120m. Stowed in chain locker in fore peak. The chain locker is fitted with rubber conveyor belting to dampen noise.
- Anchor rope: Length 180m with 10m 14mm short link SS chain. Stored in bottom of sail locker.
- Stern Anchor rope: Length 120m with 6m 14mm short link stainless steel chain. Stored in lazarette.
- Fitting at waterline to attach snubber thereby reducing scope required in crowded anchorage.

7 BILGE SYSTEM

7.0 Contents

- 7.1 General
- 7.2 Bilge pumps
- 7.3 System
- 7.4 Piping
- 7.5 Alarms

7.1 General

Every bilge compartment shall have a means of pumping. All bilge lines to be fitted with strainers, valves and alarm switches. All strainers are easily accessible. Nuisance water to be cleared with whale sub pumps.

7.2 Bilge pumps

- 2" Jabsco main engine driven with electric clutch to central bilge manifold.
- 2 manually operated pumps, Jabsco 136 litres/minute, connected to central bilge manifold, 1 positioned in cockpit under aft helm seat, + 1 in crew head.
- 240V crash pump on lead for emergencies.

7.3 System

The following areas are fitted with bilge suction lines going to central bilge manifold.

- bilge fore cabin
- bilge midship
- bilge aft cabin
- bilge engine compartment

7.4 Piping

Stainless steel piping. Diameter 40 mm.

7.5 Alarms

Optic and acoustic alarms for:

- bilge fore cabin
- bilge midship
- bilge aft cabin
- bilge engine compartment

8 SEAWATER SYSTEM

8.0 Contents

- 8.1 Seawater inlet
- 8.2 Standpipe

8.1 Seawater inlet

Seawater inlet provided with 2205 3" ball valve. Fitted on top are a stainless steel strainer with basket. Sea chest supplying raw water to:

- main engine heat exchanger
- generator heat exchanger
- watermaker
- deckwash
- air conditioning pump
- spare

8.2 Standpipe

Standpipe are fitted for the following items:

- overboard bilge
- overboard watermaker
- grey water
- air conditioning pump

9 ANCHOR AND DECK WASH SYSTEM

9.0 Contents

- 9.1 Anchor and deck wash pump

9.1 Anchor and deck wash pump

Salt water anchor wash to pick up from inlet in engine room and run forward to both deck and anchor wash by Electric pump. Ball valves in sail locker to switch between anchor and deck wash.

10 FUEL SYSTEM

10.0 Contents

- 10.1 Fuel oil tanks
- 10.2 Fuel oil filters
- 10.3 Piping
- 10.4 Fuel Polishing System
- 10.5 Engine oil tanks

10.1 Fuel oil tanks

In total three integrated SAF 2205 stainless steel storage tanks.

- One storage tank on P.S.,
- One storage tank on S.B.,
- One keel tank

Each tank is fitted with a level indicator, plus dip stick and connections for suction and return lines.
Total 2200 litres.

10.2 Fuel oil filters

Double Racor 900 fuel filters for main engine. Single Racor 900 for generator and dedicated large filter for fuel polishing system.

10.3 Piping

- Connection to engines : hose ISO7842 A1
- All valves : Stainless Steel

10.4 Fuel Polishing System

A custom polishing system with manifold to polish 1 tank at a time and transfer fuel between tanks.
System to use Racor filters.

10.5 Engine oil

Containers under floor in crew cabin is to be used for dirty and clean engine oil.

11 FRESH WATER SYSTEM

11.0 Contents

- 11.1 Fresh water tanks
- 11.2 Hydrophore
- 11.3 Hot water system
- 11.4 Watermakers
- 11.5 Piping and accessories
- 11.6 Filters

11.1 Fresh water tanks

In total 2 stainless steel storage tanks, approx. 705 ltr each.

11.2 Hydrophore

Water pressure pump: Whale Double Stack including pressure switch.

11.3 Hot water system

Isotemp boiler 75ltrs. Boiler can be heated electrically and via a heat recovery system from main engine.

11.4 Watermakers

- a) Echotech 100 L/hr 240V with freshwater flush and Pre/Oil filters.
- b) Echotech belt driven 100 L/hr from clutch on generator.

11.5 Piping and accessories

All hot piping is Goodyear Ortac 250.
All cold water piping is to be food grade - Hoseco 145 psi.

11.6 Filters

All heads and galley to be fitted with Seagull 1V-X-2 filters each to cold water only.

12 FIRE FIGHTING INSTALLATION

12.0 Contents

- 12.1 General
- 12.2 Fire extinguishers
- 12.3 Engine room fire extinguisher
- 12.4 Various

12.1 General

The fire fighting installation will comply with CE and MCA regulations.

12.2 Fire extinguishers

One BCF extinguisher placed next to the galley.
Five AFFF extinguishers, 1 placed in forward cabin, 1 aft cabin, 1 crew cabin, 1 under nav desk.

12.3 Engine room fire extinguisher (*Specified but not provided*)

The engine room are equipped with a Fire Protection Technologies system MA2 Series CG20450227-B including alarms and sirens. All air inlets and outlets filled with automatic dampers.

12.4 Various

One fireblanket is placed in the galley.
Battery operated Nest smoke detectors in each cabin and saloon.

