



MAGIC MOMENTS OF LIFE

LOA:	55'9" / 17.0m
Year:	2003
LWL:	44'9" / 13.64m
Beam:	15'8" / 4.78m
Draft:	7'3" / 2.23m
Displacement:	49,500lbs / 22,500kg
Ballast:	20,900lbs / 9,500kg
Hull Material:	GRP
Engine:	1 x Yanmar 4LH-TE 140hp
Designer:	Ron Holland
Builder:	Discovery Yachts
Location:	South of France
Price:	€720,000 VAT paid

BERTHON

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Disclaimer

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Interior Designer: Ken Freivokh Design, Fareham, England

Structural and design: High Modulus Engineering, Auckland, New Zealand and Hamble, England

Hull Construction

- The immensely strong lay-up specified by the Designer and Structural Engineers meets full CE regulations Category "A-Ocean"
- Composite construction with end grain balsa core providing superior strength, thermal insulation and acoustic insulation but keeping the weight down which adds to performance
- Layer of Kevlar massively adding to the hull strength to resist impact damage
- 2 Layers of isothalic gel coat, non pigmented below the waterline to help prevent osmosis
- Vinylester resins are used throughout for added strength and osmosis prevention
- Two water tight bulkheads providing sealed buoyancy and safety
- Navy blue (Duker blue) gel coat with red and white boot topping and gold cavita line.
- Antifouling in off white
- 6 GEBO opening Portholes with screens
- Transom bathing ladder
- Teak deck on side decks, superstructure and in the cockpit

Keel

- 9,500kgs (20,500lbs) shaped lead keel and a depth of 2.23m (7'3") provides a ballast ratio of 42% providing maximum stability and comfort
- Keel is through bolted to the hull stub with cast-in stainless steel bolts

Steering

- 1067mm (42 inch) leather covered stainless wheel (with friction brake) controls a Whitlock Mamba, solid rod steering system, providing direct & positive steering
- Semi balanced large Kevlar reinforced rudder bonded to a solid stainless steel shaft with top and bottom bearings
- Emergency steering tiller

Mechanical

- Engine: Yanmar 4LH-TE, turbo charged, 140hp at 3,300 rpm.
- Engine is mounted on captive flexible feet to minimize vibration, and transmission is coupled to an Aquadrive
- Propeller: 24" Gori folding propeller with overdrive
- Rope-cutter on propeller shaft (AM15, 3 blade)
- Filters - main engine: Separ filters and water separators (4X), one for each fuel tank routed to one general filter/water separator then to OE engine filter. Alarms for each filter (5x) at steering pedestal
- Alternators (2x): 55 amp 12V alternator for charging the start battery and 100 amp 24V alternator for charging the main house batteries
- Full walk-in engine room lined with fire retardant insulation
- 2x heat triggered 2kg powder fire extinguishers in engine room
- Generator: Kohler 9EFOX 9kW generator including sound shield, remote panel and circuit breaker.
- Filters – generator: 1x Separ filter and water separator, 1x second filter and 1x OE generator filter
- Both generator and engine exhaust are routed to an HMI water separators which eliminate water exhaust noise – main engine exhaust alarm at steering pedestal
- Bow-thruster: Maxpower 125, 10hp composite with single stick control at steering pedestal and remote control .

Electrical

- 24V System
- Victron - Phoenix Multi 24 V 3000 VA 70 Amp Charger/Inverter
- Mastervolt 12V Battery Charger for engine & generator start batteries
- Marine grade tinned cabling is used throughout

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- 2 x 12V sockets at Nav. Station
- 1 x 12v socket in forward cabin.
- 1 x 12v socket in aft cabin.
- All 220v sockets are to French standard from Berker range.
- Additional 220v sockets in aft cabin, mounted inside the low level side lockers for late fitting of table lamps.
- Inboard galley socket over dump sink; high up so not seen from forward.
- Additional double socket in Velstone upstand on outboard galley unit.
- Halogen lighting throughout
- Night lights throughout.
- Ondine bulkhead lights in standard position, with blue lamp shades.
- Light switches in heads compartments are switches, not pull cords and a silver finish.
- Light switch for lobby operated at aft end of passage.
- Navigation lights: 3 stainless navigation lights, steaming light, anchor light & masthead tri-color light
- Stern boarding light
- Deck lights 2x
- Anchor chain counter
- Shorepower socket fitted to transom.

