



## The New Buizen 52 Pilot House Yacht.

### Standard Specifications March 2014.

#### Dimensions

<b>LOA</b>	15.85m	(52")
<b>LWL</b>	14.20m	(46 3")
<b>Beam</b>	4.76m	(15' 7 3/8")
<b>Draft</b>	2.2m	(7' 2 1/2")
<b>Displacement</b>	18,400kg	

<b>Fuel</b>	1,280 litres
<b>Water</b>	793 litres

<b>Main engine</b>	160Hp Yanmar
<b>Generator</b>	10 Kva Fisher Panda

<b>Sail Area</b>	Main 74.5m <sup>2</sup>
	Jib 53.6m <sup>2</sup>

**Displacement Ratio 180**

**Sail Area Displacement Ratio 19.1**

**OCR International Certificate Rating 131.3 Deg** (Varies marginally for each yacht)

**Design and Built to International Code ISO 12215 to meet CE European Standards.**

#### Hull Construction:

Vacum infused Vinylester resins Gel Coat tie layered with multi e-glass Biaxial reinforcement outer and inner skins, 130kgsm Corecell composite sandwich. Hull thickness 34mm.

Structure: Longitudinals in hull Vacum infused with E Glass and Vinylester Resins  
Bulkheads Vacum Infused E Glass Composite sandwich, Vinylester Resins  
Hull Frames E Glass Reinforced, hand laid with Vinylester Resin

#### Deck Construction:

Outer skin: Gelcoat tie layered with polyester/vinylester resin with multi CSM and Biaxial e-glass reinforcement. Hand laid.

Core: Glass sandwiched closed Corecell core and structural ply solid reinforcement under all fittings

Inner skin: polyester/vinylester resin with multi Biaxial e-glass reinforcement. Hand laid.

#### Hull Finish

Awl Grip 2000 Epoxy paint system, Chevy White.

#### Superstructure Finish

Gel Coat Finish, Chevy White.

**Keel**

6.0 tonne lead bulb, cast iron fin thru bolted into keel box of hull, epoxied and faired.

**Rudder**

GRP encased around a stainless steel frame welded to 3 1/2" solid S/S rudder shaft and stock.

**Propellor and shaft**

Gori 3 Blade Folding propeller with Overdrive setting, on 45mm stainless shaft with bronze skeg.

**Internal Joinery Timber:**

American Oak joinery with Walnut skirtings, door architraves (finished in polyurethane satin, semi choked) and laid floors.

Woven fabric headliners throughout all cabins.

**Deck Equipment:**

Custom Stainless Steel stemhead with double bow roller, one fitted with a 37kg plough anchor and 50 metres of 13mm chain.

Chain deflector

Heavy duty Muir 1500W electric anchor winch and capstan.

Large self draining anchor locker divided into two compartments

Stainless steel bow pulpit.

Stainless steel stern pushpit with seat frames, teak seats and teak back rest.

Stainless steel handrails between pushpit and S/S "A" frame side gates with boarding steps.

Varnished Teak Cap Rail to Bulwark, 1 1/4" solid S/S Rubbing strip.

Stainless Steel stanchions with double life lines.

2 Fwd, 2 Midship and 2 aft fairleads and mooring cleats

5 Flush deck hatches recessed into deck.

Opening portholes to cockpit from Aft Cabins.

6 Fixed portholes to Hull

Deck drains

1 Saltwater deck wash (accessed from anchor locker)

2 @ Fuel filler (one each side)

2 @ Water filler (one each side)

1 @ Blackwater deck pump out.

1 @ Greywater deck pump out.

Teak laid deck centre of foredeck fwd of mast.

Non slip gelcoat finish to side decks and outer foredecks.

**Cockpit:**

Moulded fiberglass self draining deck.

6 Storage lockers

Hatch to Transom Garage below.

Large Under cockpit floor locker, Hatch access

S/S Pushpit teak bench seats to transom

Teak laid cockpit floor from saloon step to transom, teak laid seats to cockpit and upper platform

Twin Helm Wheels on Steering Pedestal with GRP Command instrument consoles mounted on GRP pedestals (see below for description)

Fold down stable glazed door to saloon

Opening rear bulkhead glazed windows on either side of cockpit/saloon door, connecting saloon and cockpit.

Cockpit table, Teak grate style leaves with grab s/s rails and drink holders.