13 HANDHYDRAULICS

13.0 Contents

- 13.1 Backstay
- 13.2 Boomvang
- 13.3 Outhaul
- 13.4 Control panel - Main

13.1 Backstay (*Specified but not provided*)

Hydraulic backstay tensioner limited due to swept back spreaders but must be able to tension forestay.

13.2 Boomvangs (*Specified but not provided*)

Two Navtec boomvang stainless steel cylinders operated by hand Hydraulic pump located at aft cockpit seat.

13.3 Outhauls (*Specified but not provided*)

Manual outhauls to winches.

13.4 Control panel - Main

One Navtec single speed, 4-function panel fitted in aft cockpit, to port of main helm.
Installation including oil tank, piping and deck connections.

14 HYDRAULICS

14.0 Contents

- 14.1 Hydraulic system
- 14.2 Main engine pump
- 14.3 Controls
- 14.4 Bowthruster
- 14.5 Piping and fittings

14.1 Hydraulic system

The hydraulic system is driven by the Vickers variable displacement main gearbox PTO driven pump. The oil tank is large enough to supply the system and allow for sufficient cooling.

14.2 Main engine pump

Load sensing pump, Vickers PVH131. The pump is mounted to gearbox PTO. Drives anchor winch and bow thruster.

14.3 Controls

Engine driven Vickers pump to switch between anchor winch and bow thruster by solenoids to manifold.

14.4 Bowthruster

Lewmar 300 TTH Tunnel thruster in SAF 2205 8mm wall tunnel with custom doors.

14.5 Piping and fittings

All hydraulic hoses and fittings are high quality, Europower, o.e.
The hydraulic ringmain is steel, All fittings are flare type material stainless steel.
All fittings and valveblocks in the forepeak are stainless steel.
All end connection are flexible hydraulic hose.

15 GREY WATER SYSTEM

15.0 Contents

- 15.1 Tank
- 15.2 Pump
- 15.3 Shower pumps
- 15.4 Accessories

15.1 Tank

Integral SAF 2205 tank. Capacity approx. 700 ltr. 3 Large inspection hatches bolted with gasket.

15.2 Grey water pump

1 off 24V Jabsco waste macerator pump in parallel with manual switch. Pump to discharge overboard.

15.3 Sub pumps

Each of the 3 showers are fitted with a Whale system sump tank approx 8 ltr. Pump to be easily accessible. Pumps to discharge to grey water tank.

15.5 Accessories

- 3 wash basins
- Double galley sink
- 3 shower pans (custom built glass/epoxy)

16 BLACKWATER

16.0 Contents

- 16.1 Toilet installation
- 16.2 Pump
- 16.3 Blackwater Tanks
- 16.4 Venting

16.1 Toilet installation

Two toilets in white make: Tecma type: Silence and 1 Raritan PH11 manual in crew head. Toilets are flushed with fresh water directly into sewage tanks with manual pump switchable to discharge direct to sea.

16.2 Pumps

2x Jabsco 24V Waste Macerator Pumps to be fitted to allow for either discharge at sea, or to shore pump out by lockable valve.

16.3 Blackwater Tanks

4x Polypropylene sewage tanks separate to the hull. Tanks with inspection hatches, piping connections, dock plug and a connection for level alarm.

16.5 Venting

See chapter 18.

17 VENTILATION

17.0 Contents

- 17.1 Engine compartment ventilation
- 17.2 Interior ventilation
- 17.3 Fore and aft peak ventilation
- 17.4 General

17.1 Engine compartment ventilation

The engine compartment ventilation is based on a maximum air consumption of engine and generator and an air volume change of once per minute of the total engine compartment. The ventilator will start/stop by temperature thermostat control. Air inlet by means airgrille fitted in cockpit and 2 off 4" mushroom vents. Outlet is fitted with 24V DC Jabsco fan to 2" transom deck mushroom vent.

17.2 Interior ventilation

Stainless steel dorades for interior ventilation. All aircowls can be sealed by means of storm blinds. All dorades fitted with mushroom to outlet tubes so they can be sealed off/varied from interior.

17.3 Aft peak ventilation

Aft peak ventilation by means of dorade on aft deck.

17.4 General

All dorade boxes have above deck drains port and starboard.

18 FILLING & VENTING

18.0 Contents

- 18.1 Fuel tanks
- 18.2 Fresh water tanks
- 18.3 Grey water tank.
- 18.4 Black water tanks

18.1 Fuel tanks

Filling line 40mm diam on each tank with stainless steel filling caps marked "FUEL". Tanks have permanent venting by means of Ø20mm vent hose to underside of tail boxes fitted with mesh and floating ball caps.

18.2 Fresh water tanks

Filling pipes 40mm and main vent pipes 20mm fitted. Filling caps are marked "WATER". The vent pipes are stainless steel.

18.3 Grey water tank

Permanent ventilation in ABS pipe through the mizzen mast. Outlet approx 8 meters above deck level.

18.4 Black water tanks

Permanent ventilation in ABS pipe through the mizzen mast. Outlet approx 8 meters above deck level.

19 GAS SYSTEM & AIR COMPRESSOR

19.0 Contents

- 19.1 Gaslocker.
- 19.2 Security device.

19.1 Gaslocker

The stainless gaslocker is integrated in starboard sidedeck with drain/vent pipe directly overboard. Gaslocker to fit 4 x 9kg stainless gas bottles HSP1023, Ø318mm, height 485mm. Port side deck locker has 6 stainless steel jerry cans and 2 outboard tanks, also vented directly overboard.

