



AQUALINE
MARINE SERVICES



THE VOYAGER DUTCH BARGE

SPECIFICATION



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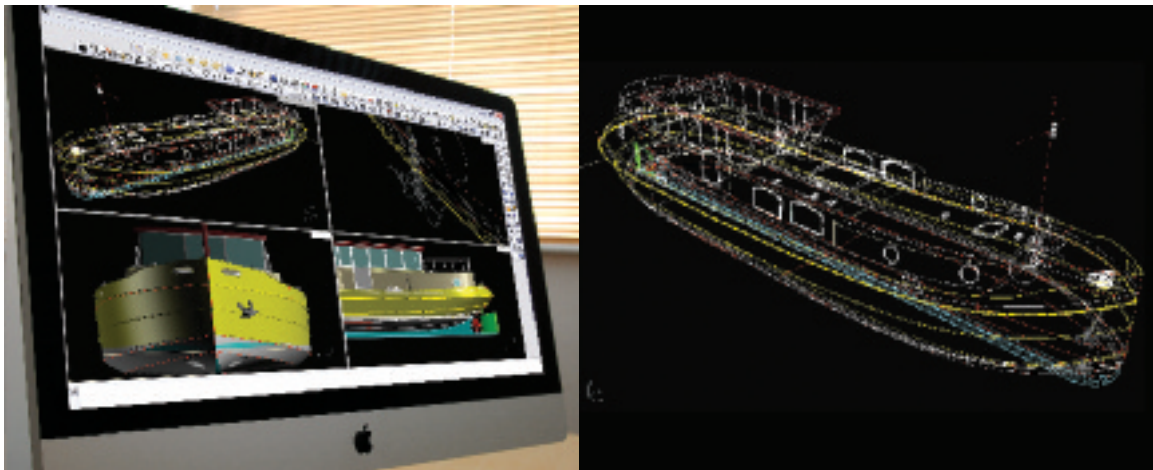
www.aqualinamarine.co.uk

DESIGN

Using up-to-the-minute latest AutoCAD and 3D rendering technology, fully supported with theoretical stability calculations, Aqualine has taken the hull design of the traditional Dutch Barge and brought it in to the modern age. The end result is a boat that has poise, proportion and purpose.

Sweeping body lines of the hull wrap around the boat in an almost fortress-like manner. The superstructure has shape and interest - this is anything but a monolithic block. Upon this, elegantly perched, is the wheelhouse which puts you in a commanding position with panoramic vision for pleasurable cruising and ease of handling. This is a boat that looks and feels good on water.

Inside, this meticulous eye for design continues with a determined and considered interior design approach throughout the boat. Style, symmetry and substance mean that life aboard isn't in any way compromised. The Voyager, is nothing short than a luxurious floating suite of rooms.



Category

As a category C craft you can cruise with confidence, safe in the knowledge that the Voyager has been designed and built for conditions up to, and including, wind force 6 and wave heights up to, and including, 2 metres (based on mean average wave heights).

Lengths and Beam

Standard lengths are 55, 60 and 65ft with a 12ft 4' beam, with other lengths available upon request.

Optional extras

There is the opportunity to customise your craft exactly to your needs from a wide range of optional extras detailed throughout this document.