**Navigation Instrumentation to****Cockpit Helm Consoles x 2**

GRP Consoles mounted on GRP steering pedestals behind helm wheels

Raymarine P70 Auto Pilot Control Head with Gyro

Raymarine SPX 30 Pilot Core pack

Raymarine A75 and A77 Multi Function Display (Depth,Speed,Wind) located on Cabin wings

Stainless steel engine ZF electric throttle control on each pedestal  
Bow Thruster controls on each pedestal  
Electric/hydraulic Main sail raise controls  
Main and secondary winch hydraulic controls (2 speed)  
Electric Mainsail Furling Control  
Anchor control and chain counter  
Garage Door Open/Close controls  
Engine Ignition Start Stop control  
Mainsail Furl Foot Switch

**Transom:**

Transom garage storage area in stern with sealed bulkhead separation from rest of the yacht.  
Transom Garage door hydraulically operated with teak laid deck as swim platform when down  
Stainless steel swim ladder.  
Freshwater transom shower  
Stainless steel bump rail to aft edge of door.

**Mast & Rigging:**

Keel stepped alloy mast (in two pack polyurethane finish, Black)  
Three spreader rig  
Two deck lights to u/s of lower spreader  
Intermediate, lower and main deck shrouds  
Dyform type stainless steel standing rigging with swaged terminals  
1 @ Backstay (hydraulically adjusted)  
1 @ Forestay  
Leisure Furl alloy boom with hydraulic furling (inc. halogen light to u/s) finished in black as mast.  
Hydraulic Boom Vang operated from cockpit.  
Hydraulic Backstay Ram adjustment operated from cockpit.  
Harken Electric Headsail furling system operated from cockpit.  
Self tacking headsail moulded into deck  
4 x Harken Hydraulic Primary and Secondary winches in cockpit (2 speed)  
1 x Harken manual halyard winch to mast  
Additional Fractional/Masthead halyards etc  
Mainsail traveler track and cars to cabin top  
All sheets, halyards, deck blocks, stand up blocks, shackles, cars and brakes for all sheets  
All Halyards and sheets (3 aside) concealed below decks between fwd deck and combings.  
Windex  
Mainsail Radial cut Dacron (74.5 sqm) and Self Tacker Radial cut Dacron (53.6 sqm), by Hood Sails Australia

**Electrical:**

BEP Digital Switching System CZone for all AC and DC Electrical Operation and Control with  
Sub Boards located throughout boat  
8" Touch Screen Control Panel to Helm Dash.  
Monitoring and Control of all Water and Fuel Tank Levels, DC and AC Monitoring  
2 @ 60Amp 24 Volt Battery Chargers  
1 @ 25amp 12 Volt Charger  
1 x 5000w Mastervolt Inverter  
Dedicated 12 volt battery for engine/generator start  
Dedicated 12 volt battery for 12 volt equipment  
Dedicated 24 volt Batteries for House and Bow thruster (Eight @ 6 volt house service batteries  
300 amp @ 24 volt)  
One 24 volt 120 amp engine driven alternator for main house battery 24 volt charging  
One 12 volt 80 amp engine driven alternator for 12 volt main and generator battery charging  
One 12 volt 20 amp generator driven alternator  
One 24 to 12 volt dc to dc convertor  
240 volt stainless steel shore power inlet and CB in Garage.  
8 x 240 volt outlets  
24 volt LED strip concealed lighting to interior cabins (interior)  
24 Volt LED strip lighting concealed in galley floor and underbench  
24 volt halogen general lights throughout.

LED Navigation lights  
LED Anchor light  
LED Combination steaming/deck light  
Cockpit lights  
Light to underside of boom to cockpit  
240 volt panel with breakers  
Battery On/Off switches  
2 x Automatic Bilge pumps  
1 x Manual Bilge Pump  
1 x Deck wash pump (salt)  
5 x Engine room, tunnel and Garage lights  
2 x Shower/bathroom/galley sump pump  
2 x Electric Toilet Pumps  
1 x Domestic Fresh water pump  
1 x Black water pump

**Engine Room:**

Acoustic soundproofing  
160hp Yanmar turbo diesel  
9.5 kva Fisher Panda Generator  
Racor glass bowl fuel filters  
Stainless steel fuel and balance lines  
Engine room lights  
1200 litre from dual fuel tanks  
785 litre from dual water tanks  
Fuel and water balancing, drain and feed lines  
40 litre hot water unit  
Domestic freshwater pump  
Saltwater deck wash pump  
Ball valves on all skin fitting inlets  
45mm stainless steel propeller shaft with PPS dripless seal  
2 x Electric bilge pump (fwd & engine compartments)  
1 x Manual bilge pump  
Holding tank (Black water) with macerator pump  
Holding Tank (Grey Water) with macerator pump  
Winch and Furling Hydraulic power pack, pump, valve banks.  
Electric Throttle Control Processor

**Main Engine:**

160hp Yanmar turbo diesel with marine gears  
Freshwater cooling  
Alternator 120 amp 24 volt and 80 amp 12 volt  
Racor Fuel filter