19.2 Security device

Gas bottles are provided with a manual valve and a pressure regulator; manual valve near gas cooker, and one electrically operated shut off valve on the gas line by switch in the galley. Nereus Gas detector in galley.

20 HOUSEHOLD EQUIPMENT

20.0 Contents

- 20.1 Cooker
- 20.2 Miscellaneous

20.1 Cooker

A gimbling mounted gas cooker is placed. Cooker is, stainless steel with oven, make Ocean Chef XL 5 burner, fixing brackets are custom. The inside of the cooker recess is clad with 1mm brushed stainless steel plate.

20.2 Miscellaneous

The following items are installed:

- Microwave - Flatbed
- Washing machine - Dometic WMD 1050.
- Fanhood - Asko CC 4525 S.

21 COOLING AND FREEZING SYSTEM

21.0 Contents

- 21.1 Refrigeration
- 21.2 Freezer
- 21.3 Cabinets

21.1 Refrigeration

Two Frigoboat stainless steel refrigerators in galley, volume 115 and 130 ltrs. Thermostats with analogue display. Fridges are watercooled using port aft fresh water tanks.

21.2 Freezer

Custom freezer in galley, volume approx. 150 ltr. Thermostat with analogue display. Unit insulated with 60mm Silica Gel insulation. Hardware Frigoboat. Freezer watercooled using starboard aft watertank.

21.3 Cabinets

Fridge cabinets to be standard Frigoboat 24 V. Freezer to be custom made.

22 HEATING & AIRCONDITIONING

22.0 Contents

- 22.1 Heating System
- 22.2 Air-conditioning system
- 22.3 Installation
- 22.4 Piping and accessories

22.1 Heating System

The heating system is based on a Hurricane II Diesel Hydronic Heating System with

240V 1500 W alternative.

22.2 Air-conditioning system

Cruisair 12,000 BTU - Forward cabin. Cruisair 16,000 BTU - Aft cabin.
Cruisair 18,000 BTU x2 - Saloon. All units with soft start and salt water cooled.

22.3 Installation

Cooling water intake from the sea chest in engine room. Cooling water discharge through the stand pipe.

22.4 Piping and accessories

Seawater circulation pump supplied by air-conditioning manufacturer. Air ducts integrated in furniture. Cruiseair Digital Controls.

23 ELECTRICAL SYSTEM

23.0 Contents

- 23.1 General
- 23.2 24V DC system
- 23.3 240V AC system
- 23.4 Navigation lights
- 23.5 Interior illumination

23.1 General

The electrical system is designed so that it can be maintained by people with a basic knowledge of electrical systems. Three systems are installed:

- 12V system for instruments, etc
- 24V DC service system
- 240V AC system

23.2 24V DC system

- A. Main Board's, 24V DC. Custom locker.
The main switch board contains the following items:

Incoming service sources:

- Service battery bank 24V - 1392Ah @ 12V

Incoming start sources:

- Main Engine - Start battery bank 24V - 2 off 12V - 232Ah @ 12V with bridging switch to house
- Generator - 1 off Start battery bank 12V - 116Ah.

Battery Monitor:

- Victron BMV702 - DC shunt use also as separate unit for Engine Batteries.

Outgoing service sources:

- Inverter's - 2x Victron Quattro 24/5000/100
- Subdivision 24VDC

Outgoing start sources:

- Main engine
- Generator

- B. Subdivision:
- Circuit breakers
 - Separate sub board with circuit breaker for each electric winch
- C. Main Switches
- The following main switches are placed near the battery banks:
- Service battery (1392A/h)
 - 2x Start battery (232A/h) Engine and 1 x 116A/h generator
 - Emergency engine starts with Service batteries
 - Electric winch master switch
- D. Batteries & Chargers
- Batteries:
- Service battery Firefly 12 x 12 V/ 116 A/h
 - Start battery Firefly 2 x 12 V/ 116 A/h
 - Start battery Firefly 1 x 12 V/ 116 A/h
- Battery Chargers:
- 2x Victron Quattro 24/5000/120-100/100 240V AC/single phase
 - 2x Electrodyne 150 A 24V alternators main engine.
- E. 12 Volt System
- Victron 24-12V, 70 A converters, at each sub board
- F. Hydraulic controls
- Solenoid system Board for hydraulic functions placed in engine room.

23.3 240V AC system

The 240V AC system contains the following 4 items:

- 2x Victron Quattro 24/5000/120-100/100
- Victron shore power transformer 5000W
- 20m 32V shore power cable with stainless steel deck through fitting located port forward cockpit.
- remote control panel (240V part) contains following items:
 - shore power voltmeter 0-240V
 - shore power ampere meter
 - inverter power voltmeter 0-240V
 - inverter ampere meter

The mainboard 240VAC contains the following items:

- main circuit breaker generator/shore power
- 12 circuit breakers 240V supplies

23.4 Navigation lights (all mast lights specified but not provided)

All navigation lights to be Aquasignal Series 50 stainless steel

- 1x red light pulpit PS - SS Aquasignal 50 Series
- 1x green light pulpit SB - SS Aquasignal 50 Series
- 1x stern light pushpit - SS Aquasignal 50 Series
- 1x steam light mast - Hella Navi LED Pro 5 Mile
- 4x spreader lights main mast and 2 mizzen (2 port and 2 starboard)
- 1x all round red mast light
- 1x all round green mast light

- 1x all round red toplight
- 1x all round white toplight - Den Haan DHR60
- 2x decklight main mast and 2 decklight mizzen. On spreaders - Hella Seahawk-R LED recessed.