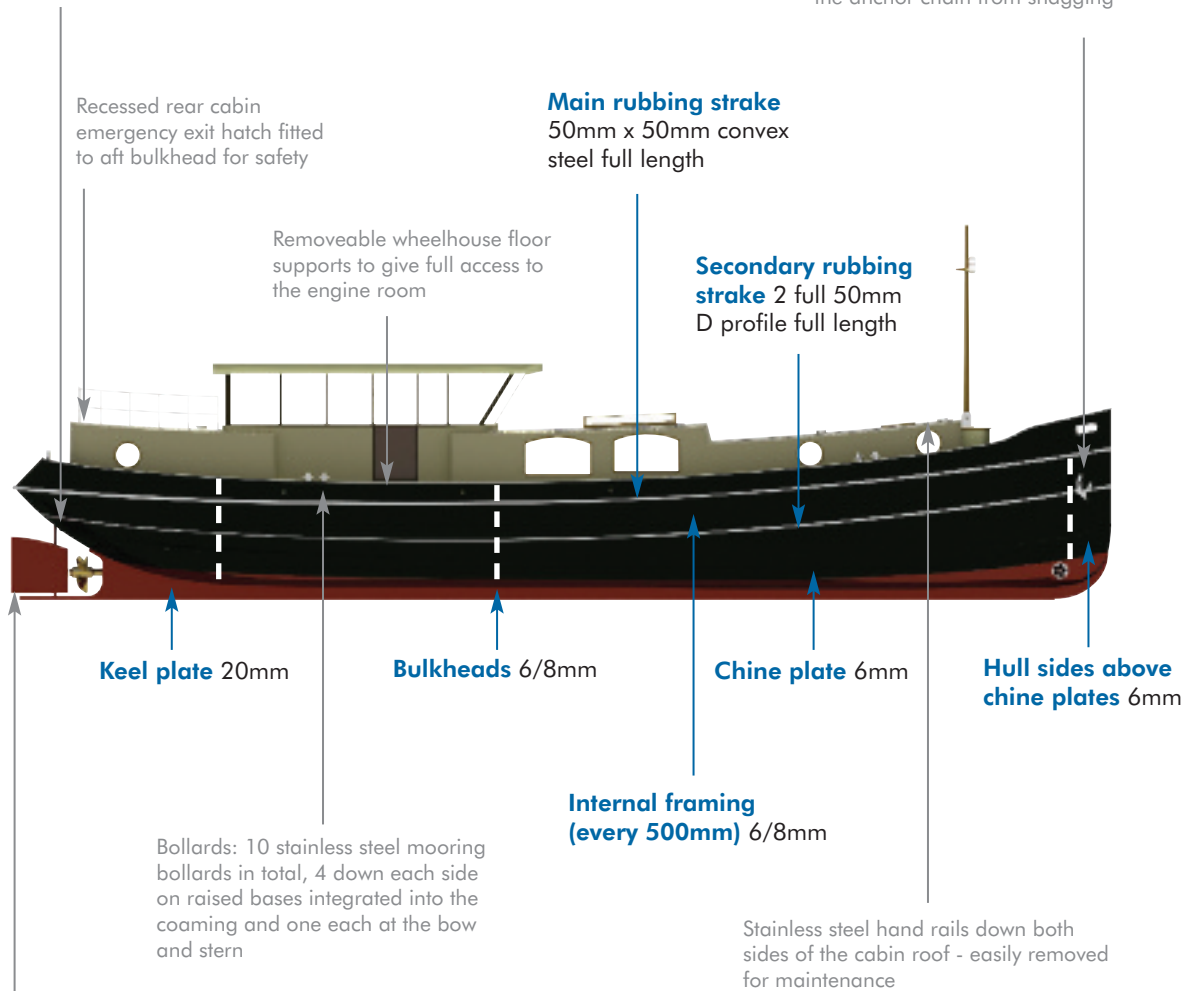
Approvals

The construction process is overseen by the Polish Register of Shipping who are an International Notified Body, ensuring each craft is built to stringent standards. All boats conform to the Recreational Craft Directive and come complete with CE mark plus a full 12 month warranty, and extended warranties on many parts. A full owner's manual with operating instructions and technical information is also provided.

OVERVIEW

Two piece rudder stock allows ease of access for maintenance through rear bulkhead via a sealed cover plate

Anchor winch mounting reinforced above the self draining anchor locker. Radius chain guides provided to stop the anchor chain from snagging