Batteries

- 12 x 2V sealed gel batteries for house providing 480 amp/hour at 24V
- 1 x 200 amp/hour start battery for engine
- 1 x 120 amp/hour start battery for generator
- House battery charging via main engine alternator, generator, or shore power
- Start batteries charge via alternator, generator or shore power via a Mastervolt 12V charger
- 24 to 12 Volt Mastervolt converter provides 12V on-board power source
- Emergency 12V start battery link

Tankage

- Fuel: 1334 liters fuel in three high density polyethylene tanks with baffles and inspection plates
- Fresh Water: 2 x polyethylene tanks totaling 1008 litres / 222 gallons
- Black Water: 1 x 60 litres / 13 gallons, 1 x 40 litres / 9 gallons
- Grey Water: 180 litres / 48 gallons
- 50 litres / 11 gallons insulated Calorifier – heated via immersion heater or main engine
- Drinking water purifier and faucet in galley
- Water and fuel gauges incorporated in DC panel.
- Water-maker: Seafresh, 95 litres per hour (H206A, 230v 50hz, close coupled, standard panel).

Plumbing

- Pressurized hot and cold fresh water
- Calorifier
- Shower fixtures: Hansgrohe
- Effepi sink faucets in galley and heads
- Sananautico electric heads forward and aft.
- Pressurised sea water for deck wash, toilets, kitchen sink, anchor hose and hot tub

Navigation Equipment

- Standard instrument package:
 - S3 Pilot corepack.
 - ST7001+ control.
 - ST60 Tri data.
 - ST60 wind system.