23.5 Interior illumination

All passage lights to be 12V Warm white LED and Red LEDs. Lumitec warm white/red dimming.
At anchor, lighting to be Lumitec warm white dimming.

Bunk lights Alpenglow LED Caribbean dimming.

- Switches, type Clipsal Stainless.
- Forepeak, aft peak and engine room provided with watertight lights, switches.
- Switches following illumination plan.
- Heads and galley to be fitted with 240V and 12V outlets.
- Nav station to have 3 off 12V outlets as well as 240V + 12V outlets in cockpit.

24 ALARM & MONITORING SYSTEM & SECURITY (Specified but not provided)

GPS Telephone worldwide alert and tracking. Siren Marine 3 Pro. Infrared intruder alarm in cockpit and on decks, sounding alarm and switching on deck lights.

Hatches, skylights and companionways to have removable security grilles fitted. These to be double stainless steel flyscreen mesh and double as insect screens. Gun locker in aft cabin is provided.

25 NAVIGATION EQUIPMENT

25.0 Contents

- 25.1 NKE instruments
- 25.2 Satellite navigation
- 25.3 Compass
- 25.4 Radar & chartplotter
- 25.5 Autopilot
- 25.6 PC system
- 25.7 Sonar
- 25.8 AIS

25.1 NKE Instruments

- A. One NKE wind/speed/depth package.
Operating from 12 Vdc. Comprising:
- Regatta processor unit
 - Mastbase junction box
 - NMEA Full Function Display
 - Special NMEA junction box
 - Ultrasonic speed/temp sensor hydra airmar, complete with temperature sensor and 15 m cable
 - Depth sensor, complete with 15 meter cable
 - Plastic speed/depth housing, complete with valves
 - HR masthead windspeed/direction sensor on main mast
 - Power supply filter (CE)
 - Isolated 24/12 Vdc converter - Victron

- 5x Analogue indicators at inside helm
- B. NKE instruments Aft steering station:
-1x Multi Function Display - SL50 Port 1 Multifunction starboard
- C. Instruments in forward steering station speed, wind speed, wind direction close haul, depth, Gyropilot
- D. Instruments in aft steering station Gyropilot

25.2 Analogue Satellite Navigation (specified but not provided)

1x Garmin GPS-183. 1 for input to DSC HF, 1 for DSC VHF, & 1 for Sat C.
2x Digital Yacht GPS 160 0183. 1 for computer running Max Sea and C-Map Max, & 1 for AIS.

25.3 Compass

Outside helm to have Sestrel 8" Compass in custom stainless binnacle.

25.4 Radar & Chartplotter

Furuno Radar FR10 - display fitted at forward helm -
Radome DRS40-NXT (specified but not provided)

25.5 Autopilots

2x NKE Gyropilot + computer, control head and remote
NKE Rudder Angle
Spare Pilot and rudder sensor

25.6 PC system

Catalina PC with solid state hard drive and Argonaut 15" LCD screen

- NKE data
- GPS data
- AIS output
- NAVTEX data - to 2nd Computer - Apple Mac Mini
- INMARSAT C - to 2nd Computer also for email etc
- IRIDIUM for Email - alternative to Inmarsat C
- MAXSEA chart system - to main screen (specified but not provided)
- Second system to be back up and for ships business.
- Laser printer/scanner to be fitted. Connected to 2nd Computer (specified but not provided)
- 2x Litemax NPD1744 Screens fitted at nav desk.

25.7 Sonar

Echopilot.

25.8 AIS

AIS system Vesper 8000 - overlaid on chart screen

26 COMMUNICATION EQUIPMENT

26.0 Contents

- 26.1 VHF
- 26.2 Antenna system
- 26.3 Satellite communication
- 26.4 Iridium
- 26.5 HF

26.6 SART

26.1 VHF

- Sailor, type RT-5022 VHR DSC, operating from 24 vdc GMDSS at chart table
- Icom M605 Euro VHF in cockpit
- Cables to be RG213 or 214. Cables run to mast bases only.

26.2 Antenna system (Specified but not provided)

- SSB Aerial to be Port mizzen backstay.
- AIS & VHF Aerial top of mizzen
- Vesper VA159 with Vesper splitter serves Icom VHF
- Met 3 top of main mast to serve Sailor VHF
- NAVTEX
- AM radio
- FM radio
- Cellphone 900mHz.

26.3 Satellite communication (Specified but not provided)

Iridium Go

26.4 Iridium

Sailor SC4000 Iridium. GMDSS approved. System consisting of:

- Transceiver unit
- Control handset
- Antenna-unit

26.5 HF (Specified but not provided)

Icom M804E. HF - Cable to be shielded by electri-flex type EMCS

26.6 SART (Specified but not provided)

McMurdo GMDSS S4 Sart

27 AUDIO & VIDEO (Allowance ex labour)

27.0 Contents

- 27.1 Audio Equipment
- 27.2 Audiovisual Equipment
- 27.3 Computers

27.1 Audio Equipment

Audio equipment:

- 1x Fusion radio/DVD unit
- 2x centre cockpit speakers

27.2 Audiovisual Equipment (Specified but not provided)

Saloon Samsung 43 inch QN90B 4K Smart TV with Samsung Q930 Soundbar

27.3 Computers

- Catalina PC
- 2x 17 in screens at chart table
- 1x Apple Computer for communications and ships business.