Re-boarding steps provided on the rudder for easy access back in to stern decks

STEELWORK

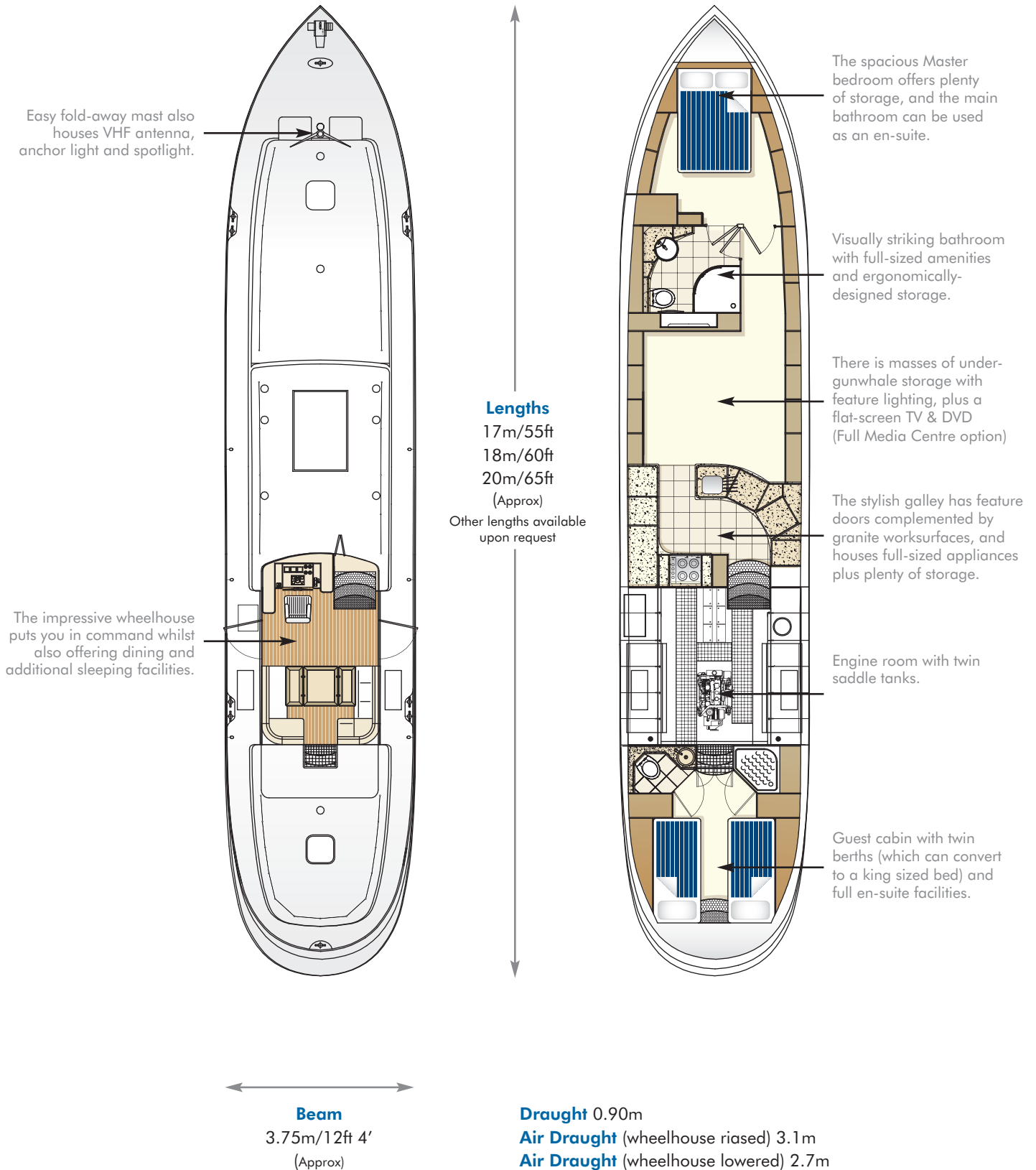
Hull

All steel conforms to EN S235JR and is de-stressed, rolled, grit blasted and sigma primed in one single process eliminating any chance of corrosion.

Superstructure

Constructed from 5/4mm steel which is selected from the US owned Kosice plant in Slovakia - world famous for the production of steel with a high quality finish and lack of millscale. All of which means it's unnecessary to blast before painting and is also the preferred choice of steel by laser cutting companies throughout Europe.

LAYOUT



PAINT

Hull and Engine room

Internally the hull, which is already Sigma primed, is then given a further two coats of epoxy primer. All bilge areas are coated with a protective treatment oil that offers a high resistance to corrosion. The exterior is painted with a base coat of Sigma primer, a product chosen by the shipping industry for its high protection after the blasting process, with the lower part of the hull being given two coats of Intertuff. An optional Interzone coating can be chosen for longer term saltwater/brackish conditions with the added benefit of reduced longer term maintenance costs.