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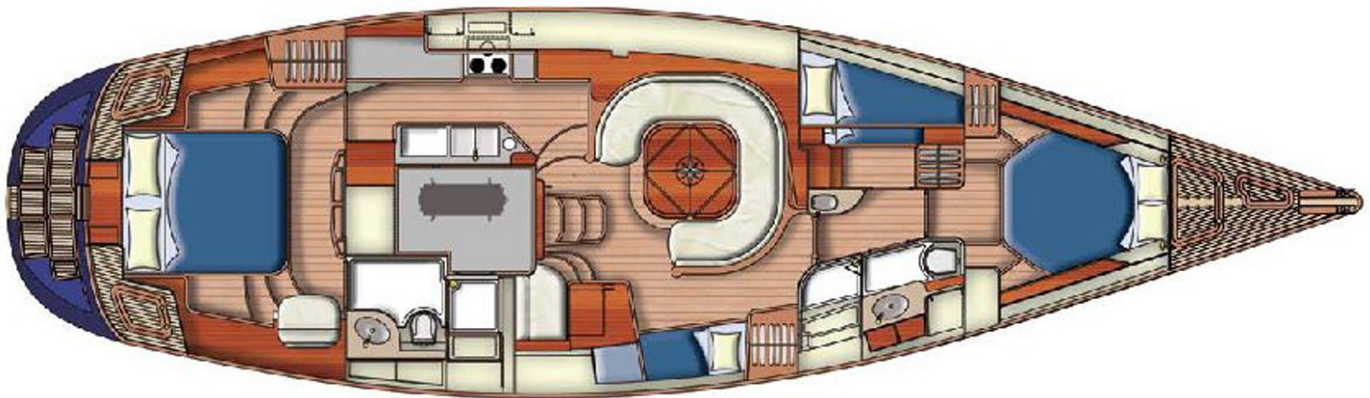
- ST60 Close hauled.
- ST600R remote pilot.
- Mast bracket for radar scanner.
- Raychart 320 mono chart plotter.
- Garmin 128 GPS receiver with display at navigation desk (to act as secondary GPS).
- Interfacing to provide seamless switch over from primary to secondary GPS.
- Furuno dual frequency Navtex with interface for PC viewing and printing.
- Simrad IS15 instrument pack:
 - Speed display and transducer.
 - Depth display and transducer.
 - IS15 transceiver.
- Simrad IS15 wind pack:
 - Wind display and mast head unit.
- Simrad DS34CR system pack:
 - DS34CR 7" daylight viewable colour radar/plotter/sounder repeater at pedestal.
 - 2kW radar scanner.
 - GPS antenna.
- Simrad CA44 10" colour radar/plotter/sounder at navigation desk.
- Sounder through hull plastic transducer.
- Simrad autopilot pack:
 - AP26 control for pedestal.
 - Pilot course computer.
 - Rudder reference unit.
- Standard fluxgate compass.
- AP26 control for navigation desk.
- RC36 Rate compass.
- RS82 DSC VHF radio system.
- RS82 VHF 2nd station for helm position.
- Icom M802 SSB plus ATU 140 bundle pack (not UK approved).
- Copper strip for grounding SSB (5m).
- Grounding plate for SSB installation (12" x 3").
- Dedicated 24v to 12v converter for SSB.
- ECI MK2 fixed mount iridium phone with BDU, antenna and handset:
 - Iridium data CD.
 - Iridium 14m antenna cable assembly.
- Board Terminal weatherfax software.
- On board PC system:
 - PC system CF100 2.4GHz.
 - Prolite 115 15" flatscreen multi media monitor.
 - Logitech optical cordless mouse and RF keyboard.
 - Windows XP home operating system installed (OEM).
 - 4-way USB hub for additional peripheral equipment (cameras etc.); USB socket at desk.
- BJ85 Compact printer with cable connection (not Bluetooth).
- C-Map reader – portable with USB connection.
- PC flatscreen monitor installed overhead (adjustable swing down fitting).
- Firdell Blipper passive radar reflector fitted to mast.
- See Me active radar reflector fitted to mast.
- Multi function antenna on masthead to provide SSB DSC reception.
- Installation kit for Siemens SX1 Smartphone GSM.
- Wiring and set up for computer/radios.

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Accommodation

- Hand-crafted cherry joinery
- All curtains in Nobilis cotton
- Laminate flooring in standard Cherry.
- Laminate flooring extended forward from the navigation desk to the watertight door. Carpet fitted on top with press studs.
- Saloon table fitted protective cover
- Chart drawer
- Pull out shelving/crockery storage in the galley.
- Bar locker for bottles and glassware
- Reading lights on all berths (except pilot berth)
- Abundant 220V electrical sockets
- Airflow springs fitted to aft cabin berth.
- Airflow springs fitted to forward berth.
- Airflow springs for both Pullman berths.
- Saloon seating in Spinneybeck leather AD6005 with dark blue piping. Piping runs horizontally along top and bottom only.
- Navigation seat in Spinneybeck leather SA7011.
- Padded cover for saloon table (Kayospruce Acrylic 'Off White' ACOW15).



Owner's Stateroom:

- King size double berth with split mattress and lee cloths
- Bedflex battens underneath mattress
- 3 x lee cloths
- 1 x large hanging closet, 4x large drawers, large concealed shelf area, various concealed compartments
- Ensuite head and shower
- 1 large opening hatch with concealed mosquito screen and dark out screen
- 2x dorade vents
- 4x opening portlights
- Safe deposit box with code lock fitted to secret location.
- Safe deposit box with code lock fitted to daily accessible position.