28 INTERIOR

28.0 Contents

- 28.1 General
- 28.2 Basic materials
- 28.3 Joints and glues
- 28.4 Bulkheads
- 28.5 Floors
- 28.6 Ceilings
- 28.7 Lockers & Furniture
- 28.8 Hinges, closings
- 28.9 Wet areas

28.1 General

The joinery work is made to the following specifications:

- The interior panelling, rounded corners, bulkheads, doors and locker doors with raised and fielded panelling of bluegum veneer in solid frames. Throughout the whole interior wood grain of all veneer to be vertical.
- All furniture e.g. table, drawers, cabinets are bluegum
- In cabins all panels above wainscot level finished in white International Perfection
- Bluegum ply panels to be used for bulkheads and large horizontal panels

28.2 Basic materials

- Basic material for the joinery is Sydney Blue Gum for veneer panels as well as for solid parts
- Trimming and frames are made from solid Blue Gum
- All non construction bulkheads are of ply construction with Blue Gum veneer
- Interior woodwork is varnished and painted in highest quality gloss finish
- Floors made from solid wood finishing in Celery Top

28.3 Bulkheads

Exposed faces are covered with veneer.

Bulkheads are reinforced at points where furniture is mounted.

Doors from solid Blue Gum.

28.4 Floors

Floors are made of solid Celery Top, 8mm glued to 15mm ply and fixed to Blue Gum bearers. FTP finish with bluegum inset borders. Floor hatches provide access to pumps, tank hatches and central cable and piping ducts. Floors have persian carpets attached with glued octopus rubber backing.

28.5 Ceilings

The ceiling panels are marine ply with a V groove, painted with gloss white International Perfection. All ceiling beams are painted as ceiling panels.

28.7 Lockers & furniture

Veneered, finished with solid edges. Sofas and seats from Blue Gum faced ply finished with frames of solid timber. Berths with lee board or lee cloths.

28.8 Hinges, closings

Cupboard latches are solid 316 Stainless. Door handles are chrome plated.

28.9 Wet areas

Walls and shower pans with heavy white GRP over ply. Teak trim as appropriate. Top of counters in bluegum with heavy FTP clear coat. Galley tops are black granite with gold & white pattern with bluegum trim. 3 heads have porcelain sinks fitted.

29 WOOD EXTERIOR DETAILS

29.0 Contents

- 29.1 General
- 29.2 Teak decks
- 29.3 Deck hatches
- 29.4 Companionway hatches
- 29.5 Cap rail
- 29.6 Cockpit
- 29.7 Coachroof
- 29.8 Miscellaneous

29.1 General

The styling of the wood exterior details is classic. All wood exterior is teak. All exterior teak work to be glued with PU resin. Where joints are rubbered this are done with Sikaflex.

29.2 Teak decks

The teak deck (First Class, seasoned teak wood, quarter sawn) is glued with Fixtech 30 directly to sandblasted stainless steel painted with International 820 primer. Deck strakes run parallel to the bulwark. First strake is a margin plate of 90x12mm. Centre line strake is formed as a king plank that strakes nib into. All deck equipment and winches are placed on Stainless inserts with threaded holes. Strakes are 45x12 mm glued with Fixtech 30. Inside of bullwark and margin is painted with International Matterhorn gloss white.

29.3 Deck hatches

Flush teak hatch for sail locker (1x). Flush hatch for Gas locker and petrol locker aft ship (2x). Skylights (2x and 2 raised with dorades). All hatches and skylights fitted with stainless steel hinges and stainless steel locks. Aft large lazarette hatch under dinghy. Two small hatches in aft deck for plastic and cardboard rubbish. All flush hatches custom made.

29.4 Companionway hatches

For aft cabin and main companionway. Custom built teak companionway hatches, sliding above deck and inside a garage. Custom teak sliding down doors. Aft cabin has 1/4 spiral staircase.

29.5 Caprail

Teak cap rail, 120 x 40 mm, on Fixtech 30 bedding compound. Cockpit coamings with teak cap rail dimensions 80x35. Caprails varnished.

29.6 Cockpit

Cockpit floor and seats covered with teak strakes. One stainless steel hatch to galley near helmsman seat. Centre cockpit floor fitted with custom bolted engineroom hatch. Footrest on horizontal rail on cockpit table. Centre cockpit sides fitted with opening hatches.

29.7 Coachroofs

Coachroof sides (two coachroofs) are covered with teak. Fixed windows at each side, glass to be 12mm tempered. Two portholes in aft bulkhead. Custom large teak handrails on both coachroofs.

29.8 Miscellaneous

Cockpit table made from solid teak. Hinges and fittings in stainless steel. 4 Winch handle boxes teak.

30 INSULATION

30.0 Contents

- 30.1 General criteria
- 30.2 Hull and superstructure
- 30.3 Engine compartment

30.1 Insulation direct to hull

All interior to be sandblasted, then 2 coats of International 820 epoxy primer, then 2 coats International Perfection.