The engine room is epoxy primed and sprayed with a cream satin polyurethane topcoat, prior to having 3M metallised engine room insulation fitted to the side and roof areas.

Superstructure

Sigma primed following blasting, then the inside and outside is epoxy primed using PPG's commercial grade system. The outside is then 'faired' to remove any blemishes and then over primed. This process is repeated a number of times before an undercoat is applied in preparation for two coats of PPG's polyurethane 2 pack system being applied and sprayed to create a gloss finish with depth to a colour finish of your choice.

TECHNICAL

Tanks

Two integral diesel tanks are fitted either side of the engine and are linked to maintain stability on a diminishing level. Above these are two Vetus black water tanks, not linked as they are independent to each bathroom and above these are two linked stainless steel water tanks.

Twin integrated fuel tanks	1200 litres (2x600)/280 gallons
Twin composite black water tanks	670 litres (2x335)/150 gallons
Twin stainless steel fresh water tanks	1040 litres (2x520)/230 gallons

The above based on 60ft tank sizes vary with length

All the tanks saddle the centrally mounted engine maintaining excellent stability characteristics as loads diminish and increase.

Insulation

Accommodation space

For excellent insulation both thermally and acoustically, the floor is made up from an insulated composite panel with 100mm of Dow Industries high grade Styrofoam, sandwiched between two layers of WBP plywood which rests on a waterproof membrane. The rest of the interior of the hull, cabin sides and roof are all spray foamed.

Engine space

The engine room is covered in 3M metallic scrimmed Thinsulate which reduces noise levels to a minimum so as to enjoy a pleasant cruise. It is held in place by a perforated galvanised metal sheet.

Engine

Fitted with a 4 cylinder, 3769cc Beta Marine 90 engine (90bhp @ 2,600rpm). It has two alternators - one 65 amp, one 175 amp alternator and comes supplied with a deluxe control panel. The Beta 90 offers E-CDIS combustion for quiet running, low emissions and excellent fuel consumption. Connected to a PRM 500 D hydraulic gearbox which drives the Equipoise propeller through a low maintenance water lubricated bearing, coupled to the main prop shaft and ultimately connecting to the gearbox via a python drive.

A water cooled exhaust system and a forced ventilation arrangement is used to keep the engine room temperature under control and the whole area is protected by the latest automatic fire extinguisher technology.

Engine upgrade option

Specially developed for commercial boats the 6 cylinder Beta 150 is a heavy duty marine diesel propulsion engine that offers outstanding slow speed/high torque control that's quiet, smooth and economical with direct injection. This 6.7 litre delivers 147bhp@2,800rpm with a 90amp battery charging alternator. It also has a combined heat exchanger and water cooled exhaust manifold for extra reliability.



TECHNICAL (con't)

Steering system

The rudder is operated by a closed loop hydraulic steering system, for ease of operation and responsive helming, via a stainless steel wheel attached to the helm unit. There are a number of bypass valves to isolate the hydraulics should the emergency steering system need to be deployed.

Operational equipment

The helming position is appointed with with all the navigational aids you'd expect in a boat of this calibre and features the following:



- Rudder position indicator
- VHF radio
- Compass, speed/log and depth sounder instrumentation
- Deluxe engine control panel
- Fuel level indicator
- Status displays for the various tanks
- Switch panel for operational equipment
- Bow thruster control

All main operational circuits are controlled by a series of switches incorporated into the main panel which along with the throttle control and 24v bow thruster are all positioned for functionality and pleasing aesthetics. This hi-tech equipment is ergonomically presented in a purpose built cabinet for convenience and style.



Stern thruster upgrade option

A whole new level of control at your fingertips that makes manoeuvring with exceptional ease in difficult conditions or tight situations. Turn on the spot or move the whole boat sideways with the utmost confidence - perfect for mooring your boat with finite precision.

POWER & HEATING

24 Volt power system

Six 95amp/hr marine batteries which when moored are charged from the Master Volt's integrated 120amp charger. When cruising the batteries are charged by the twin alternators assisted by a sophisticated regulator management system.

Power is distributed from two main panels, one at the helming position for the boat related circuits and the other outside the electrical cupboard for the domestic circuits, which give clear and simple indication of system status. Each consumer unit is protected with individual circuit breakers and specialised relays.