Guest Stateroom:

- Double berth with split mattress
- Custom bookshelves fitted about berth.
- Bedflex battens underneath mattress
- Central lee cloth
- 1 large opening hatch with concealed mosquito screen and dark out screen
- 2x opening portlights
- 1 dorade vent
- Hanging locker, shelf locker, abundant concealed shelves, large drawers and mirrors

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Guest bunk cabin:

- 2 berths
- 2 opening hatches
- 1x opening portlight
- Lee cloths
- Several drawers, 1 shelf locker, 1 hanging locker with full length mirror

Saloon:

- Custom layout on the starboard side of the saloon with:
 - Hanging locker under navigation desk and desk top with chart storage underneath, and shelved locker.
 - Additional portlight to hull positioned centrally.
- Raised seating providing panoramic vision with excellent ventilation and light
- 1 Pilot berth with fitted lee cloth
- 2 opening deck hatches
- Deep and wide companionway steps (x 3) from cockpit with large grab handles, to avoid stepping down backwards
- Bookshelf fitted to area under front centre windscreen.
- Watertight door in corridor leading to guest accommodation forward

Heads:

- Pressurised hot and cold water
- Electric shower and sink sump pump
- GRP molded units for easy cleaning
- Solid surface granite in forward and aft heads.
- Separate showers keep head areas dry.
- Teak grating to head and shower floor in forward/aft heads. Holes in grating are comfortable under foot. Gratings cut into sections to enable easy removal and cleaning.
- Sananautico electric toilet in forward and aft heads.
- Mini Vasque 3025 basin in forward heads
- Seychelles Vasque 6029 basin in aft heads
- 220v Heated towel rail in forward and aft heads.

Navigation Area:

- Raised navigation seat providing panoramic vision
- Red night light
- Leather seat

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Entertainment

- Cockpit speakers
- Masthead TV antenna Glomex V9112/AB including masthead bracket (V9124 on wing). Cable to aft cabin and to standard saloon position.
- Sony stereo FM radio and CD-player in aft cabin and saloon.

Aft Cabin:

- Samsung SM213T 21" flat screen monitor.
- Alpine CDA9830 CD/tuner with Ipod interface facility and wireless remote control.
- 2 x Alpine 15cm speakers.
- 6-Disc multi region DVD changer interfaced with Alpine CD/tuner.
- Multi system TV tuner interfaced with Samsung monitor and connected to mast head antenna.
- VHS video player providing NTSC and PAL standard video playback.
- Video switching kit and magic eye system to provide remote control facility for concealed units.

Saloon:

- Alpine CDA9830 CD/tuner with Ipod interface facility and wireless remote control.
- 4 x Alpine 15cm speakers.

Domestic Equipment

- Frigoboat fridge for easy access with 2x front opening doors (300 litres/10.4 cu.ft) fitted with 6 shelves and internal light
- Additional evaporator plate to fridge for emergency use (with separate compressor and keel cooler).
- Front opening Frigoboat freezer (or 2nd fridge)
- (175 litres/6.1 cu.ft) fitted with baskets
- Force 10 - 3 burner gas cooker with grill
- Front loading dishwasher.
- Single bowl galley sink; maximum size possible. Standard gold and silver taps.

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- Large Velstone “dump sink”
- Locker for storage in galley.
- Acrylic glass holder fitted low down on aft, outboard galley bulkhead. 6 x Tumblers.
- 2 x swivel spray head taps (salt & fresh water)
- Manual fresh water tap
- Chute design waste bin
- Drinking water purifier and faucet in galley
- Eberspacher central heating system
- 220v vacuum cleaner with storage inside engine room.
- Washer/Dryer: Zannussi Aquacycle XX
- Air Conditioning to forward and aft cabins
- Fans in all cabins.