30.2 Hull and superstructure

Interior of stainless steel hull & deck to be finished with Thermotec closed cell foam insulation fixed to hull of generally 75mm.

30.3 Engine compartment

- All equipment are flexibly mounted on high quality resistant mountings.
All engineroom bulkheads are thermally and acoustically insulated as follows:
- The interior side of the bulkhead are covered with thermal/acoustic.
 - Both engines to have water separators.
 - All engine room ventilation ducts are exhaust hose.

31 DECK EQUIPMENT

31.0 Contents

- 31.1 Winches
- 31.2 Winch handles
- 31.3 Blocks, slides, tracks & pad eyes
- 31.4 Sundries

31.5 General

31.1 Winches

All winches Anderson, self tailing, stainless steel.

Qty	Function	Position	Type
1	Mainsheet	Cockpit	68st electric variable
2	Genoasheet	Cockpit	110st electric
2	Staysail	Cockpit	72st electric-
4	Main Mast winches	Deck	72st electric
1	Mizzen sheet	Cockpit	58st electric variable
1	Mizzen mast	Cockpit	72st electric
2	Mizzen Runner Tail	Cockpit	58st manual
1	Traveller	Main	58st manual
1	Traveller	Mizzen	Arco line drive

31.2 Winch handles (specified but not provided)

Qty.	Description
6	10" De luxe - 1 at mast, 1 traveller, 2 mizzen runners, 2 spare
2	10" double de luxe - backups

31.3.1 Mainsheet system & Mizzen sheet system

Qty.	Description
1	Traveller car with one sheave and beckett Lewmar 8t & 6t
1	S.S.Traveller track size 2 (2,4m) custom stainless
2	Traveller end stoppers custom stainless
2	Traveller end blocks custom stainless
1	Two blocks on boom custom stainless (specified but not provided)

31.3.2 Yankee sheet system

Qty.	Description
2	Jib track (3.6 mtr) - Custom stainless welded to deck
2	Jib fairlead - Antal - 9t
2	End stops - Custom
2	Car stops - Antal

31.3.3 Staysail sheet system

Qty.	Description
2	Genoa track (3.5 mtr) - Custom welded to deck
2	Genoa fairlead - Antal 9t
2	Car stops - Antal
4	End stops - Custom

31.3.4 Turnings blocks

Qty.	Description
2	Double turning blocks - Antal 9t - Yankee & Brace
2	Double turning blocks - Antal 6.5t - Staysail & Runners
2	Double turning blocks - Antal 6.5t - Spinnaker Down & Furl

31.3.5 Runners

Qty.	Description
2	Deck non tumble eyeplate - Antal 9t

5 Deck block w. swivel - Antal 6.5t

31.3.6 Mastblocks

Qty.	Description
8	Custom swivel mast halyard blocks 6.5t
5	Deck blocks Stand Up - Antal 6.5t

NB. See Deckplan

31.3.7 Spinnaker Pole System

Qty.	Description
2	Guy blocks
2	Spi sheet blocks
1	Fore guy block
1	Non tumble screw in deckplate
4	Non tumble screw in deckplate

31.4 Sundries

Qty.	Description
1	Pullpit with navigation lights
18	Stanchions stainless steel with two wires
4	Gangway stanchions with two wires
1	Stainless steel pushpit with teak seats and brackets for navigation light, flagpole holder.
10	Stainless steel mooring cleats size 400 Custom
14	Aircowls, (stainless steel) 5" Manship with storm plates and mushroom to inlet pipes
8	St.St. Vent cowl protection bars
14	Stainless steel fairleads oval type through bulwark - custom weld in
4	Prism's 2 off Davey with custom stainless
1	Flagpole (wood)
16	Deck and cockpit drains (stainless steel) - custom
6	Filling caps - 2 water, 2 diesel
1	Emergency tiller through deck fitting
3	Passerelle fitting in aft bulwark
2	Pump out fittings

32 MISCELLANEOUS (specified but not provided)

32.0 Contents

- 32.1 Mooring lines (specified but not provided)
- 32.2 Fenders (specified but not provided)
- 32.3 Passerelle (specified but not provided)
- 32.4 Swimming ladder/boarding ladder (specified but not provided)
- 32.5 Dinghy and outboard engine (specified but not provided)
- 32.6 Sun awnings (specified but not provided)
- 32.7 Miscellaneous
- 32.8 Boom gallows

32.1 Mooring lines

- 4x mooring lines 20 meter, 32 mm Octoply.
- 4x mooring lines 25 meter, 32 mm Octoply.

32.2 Fenders

Eight Fendequip inflatable fenders 1000 x 450, grey with fender covers and lines.

32.3 Passerelle

A foldable passerelle make "Besenzoni". 2.5m long, manually folding with teak treads and manually removable handrail. Passerelle to be fitted with wheels at the docking and rotating pin fitting.

32.4 Swimming ladder/boarding ladder

Teak ladder with teak steps. To be placed in way of gangway into a holder, ladder stored in fore peak or lazarette.

32.5 Dinghy and outboard engine (owners delivery)

Dinghy custom built Guillemot 3.2 mtr with 9hp Yanmar outboard engine and sailing rig. Stored inverted on aft deck facing aft with alternate storage upright with attached outboard. Lifting by boom. 3 - 2 mtr Hypalon inflatable with 9hp Mariner. Stored in Lazarette.