Both the engine and the domestic circuits can be operated by a convenient electrically triggered isolator switch which can be programmed to preserve the battery bank to avoid the charge status becoming low.

240 Volt power system

The boat is equipped with a 240v system as standard. When moored, a shoreline hook-up automatically charges the batteries through the intelligent inverter charger.

When cruising the 3000W Mastervolt inverter will automatically detect that the landline is no longer connected, will then switch to silently converting 24v battery power into 240v ensuring the numerous appliances function normally.

Power system upgrade option

Get power on demand whenever, wherever by upgrading to a Kohler 4.5kW diesel generator. This acoustically housed, raw water cooled, low revving (1500rpm) state of the art Genset is ideal for long periods away from shoreline power the Kohler generator operates with an unparalleled level of efficient performance.

Lighting

24v lighting features throughout the boat with a combination of stainless steel halogen down lighters, contemporary wall lights and LED mood lighting.



POWER & HEATING (con't)

Heating system

The Alde 3010 Compact high efficiency combi boiler is ideal for central heating and hot water systems in boats heating water in a stainless steel calorifier. The boiler gives 7.5kW central heating that is clean, efficient, silent, reliable, and versatile, powered by LPG and/or 230 V electricity. With its multi-stage burner, the boiler only uses as much energy as needed to heat the living space, eliminating waste.

It has a low amperage of 0.4A and a maximum power output of 2.1kW (electric) and 6.4kW (butane).

Heating system upgrade option

The Kabola HR400 combi boiler is recommended for use with continental cruising in mind delivering a maximum of 14kW power. Complete with calorifier unit this diesel fuelled boiler is a reliable way of delivering an efficient central heating and hot water supply.

EXTERNAL

Mast

The hollow mast is constructed from Sapele to a tapered design, with swept back crosstrees made from a solid timber section to support the mast when it is folded onto the deck. The mast houses within its hollow centre the loom for the VHF antenna, the anchor light and the spotlight.

It folds from the deck by pivoting on a bracket integrated into the front lockers and cabin roof and is automatically secured by a latch system on the base (which can be released by deploying a foot switch).

Optional sun deck

The optional sun deck is the ultimate style statement and is a great way to create extra useable space. It's finished in teak effect decking with stainless steel stanchions and stainless ropes and is easily accessed via built-in fold away steps, on the starboard side, to the rear of the wheelhouse.



INTERNAL

Wheelhouse

The wheelhouse is a combination of functionality for the helmsman and comfort for guests and crew. At 4.6m x 2.3m (wheelhouse sizes vary with boat length) it features comfortable wrap around seating with a versatile folding table to offer additional space for dining and socialising with a panoramic backdrop. Seating and table easily convert for use as an extra occasional berth. The table pillar can also double up to form additional helmsmen seating if required.

At the Helming position all of the operational equipment is laid out ergonomically with a luxury Savoretti Armando stainless steel and teak steering wheel. All of the equipment is built into bespoke oak cabinetry, which also combines style with storage. A combination of oak panelling and hardwood finishings is used, sapele window framing and practical teak style flooring. The roof lining is finished in a luxurious fabric or optional leather with colours to be specified by the client.

Optional folding wheelhouse

For those requiring a low air draft, for use on most of the inland waterways, then we offer an ingenious collapsing wheelhouse. The windows fold down enabling the roof structure, which is split down the middle, to fold down onto the gunwhale by means of electro-mechanical actuators. The whole of the wheelhouse and accommodation area is still accessible along with upper and lower decks should the need arise. All of this convenience in only a few minutes from upright to fully collapsed.



INTERNAL (con't)

Galley

Enter the galley via the stairs in the front starboard side of the wheelhouse. On the starboard side is a set of kitchen units which curve around in front of you to form a division with the saloon. These house integrated full size fridge and a full size domestic washing machine, both 240v. Set into the granite work surface is a luxury under mount stainless steel sink and a high quality Monobloc mixer tap. A separate tap is provided to supply drinking water, via a General Ecology water filtration system.