Deck Equipment

- Deck is molded in GRP with a balsa core to provide strength and insulation
- Joined to the hull with epoxy paste and stainless bolts for security
- In load bearing areas, plywood replaces the balsa core. All load-bearing fittings have aluminum or stainless steel backing plates.
- Full teak decks, capping rail, seating
- Two transom lockers
- Two large lazarette lockers with lights
- Self-draining gas locker port amidships
- Self-draining life-raft locker port amidships
- Large sail locker forward
- Self-draining chain locker at the bow
- All bulkheads are laminated into the deck for strength and stiffness
- Hot/cold freshwater shower on transom
- Freshwater outlet in cockpit to wash down decks
- Saltwater pressurized for deck & anchor wash located in the chain locker
- Gas barbecue for pushpit mounting.
- Hydraulic passarelle.
- Hooks for rope storage in lazarette and sail locker.

Winches:

- Anderson self-tailing winches
- Cockpit winches have yacht’s name engraved in them
- Primary 2x68STE 2+1 speed, 24V
- Mainsheet 1x52STE 2+1 speed 24V
- Furling, outhaul, jib sheet 1x52STE 2+1 speed 24V
- Mast winches 2x46ST 2 speed

Fittings/deck equipment:

- Front opening windows in saloon.
- 10 Lewmar hatches (8LP and 2MP) with screens for cabins
- 6 Portlights
- Additional portlight center at 990mm aft of navigation station, for starboard side.
- Skyscreen to port saloon hatch.
- Skyscreen to starboard saloon hatch.
- Skysol blinds on saloon side windows, colour blends with headlining.
- All stainless steel is 316 grade
- Stainless steel pulpit with teak seats
- Stainless steel stern rail with teak seats
- Stainless steel grab rails fitted to saloon roof, cockpit sides, and steering pedestal

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- Stainless steel stanchions (715 mm set in gunwales) with higher than standard guard-rail for added safety around deck
- Opening gates port and starboard
- Double stainless steel guard-wires
- Stainless steel rub strips on capping rail for cleats
- 8 stainless steel mooring cleats
- Stainless steel guardrails over dorade boxes
- Stainless steel ventilator cowls on dorade box.
- 2x 6kg propane fitted gas bottles with tank selector valve, individual pressure gauges, gas solenoid emergency by-pass in self-draining outboard gas locker
- Whittall Davits (150kg load) (hydraulics to work in conjunction with passarelle); integrated hydraulic pumps and control system.
- Antenna post
- Masthead TV antenna with gain control
- Bimini top and sprayhood in (Kayospruce Acrylic 'Off White' ACOW15) fabric; bimini has 3 x removable screens.
- Covers for: Bimini, cockpit table, pedestal, winches, deck windows and hatches
- Side boarding ladder with mounts and stowage in forward sail locker.
- Rain water collection system via outer deck drains
- Passerelle: 2.1 meter (stainless steel with teak grating insert), deck socket and lazarette stow
- Additional 12v deck socket in lazarette to be used for dinghy pump on aft deck.
- Ensign flagstaff

Cockpit:

- Large drains to remove water quickly with stainless steel grating over drain holes
- Deep seat backs for maximum comfort and safety
- Stainless steel bollard and 4x Spinlock clutches to handle furling, outhaul and jib sheet lines on coach-roof
- 2 x stainless steel U-bolts in cockpit for safety harness attachment
- Cockpit table with drink holders and center self draining storage
- Cockpit table cover.
- Single steering pedestal
- Teak grating at steering pedestal position and at entry to companionway
- Pedestal cover and wheel cover combined in one.
- Manual bilge pump
- Bimini and spray-hood (with grab handle)
- Raymarine ST60 Tri data system, ST60 Wind system (vane), ST60 Close hauled indicator above companionway
- Hot tub with hot/cold/salt water faucets
- Boom light for cockpit table lighting
- Light on pedestal to illuminate table at low level.

Spars & Rigging

- B&R Double spreader rig with twin furlers and self tacking jib
- Selden anodised aluminium and boom (white powder coated)
- Sailtec Hydraulic Boom Vang with control panel in cockpit.
- Electric in-mast furling for mainsail
- Selden Furlex roller furling for headsails
- Lewmar mainsheet traveler track
- Lewmar traveller for self tacking Jib
- Lewmar turning blocks
- Twizzle rig accessories, and 2 whisker poles
- Backstay marked to show correct position for tensioning.