32.6 Sun awnings

Sun awnings able to be placed above cockpit and side decks and aft deck

32.7 SUNDRY ITEMS (specified but not provided)

- Bosuns chair
- Solar Panels
- Flag
- Classic timber & brass boathook on aft cabin top.

32.8 Boom Gallows (specified but not provided)

Substantial boom gallows for both main and mizzen to be incorporated. Aft boom gallows to incorporate GPS and Sailor Iridium Aerials.

33 SAFETY EQUIPMENT (specified but not provided)

33.0 Contents

- 33.1 Life rafts
- 33.2 Buoys
- 33.3 Radar reflector
- 33.4 Flares
- 33.5 Jon Buoy
- 33.6 Epirb
- 33.7 Sart
- 33.8 Emergency Alarm/Siren
- 33.9 PA System
- 33.10 MOB System

33.1 Life rafts (specified but not provided)

2x Winslow o.e. flatpack 8 man SOLAS A pack to meet with MCA Cat 0 code. Liferrafts to be stored on deck. Liferrafts fitted with hydrostatic release units.

33.2 Buoys (specified but not provided)

One circular classic buoy with lights, whistles, etc to be placed on aft boom gallows with name of yacht.

33.3 Radar reflector (specified but not provided)

Sea-me radar target enhancer fitted on the main mast.

33.4 Flares (specified but not provided)

Flares according ORC Special Regulations Chapter 4, category 0.

33.5 Jon Buoy (specified but not provided)

1x Jon Buoy fixed to pushpit facing aft.

33.6 Epirb (specified but not provided)

406 Epirb fitted to inside of doghouse for float free.

33.7 Sart (specified but not provided)

Sart McMurdo S4

33.8 Emergency Alarm/Siren (specified but not provided)

Use horn button in cockpit at both wheels

33.9 PA System (specified but not provided)

Incorporated in cockpit VHF

33.10 MOB System (specified but not provided)

Man Overboard Recovery System at Stern lifeline.

34 UPHOLSTERY

34.0 Contents

34.1 Mattresses

34.2 Berths

34.3 Seats

34.4 Cockpit cushions

34.5 Covers

34.6 Carpets

34.1 Mattresses

All mattresses made of latex foam. 3 layers soft medium hard so by changing layers can change softness.

34.2 Berths

All berths with lee cloths.

34.3 Seats

Saloon seats custom built of foam, covered with industrial velvet.

34.4 Cockpit cushions (specified but not provided)

Cockpit cushions covered with watertight vinyl and with blue canvas.

34.5 Covers (specified but not provided)

Canvas covers in bone, supplied for:

- Compass and binnacle
- Skylights
- Cockpit table
- Forward hatch

34.6 Carpets

Persian rubber backed.

35 PAINTWORK

35.0 Contents

- 35.1 General
- 35.2 Hull: Inside
- 35.3 Hull: Outside below Waterline
- 35.4 Hull: Outside above Waterline
- 35.5 Deck & Cockpit
- 35.6 Varnish Work on Deck
- 35.7 Interior
- 35.8 Tanks

35.1 General

Total construction are sandblasted

35.2 Hull: inside

Inside of the hull including all construction parts, bulkheads and ceiling are coated with 2 coats of International 820 Primer and 2 coats of International Perfection

35.3 Hull: below waterline

Underwater body and appendages are painted with 2 coats International 820 Primer then 3 coats International Epoxy primer faired using 3M glass microspheres then 4 alternate coats of 820 Primer and Jotun GF then International Interprotect.

35.4 Hull: above waterline

Matterhorn white Awlgrip.

Topsides are fully faired with 3M K37 glass microspheres.

Further painting

- Waterlines in dark blue Awlgrip
- 1 cove stripe, gold self adhesive vinyl.
- Ships name on transom. Letters laser cut stainless 10mm plate with rounded edges, welded to hull and highly polished.

35.5 Deck and cockpit

All parts that are not covered with teak, are finished as hull above waterline.

35.6 Varnish work on deck

Cockpit & coachroof coamings, caprails, skylights (hatches and coamings) are varnished, high gloss Awlwood varnish system.

35.7 Interior

Panels and furniture to be varnished with 8 layers International Schooner varnish. Ceilings are to be painted white gloss International Perfection. Floors to be finished with 2 layers FTP.

35.8 Tanks

Water tanks to be uncoated. Diesel tanks to be uncoated. Sewerage tanks to be custom plastic.

36 SPARS (specified but not provided)

36.0 Contents

- 36.1 Main mast & Mizzen Masts
- 36.2 Main boom & Mizzen Booms
- 36.3 Spinnaker pole
- 36.4 Name

36.1 Main mast & Mizzen mast (specified but not provided)

Alloy oversize mast and boom. Boom to be Park Avenue. Mast with four (4) sets of spreaders

The mast are fitted with the following items:

- mast top fitting with sheaves for 2 main halyards, boom lift, two genoa halyards and cranes on main mast only, and entry slots for two spinnaker halyards.
- tang for backstay, forestay and inner forestay
- two tangs for D4 shrouds
- two top spreaders with flag line eyes and D4-V3 fitting
- two tangs for D-3 shrouds
- two spreaders with D3-V3-V4 fitting
- two spreaders with D3-V2-V3 fitting
- two tangs for D-2 shrouds
- two lower spreaders with flag line eyes, 4 decklights and D2-V1-V2 fitting
- two tangs for D1 shrouds
- extra strong goose neck fitting
- exits for halyards and cleats
- boomvang fitting
- bracket for radar on mizzen
- tubes for electric cables
- brackets for navigation lights
- bracket at mast tops for NKE mast head unit and aerials
- step at mast top, and under gooseneck
- two brackets for halyard tensioners
- mast are faired painted, colour Awlgrip Gold
- spinpole track @ front of the main mast only
- spinpole securing bracket main mast only
- Fitting for remote spotlight on main
- Separate trysail track and fittings
- Substantial fitting under staysail attachment to take spinnaker pole topping lift which is to double

as halyard for a storm jib which is attached to a deck strong point and is flown and furled as a code zero. The halyard etc are to be PBO to minimise stretch and sail shape to be a blade.

- Spreaders to have downlights on bottom spreaders and uplights on next set up.

36.2 Main boom & Mizzen boom (specified but not provided)

Park Avenue Booms are made of alloy, and tapered at the end.

One preventer line to be integrated in the boom. Two boltrope tracks for the sun awning.

St.st. hydraulic boomvang.

36.3 Spinnaker pole (specified but not provided)

Carbon fibre pole tapered on both ends oversize pole ex Brindabella provided.

Inboard end fitting on mast track

Internal trip trigger lines, outboard end with tripfitting

Pole to be stored @ front of mast

36.4 Name (specified but not provided)

Name along Main Boom in dark blue colour.

37 STANDING RIGGING (specified but not provided)

37.0 Contents

37.1 Main mast

37.2 Furling Units

37.3 Removable Inner Forestay

37.1 Main mast (specified but not provided)

Standing rigging are as per AES specification.

- Twin Backstays fitting Navtec cylinder each.
- Forestay: fitting furler.
- Inner forestay: fitting furler
- V1: fitting spreader tip-cup and turnbuckle - V1 may be in Nitronic 50 rod
- V2: fitting spreader tip-cup and turnbuckle
- V3: fitting spreader tip-cup and turnbuckle
- D1: fitting turnbuckle
- D2: fitting turnbuckle
- D3: fitting turnbuckle
- V4: fitting turnbuckle

37.2 Furling units (specified but not provided)

- Forestay: Harken manual MK IV No.3
- Inner forestay: Harken manual MK IV No.4

37.3 Removable Inner Forestay (specified but not provided)

A removable inner forestay is to be fitted to take a blade type storm jib. Sheets to utilise genoa cars etc. Alternatively a code Zero type arrangement for the storm jib may be used. A storm jib blade are located in the sail locker and will attach to the staysail deck fitting and utilise the spinnaker pole topper. The luff are Dynex 75.

38 RUNNING RIGGING *(specified but not provided)*

38.0 Contents

38.1 Halyards, reefing & outhaul

38.2 Sheets

38.1 Halyards, reefing & outhaul Main & Mizzen *(specified but not provided)*

<i>Line</i>	<i>Material/diam.</i>	<i>Length</i>	
2 x Main halyards	Spectra	t.b.d. m	- TBA
2 x Boom lifts	Spectra	t.b.d. m	- TBA
2 x Genoa halyard	Spectra	t.b.d. m	- TBA
1 x Spipole toppinglift	Spectra	t.b.d. m	- TBA
1 x Jib halyard	Spectra	t.b.d. m	- TBA
4 x MPS/service halyards	Spectra	t.b.d. m	- TBA
2 x Preventers	Spectra	t.b.d. m	- TBA
2 x Travellers	Spectra	t.b.d. m	- TBA
2 x Outhauls	Spectra	t.b.d. m	- TBA
2 x Cunninghams	Spectra	t.b.d. m	- TBA

38.2 Sheets *(specified but not provided)*

<i>Line</i>	<i>Material/diam.</i>	<i>Length</i>	
2 x Genoa sheets	Spectra /16mm	t.b.d. m	- TBA
2 x Jib sheets	Spectra /14mm	t.b.d. m	- TBA
2 x Main sheets	Spectra /16mm	t.b.d. m	- TBA
4 x MPS sheets	Spectra /14mm	t.b.d. m	- TBA
2 x MPS tacklines	Spectra /14mm	t.b.d. m	- TBA
2 x Staysail storm sheets	Spectra /16 mm	t.b.d. m	- TBA
1 x Spipole foreguy	Spectra /16 mm	t.b.d. m	- TBA
1 x Spipole aft guy	Spectra /16 mm	t.b.d. m	- TBA
4 x Running backstay tackles	Spectra /16 mm	t.b.d. m	- TBA
4 x Running backstay foreguys	Spectra /12 mm	t.b.d. m	- TBA
2 x Lazy jack systems			- TBA

Note: Alternatives to Spectra to be considered eg Dymeena, Dynex 75 & 85 etc.

39 SAILS *(specified but not provided)*

39.0 Contents

39.1 Sails

39.1 Sails *(specified but not provided)*

The following sails are recommended:

1.01	Mainsail and Mizzen - Dacron
1.02	Genoa - Doyle Stratis
1.03	Staysail - Doyle Stratis
1.05	4 x MPS - Main & Mizzen - heavy & light - Nylon
1.07	Trysail - Dacron
1.08	Storm Jib - Dacron