On the galley bulkhead is a full height larder unit conveniently placed next to the domestic sized oven, with separate grill and full sized hob. Above this is an extractor unit and overhead cupboards, either side are handy pullout storage rails. Under the port side gunwhale is another row of units incorporating a magic corner, making it easy to get into those hard to reach areas.

Five hardwood drawers give storage for all those kitchen utensils then another cupboard provides yet more storage before entering the saloon. All the kitchen units are finished in a dark stained oak while the doors have offset white glass panels backlit with LED feature lighting. Stainless handles finish the look and provide continuity with the boats fittings throughout. The galley flooring is tiled with limestone effect Italian tiles and natural light is provided by the deluxe 42" windows on either side of the cabin.

Saloon

The saloon sits next to the galley, making the area open and communal, with the white painted roof panels and cream cabin lining extending from the galley. The centre ceiling feature of oak panelling, with inset halogen down lighters framed in a dark stained surround, conceals LED feature lighting which washes onto the white panelling.

There is plenty of storage space within the furniture which wraps around the whole room at low level which is enhanced with LED striplights running below.

The furniture frames the saloon on three sides and on the bulkhead facing the galley a TV unit houses a 32" LCD flat screen HD TV. The fronts of the oak veneered units are finished in a sapele frame with a contrasting inlaid banding; handles are in stainless steel and dark wood to compliment the dark wood finish in other areas of the boat. Heat is provided by concealed convector radiators.



Optional pigeon box upgrade

The optional Pigeon box hatch is an excellent way to allow natural light to flood into the saloon and galley area. Made from Sapele to match the other exterior woodwork it has stainless steel rods incorporated to protect the toughened glass and provide security.

Optional home cinema upgrade

For those who don't want to compromise on their entertainment we offer an integrated home cinema system which incorporates a radio, mp3 dock, dvd player, usb host and cd player.

Main bathroom

The main bathroom is accessed via the corridor joining the saloon to the bedroom. When the corridor door is closed the bathroom acts as an en-suite from the master cabin, with a separate, dedicated door. Inside the bathroom is a full sized quadrant shower cubicle lined in cream tiles and appointed with the latest hardware from Grohe and Kludi. Offset from the curved shower cubicle is a curved set of dark stained oak cupboards which provide storage whilst integrating the pump out head and supporting the granite worksurface, which has a designer wash basin set into the corner and is fed by another Grohe mixer tap.

Adjacent to the basin is a mirror with LED light above whilst below the gunwhale and running around to meet the mirror is feature shelving. For convenience there is a shaver socket, and heating is provided by a chrome towel rail. The ceiling is oak T&G painted in white with cream oak T&G cabin sides combined with oak veneered walls and cream floor tiles.

INTERNAL (con't)

Master cabin

Accessed from the corridor adjacent to the bathroom, the master cabin offers a double bed with an upholstered headboard, backing onto the chain locker bulkhead. Either side of the bed is a small wardrobe, one of which houses the battery charger and masterswitch for the anchor windlass and bow thrusters.

Along both sides of the bed are a set of lockers which conceal the heating convectors - these are topped in leather for a luxurious feel. Forward of the lockers are various wardrobes and a small vanity unit. Additional storage is provided by lifting the hinged bed base, while the end of the bed houses two deep pullout drawers.

The cabin is lined with a white painted hardwood T&G ceiling, cream painted hardwood T&G cabin sides and trimmed with oak. All the furniture is oak/oak veneer and the floor is covered in a deep pile carpet with high quality underlay. The halogen downlighters, switches and 240v sockets are all finished in stainless steel.

Guest cabin

The aft cabin is accessed from the rear of the wheelhouse via the oak companionway steps. To the left of the steps is the full sized shower and to the right is the bathroom; both are enclosed by an oak framed glass door, giving the area a symmetrical appearance. The shower is finished with cream tiles and appointed with Grohe and Kludi fittings and there is a Vetus extractor unit to deal with the steam.

The bathroom has a Vetus pump out head and a round wash basin built into the granite top. Furniture is made from dark stained oak and the floor is covered in cream tiles. Forward of the shower and bathroom are two wardrobes followed by the two berths which transform from two singles into one very large double by the addition of an infill mattress, catering for a variety of guests. Surrounding the beds are a series of lockers and shelves - in the end of the each bed is a stack of drawers whilst underneath storage is gained by lifting the mattress.