Sails

- Sails by Hood

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- Fully vertical battened in-mast furled mainsail with UV protection at clew in Vectran. 73.90 sqm.
- 140%: 89.00sqm genoa.
- 90% blade Jib sheeted on self tacking track with UV protection on leach in Vectran. 50.00sqm
- MPS spinnaker.
- MPS squeezer.
- 27.70sqm stay.
- Goosewinged sailing (genoa and stay).

Anchoring and Mooring Equipment

- Stemhead fitted with two rollers
- Delta 40 kg anchor stows on starboard stemhead fitting roller
- 100m of calibrated 10mm chain
- Chain snubber with stainless steel hook and 2m of spliced line
- Lewmar V4 electric anchor windlass with rope drum, two button foot control on deck
- Stainless Steel Bollard
- Salt water hose and pistol for anchor wash down
- Fortress FX55 kedge anchor with cover, 4m chain, 50m octoplait nylon warp.
- Kedge anchor roller fitted to transom
- Kedge anchor support on stern rail.
- Remote control for windlass fitted at pedestal.

Safety Equipment

- Liferaft cover in stone with quick release velcro.
- Pushpit mounted liferaft cradle fitted portside.
- 1 x Jonbuoy inflatable danbuoy C/W light.
- 1 x Jonbuoy Recovery Module.
- 1 x ACR Globalfix 406 EPIRB (Cat2) C/W bracket.
- 2 x Horseshow in yellow, complete with Aquaspec AQ180 light and pushpit bracket.
- Pushpit brackets for horseshoe buoys on outside of rail.
- 2 x Kim Lifebuoy drogue and pocket.
- 2 x 18m Orange floating line.
- 4 x Ikaros red parachute rocket – MCA.
- 4 x Ikaros red handheld flare – MCA.
- 2 x Ikaros buoyant smoke – MCA.
- 4 x Ikaros white hand flare.
- 1 x Poly bottle for flares.
- 8 x Commodore red auto and harness lifejackets.
- 8 x Safety lines; 2 hook locking.
- 1 x Kestral junior auto lifejacket 30-40kg.
- 4 x Replacement cylinders for Commodore lifejackets (HR38g auto re-arming packet).
- 9 x Aquaspec AQ98 lifejacket light.
- 1 x 2.7m wedding ladder.
- 1 x Anchor ball.
- 1 x Fog horn and canister set.
- 1 x Code of practice first aid kit.
- 1 x Fire blanket slim pack 1.1m x 1.1m.
- 2 x 3 gallon buckets.
- 2 x Icom M31 waterproof hand held VHF.
- 1 x Emergency VHF antenna.
- 1 x Aquasignal watertight portable searchlight 24v 50w.
- High powered search light (rechargeable).
- 1 x Softwood plug set.
- 1 x 6 man ISAF canister liferaft (class 12 ISAF).

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- 1 x Solas B grab bag.

Other Accessories

- Gas supply led to aft deck with bayonet fitting for gas barbeque.
- Avon 3.0 RIB with cover, 20 8hp Yamaha outboard, (oars, fuel tank with straps, pump, anchor with chain and line, davit locator
- Boat manual and drawings including plumbing, electrical, mechanical, etc. plus full complement of equipment manuals
- An assortment of spares including pumps, filters and mechanical spares

Comments

The Discovery 55' has been extensively reviewed. Bluewater Sailing calls her 'an innovative and eminently comfortable voyaging home' whilst Boat International said 'the Discovery 55' is a beautiful boat, soundly constructed out of the best materials and designed to look after her crew, whatever nature throws up. But none of this is at the expense of performance which is in the top league of today's modern cruiser-racers'

Call us today for an appointment to view, and if you would like to have copies of the boat tests above, please just ask.



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