



SHORTLIST SPECIFICATIONS 80' SAILING YACHT

PELICAN 80'

GENERAL

Type	: 80' aluminium single handed fast cruiser
Building Management	: Sea Independent Custom
Designer & Naval Architect	: Olivier van Meer Design
Interior Design & Styling	: Olivier van Meer Design
Technical Building Supervisor:	Olivier van Meer Design
Classification	: CE categoryA (Worldwide)
Length over all	: 23.95 m
Length waterline	: 22.15 m
Beam (max.)	: 6.90 m
Draft	: 2.30/3.80 m (Fixed keel 3.00 m)
Displacement	: 47.000 kg (100% load, excl. options)
Ballast	: 15.000 kg
Maximum airdraft	: 24.00 m
Fuel	: 2.500 l
Fresh water	: 1.500 l
Black water	: 800 l
Cabins	: 4
Guests	: 6
Crew	: 2

HULL

Full aluminium hull and superstructure built on longitudinal & transverse frame system
Intergrated tanks + seperate gravity feed daytank (200 l)
3 x watertight bulkheads:

- Fore peak bulkhead
- Mast bulkhead with watertight door (type Freeman o.e.)
- Garage bulkhead

Hydraulic aluminium liftkeel with lead bulb

Tender garage

Liferaft garage

PAINT SYSTEM

Outside hull + superstructure above water, filler + paint 2-component AWL grip high gloss
Outside hull under water, no filler, paint Epoxy GP coating
Hull inside, no filler, no paint
Tanks inside, Redox EP 3375
Interior varnish, Nelf, 1-component, semi gloss
Exterior varnish, Epiphanes, 1-component, gloss
Name & homeport on stern + name on ps&sb bow

HULL OPENINGS & GLASS

Entrance door is transparant polycarbonate, vertical sliding andfully watertight
Deck hatches (flush):

- Forepeak entrance hatch (not transparant)
- Crew cabin entrance hatch, on coaming and with sprayhood
- Owners cabin light and escape hatch
- SB + PS Guests cabins light and escape hatches
- Deck saloon + galley + nav area hatch
- Galley provisions hatch
- Workshop hatch

Portholes aluminium welded in hull:

- Total 8 in hull side, openable, with fixed blinds and 'not closed' alarm

Deck saloon windows:

- Fixed, double glass glued from outside on aluminium hull frame
- Openable: aft decksaloon windows (to cockpit)

Dorado boxes with stainless steel air coils and 2-way ventilator:

- Crew sanitary + crew
- Owners toilet + bathroom + 2 x owners cabin
- PS&SB guest cabin + suest sanitarities

PROPULSION

1 x marine diesel Yanmar 6LP, 255 hp.

Hydraulic-electric transmission type ZF45AE, reduction 2.50: 1

Water lubricated shaft

1 x 4-bladed Varifold propeller

Wet exhaust with water/gas seperator

Retractable hydraulic bowthruster, Lewmar 18 kW, with remote and fixed control

Engineroom ventilation: Ventilated by natural airflow. When mainengines are stopped the heat can be transported out of the engineroom by a electrical ventilator

STEERING SYSTEM

Stand alone hydraulic system with twin semi-balanced Jefa rudders

Steering wheel stainless steel, diam. 1.20m, leather covered

Inside steering by autopilot slave

Emergency steering in cocpit (tiller)

INTERIOR

Insulation: approx. 40 mm Polyurethane foam, all spaces from deck to sides to 20 cm under floors. Fore- and aftpeak not insulated

Arrangement and Styling can be customized, the guiding illustrations are the standard.

Galley top: granite polished, sinks in stainless steel

Bathroom tops & floors: granite polished, washbassins stainless steel

All hardware sanded stainles steel

All lighthing LED dimmable.

EXTERIOR

Main deck with massive 16 mm teak

Cockpit sole + seats with16 mm teak

2 x stainles steel hinged railing doors from cockpit to bathing platform

ELECTRICAL SYSTEM

Power supply 24V DC board system on batteries
230V / 50 Hz / AC system by shorepower (32 Amp) + genset (20 kW) + Victron Quatro 24V-230V charger/converter (5,8 kW)

Battery charging Victron Quatro + extra Victron 24/100 charger + 1 x 120 Amp alternators on mainengine

Genset 1 Onan, 12 kW, 50Hz, 230/380V, 1500 rpm.

Genset 2 Fisher Panda, 6kW, 24 V, direct battery charge with auto start

Both gensets have wet exhaust with water/gas seperator

Batteries General Boardsystem: based on 2-V maintenance free closed gell tracktion batteries, total 1200 Ah.