**Generator:**

10kva Fisher Panda generator  
Racor fuel filter

**Bow Thruster:**

Tunnel Thruster 8kw, 250 dia prop

**Galley:**

Corian galley top with corian fiddle (Both Sides)  
White Glass Splashbacks to all Galley Tops  
Overhead cupboards (American Oak)  
Pantry cupboards and drawers (American Oak)  
Walnut laid floor, Walnut kick boards/skirting and architraves  
American Oak faced bulkheads  
Walnut floor hatch in three sections for under floor storage  
Gimbaled electric Microwave/Convection oven and ceramic cook top  
Sink (Franki)

Range hood over stove (Miele)  
Brodware Tapsets  
Hot and cold pressurised water  
Dual refrigerators, slide out drawer style  
Freezer under bench  
Under bench lights (Halogen/LED)  
Overhead lights (Halogen/LED)  
2 x 240 volt double outlet

**Main Saloon:**

Laminated 14mm tinted/UV protection laminated glass windows  
Dual Oak grab rails to ceiling  
"L" shape main lounge settee leather upholstered.  
Two seater leather upholstered lounge Stbd. side  
Dinette table, folds to coffee table  
American Oak steps down to galley  
American Oak solid laid floor  
Engine access hatches.  
2 x overhead flush deck hatches  
LED Lighting flush fittings  
2 x 240 volt power outlet  
Ocean Air blinds to saloon side windows  
Concealed Ocean Air Hatch blinds in ceiling for sun and insect protection  
CD, Audio Entertainment (Fusion)  
Concealed 48" TV Plasma/LCD Screen on Electric Raise  
Navigation Station/Office port side.

**Helm Station in Main saloon:**

American Oak Instrumentation console.  
Engine controls, warning lights, audible alarm, oil pressure, water temperature gauge, tachometer, voltmeters etc.  
Stainless steel engine electric throttle control with Cockpit/Inside Helm selector.  
Raymarine Joystick control for hydraulic power steering.  
BEP Digital Switching CZone Electronic System 8" Touch Screen Control inc all DC Battery Monitoring, AC Monitoring, and electrical operation and control of yacht  
Tank level monitoring for Fuel, Domestic Water, Black and Grey Water Storage tanks, and pump out control.  
VHF radio Icom.

**Internal Helm Navigation Instrumentation**

Raymarine P70r Auto Pilot Control Head with Gyro  
Raymarine i70 Multi Function inc Wind, Depth, Speed, Log etc  
Raymarine SPX Auto Pilot System (Gyro)

**Port Aft Cabin & Starboard Aft Cabin:**

American Oak bulkheads and fabric upholstered bunk sides  
American Oak overhead lockers  
American Oak Double Drawer units  
American Oak Locker  
Double bunk berth.  
150mm Mattress  
Storage under bunks  
2 x Overhead light (Halogen/LED)  
1 x Reading light (Halogen)  
Fixed porthole  
Opening porthole/hatch  
Walnut laid floor and skirtings  
American Oak faced and Walnut inlay cabin door

**Stbd. Aft Cabin Ensuite/Starboard Day Head/Shower.**

Separate Shower Corian lined, Glass shower doors  
Brodware Tapsets stainless steel  
Electric Toilets are fresh water flush  
Hot and cold pressurised water  
Corian vanity tops and underslung basin  
2 x overhead lights (halogen/LED)  
1 x 240 volt outlet  
Adjustable and Hand held shower (Brodware sets)  
Vanity Mirror  
Towel Hooks  
Towel Rail  
Vanity Locker  
Teak shower grate  
Soap dispenser and toothbrush holders  
Fixed Porthole  
Extraction Fan ventilation/exhaust

**Forward Stateroom:**

American Oak faced bulkheads  
Fabric upholstered side infill panels and bedhead  
Queen berth 200mm Mattress  
American Oak overhead cupboards and shelves  
Double American Oak hanging locker and shelf arrangements  
American Oak Large Drawers x 2  
Large deck hatch  
Overhead lights (Halogen/LED)  
2 x reading lights (Halogen)  
2 x fixed portholes  
Walnut Oak laid floor  
American Oak faced cabin door with Walnut Inlays  
24 volt power outlet x 2

**Forward Stateroom Ensuite:**

Separate Shower Corian lined with Storage Recess in shower & Teak lined shower seat  
Glass shower doors  
Vanity Cabinets under bench and cupboard above vanity bench  
Brodware Tapsets stainless steel  
Electric Toilet is fresh water flush  
Hot and cold pressurised water  
Corian bench tops with underslung basin.  
2 x overhead lights (halogen)  
1 x 240 volt outlet  
Adjustable shower (Brodware)  
Vanity Mirror  
Towel rail  
Towel Hooks  
1 x deck hatch  
Teak shower grates, Teak shower seat  
Walnut laid floor  
Fixed port hole  
Soap dispenser and toothbrush holders

Note: Buizen Yachts Pty Ltd. reserves the right to amend the above specification from time to time as may be determined by changes to equipment specifications, availability or the redesign of fittings and fixtures.

Buizen Pilot House Yachts

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