The convector heating system is built into the units either side of the bed. The room is finished in hardwood T&G painted white and cream whilst the furniture is oak, and the floor is covered in deep pile carpet on top of a luxury underlay. The fixtures and fittings are in stainless steel and lighting is provided by halogen down lighters. There is a hatch in the rear wall giving a means of escape onto the rear deck.

PRICE

	55 X 12'4 FT	60 X 12'4 FT	65 X 12'4 FT
	from £239,950	from £259,950	from £279,950

HM Customs & Excise Ruling

Widebeam vessels of a certain size may qualify for zero VAT, if they are being used as your sole place of residence. Please contact us for more details if you are considering a purchase for residential use.

E.g from	E.g from	E.g from
£202,958	£219,625	£236,292

Bespoke lengths available upon request	POA	POA	POA
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Factory handover discount	POA	POA	POA
Delivery and handover by arrangement - customers who travel to Poland for their handover will receive a discount on the overall price.			

OPTIONAL EXTRAS

We offer a wide selection of optional extras that allow you to personalise and enhance your boat specific to your requirements. The cost for fitting these varies depending on the size of Dutch Barge being supplied. Therefore costs for any optional extras will be confirmed at the point of ordering.

TECHNICAL

Beta Marine 150 engine

More torque with a smooth and economical performance.

Keel cooling and hospital silencer

Cruise the inland waterways with quiet efficiency without fear of clogging/blocking from litter.

Kohler GenSet

Get power on demand whenever, wherever with this unparalleled diesel performing generator - choice of two - 4.5Kva and 7Kva.

Kabola heating system

Heat and hot water without compromise

Stern thruster

With the fitted bow thruster as standard this upgrade gives you the ultimate control in tight situations.

Split balanced fuel tanks

Split heating fuel and propulsion fuel for a more cost effective usage.

Switch valve pump out

Allows, where permitted, the black waste to be discharged from toilets straight over board.

Increased ballast

Applicable when craft is operating in coastal waters.

Travel power

Engine driven 240v alternator generating power for the whole boat.

Remote anchor control

Lower and raise the anchor from the helming position. Perfect when single handed cruising

Isolator transformer

Eliminate galvanic corrosion between the ships hull and other metal objects. An isolation transformer can also allow 'English' wired boats to be used on continental shorepower supplies.

EXTERNAL

Interzone 2 pack hull treatment

Provides extra protection to the hull in brackish sea water whilst extending the period between blackings.

Sun deck

Finished in teak effect decking with stainless steel stanchions and stainless ropes (which can be easily dismantled if specified with the collapsible wheelhouse). Accessed via built-in fold away steps, on the starboard side, to the rear of the wheelhouse.

Powered collapsible wheelhouse

Access all areas by easily lowering the height of your boat to cruise under bridges.

Searchlight

Positioned on the wheelhouse roof and operated from inside.

EXTERNAL con't**Solar panels**

The ultimate in self sufficient, greenhouse friendly power.

Concealed gunwhale equipment lockers

Mooring equipment locker recessed into the gunwhale to provide easy access, directly outside the wheelhouse door. Ideal for additional fenders/ropes etc.

Hardwood pigeon box

Appreciate the extra light by day and the stars by night.

Stainless Steel and hardwood hand rail

Substantial framing for the aft deck (not to be specified with the collapsible wheelhouse).

Magma stainless steel gas bar-b-que

Factory fitted, this is a must for alfresco dining

INTERNAL**Helmsman seat**

Take the weight off and cruise in comfort.

Chart plotter

Navigate coastal waters with greater ease and confidence.
Does not include license/software

Double glazing

Extra sound proofing and insulation.

Morso squirrel solid fuel stove

Traditional heating method, perfect for cosy nights in.

Washer/dryer

Wash and dry in one go - easy.

Built in microwave

Quicker food solutions at the touch of a button.

Integrated appliances

Draw freezer and/or dishwasher.

Home cinema surround sound system

Integrated home cinema system which incorporates a radio, mp3 dock, dvd player, usb host and cd player.

Leather seats and roof lining

Achieve that instant style statement with matching leather seating and roof lining to your preferred choice of colour.