Both engines + genset: have their own indpendent 24V maintenance free closed gell tracktion batteries

TECHNICAL SYSTEM

Hydraulics Hydraulic power unit connected to main engine (PTO) and genset 1for operation of:
- Lift keel
- Bowthruster
- Anchorwinch
- Bathing platform/stern garage

Heating/Hot water Kabola B25 tab with radiators in all accommodations and engine/technical room

Hot water Also by seperate boiler connected to electrical element when genset is running + heat exchanger on mainengine

Watermaker Schenker approx. 200 l/hour

Ventilation By openable windows, portholes and hatches. Sanitary units equipped with 24V suction ventilators

Freswater pres, With 24 V Speck hydrophore and pressure tank
Bilgepump system Central 24V self priming Stork pump (pump and manifold outside engineroom with immediate acces from cocpit) with suction unit in each compartment.

Manual Henderson pump in cockpit connected to main manifold
Bilgealarm in each watertight compartment

Diesel transfer 1 x 24V automatic + 1 x manual self-priming fuel transfer pump from bunker tank to daytank

Toilets Tecma 24V, flushed with fresh water

Black water Feit pump 24V + discharge suction unit on deck

Grey water From local collection tanks directly pumped overboard

Washbassin tabs Grohe Mix

Galley tab Grohe Mix

Shower tabs grohe Thermostatic

Outside shower Thermostatic shower near bathingplatform

Tank measuring All tanks are equipped with the Tank Tender Cacuum volume meter,

NAVIGATION & COMMUNICATION

Compass Magnetic : Cassens & Plath magnetic compass on steering pedestial

Electronic Compass: Furuno SC-50 Satellite Compass

GPS : Furuno active GP320B WAAS/GPS receiver

Autopilot : Robertson AP 28 (based on Furuno triple GPS), including inside steering unit

Electr. Chart/radar : inside + outside Furuno 15°sunview daylight screens with 4'open array scanner

AIS : Simrad AI50 true heading

Wind direct./speed : 1 x Simrad

Depth : 1 x Simrad

Log : 1 x Simrad

VHF with DSC : 1 x Simrad

RIGGING (Fully operated from steering position)

P = 29.47 m

E = 9.48 m

I = 22.08 m Staysail

J = 6.64 m Staysail

I = 30.52 m Jib

J = 8.82 m Jib

Main (inmast furl) : 165 m2, North, Vectra

Staysail (self tacking) : 55 m2, North, crosscut Dacron, luff pad, UV strip

Genoa 110% : 143 m2, North, crosscut Dacron, luff pad, UV strip

A-symetrical : 450 m2 with shoot

Mast (electric inmast furl) : Keel stepped, oval section anodised aluminium Selden, 3 sets of aft swept spreaders

Boom : oval section anodised aluminium Selden with hydraulic boomvang

Jib & staysail : Reckman electric furls

Standing Rigging :1x19 stainless steel with Norseman Gibb rigging screws

Running Rigging :Halyards Vectran, sheets Polyester, outhaul Dyneema

Winches : Electric Andersen

Deck hardware : Ronstan

EQUIPMENT

Anchor system 1 x Muir VRC 4500, hydraulic anchorwinche with remote control
1 x 13 mm shortlink stainless steel 80 m chain

1 x chainstopper
Chaincounterat steering pedestial + on anchorwinch

1 x stainless steel 50 kg Delta anchor on bowroller

1 x anchor stowage bin of Polyethylene

Bathing platform hydralic with intergrated bathing ladder

Passarelle 1 x mobile 3.50 m with scepters and fixingpoints on sb, ps and stern

Domestics:

Cooking 4 burner gimbalic Miele induction plate

Extraction hood Miele DA78

Multi functin oven Miele H186MB combination oven/grill/microwave

Fridge Frigomatic 24V approx. 100 l.

Freezer Frigomatic 24V approx. 100 l.

Dishwasher Miele G7764

Washing machine Miele WS5425

Dryer Miele T5205C

Entertainment:

TV 1 x 35" screen on elevation lift in decksaloon

Audio 1 x Bose 1-2-3 system in decksaloon and cockpit

Safety:

Liferaft 1 x Viking 8 person selfrighting in rectangular container with hydrostatic Release, stowed in automatic release liferaft garage

Tender 1 x rigid inflatable, Avon Rover 340 with 15 hp 4 stroke Yamaha, Tender stowed in tender garage, engine stowed in outboard locker, including non permanent hoisting davit.

Fire extinguishing 1 x FM200 unit for engineroom, manual operated

5 x 6kg powder extinguisher throughout the accommodation

Heat alarm in engineroom, smoke alarm in each seperate accommodation

Options:

Each Pelican 80' can be fully customized and will result in the Final Clients Building Specification before construction begins.

** All information is pending and subject to the final engineering for the specific client*

** We have the right to change specifications and prices without prior notice*

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Hoorn, 5-03-13



DESIGNERS | NAVAL ARCHITECTS | ENGINEERS

