



CHANCE DISCOVERY

LOA:	55'9" / 17.0m
LWL:	44'9" / 13.64m
Year:	2004
Beam:	15'8" / 4.78m
Draft:	7'3" / 2.23m
Displacement:	49,500lbs / 22,500kg
Ballast:	20,900lbs / 9,500kg
Hull Material:	GRP
Engine:	Perkins Sabre M115T 110hp
Designer:	Ron Holland
Builder:	Discovery Yachts
Flag:	British
Location:	Montenegro, Italy
Price:	£645,000

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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 gold caveta line, and red and white boot topping
- Coppercoat long lasting antifouling
- 6 GEBO opening Portholes with screens
- Transom bathing ladder



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: Perkins Sabre M115T 110hp
- 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)

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- 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: Onan MDKAB - 11 kW (230V)
- 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
- Air Conditioning - Full tropical: Crusair - reverse cycle (1 x 10k BTU fwd, 1 x 12k BTU aft, 2 x 12k BTU in main saloon)
- Water-maker: Seafresh H206A, 95 liters/hour, 230V, 50Hz
- Washer/Dryer: Zannussi Aquacycle - Extra Capacity

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
- 2 x 12V sockets at Nav. station
- Halogen lighting throughout
- Night lights throughout
- Navigation lights: 3 stainless navigation lights, steaming light, anchor light & masthead tri-color light
- Stern boarding light
- Deck lights 2x
- Anchor chain counter

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

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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

Plumbing

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

Navigation Equipment

- Raymarine ST60 Tridata sailing instrumentation with depth, speed, wind and close hauled functions
- Raymarine ST7001 Autopilot with gyro and ST600R hand held remote
- Raytheon RL80 CRC 10' colour Radar at Nav station interfaced to an RL70 colour repeater at helm.
- 2KW scanner for Radar and MARPA
- Garmin 128 GPS receiver at Nav Station
- Furuno NX 300 Navtex receiver at Nav station
- Icom IC-M601 DSC dual station VHF at helm and at Nav station
- Icom PCR 1000 Radio receiver at Nav station
- EC1 Mk II Fixed mount Iridium phone with BDU at Nav Station
- Cannon 180 Compact ink jet printer with Blue Tooth interface
- Multipurpose antenna for SSB reception
- MaxSea VII chart plotting software with USB dongle
- Weatherfax software
- USB to serial port adaptor for connection to laptop
- USB and audio socket
- Additional 220v socket inside Nav Station for laptop charging

Accommodation

Hand-crafted cherry joinery

- Upholstery in Alcantara - Minty
- All curtains in Nobilis cotton
- Teak and holly laminate flooring for galley and main saloon plus carpets to all other areas

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- Saloon table fitted protective cover
- Chart drawer
- Large wet locker - self draining, ventilated
- Bar locker for bottles and glassware
- Reading lights on all berths (except pilot berth)
- Abundant 220V electrical sockets

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

Guest Stateroom:

- Double berth with split mattress
- 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

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:

- 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

Heads:

- Pressurised hot and cold water
- Electric shower and sink sump pump
- GRP molded units for easy cleaning
- Blue Heaven Velstone surfaces to forward and aft heads

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- Separate showers keep heads areas dry
- Sananautico electric toilet in owner's cabin with manual toilet in guest heads forward

Navigation Area:

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

Entertainment

- 15" Flat Screen TV in saloon on manual lift mechanism.
- DVD player for main saloon mounted adjacent to CD player

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
- Front opening Frigoboat freezer (or 2nd fridge)
- (175 litres/6.1 cu.ft) fitted with baskets
- Force 10 - 3 burner gas cooker with grill
- Twin galley sink
- Large Velstone "dump sink"
- 2 x swivel spray head taps (salt & fresh water)
- Manual fresh water tap
- Work surfaces: Velstone in Cornflower
- Chute design waste bin
- Drinking water purifier and faucet in galley

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

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Winches:

- Anderson self-tailing winches
- 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:

- Houdini Marine windows (5 fixed)
- 10 Lewmar hatches (8LP and 2MP) with screens for cabins
- 8 Lewmar portlights
- 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
- 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
- 2x 6kg propane fitted gas bottles with tank selector valve, individual pressure gauges, gas solenoid emergency by-pass in self-draining outboard gas locker
- Simpson davits 100kg load
- Antenna post
- Masthead TV antenna with gain control
- Bimini and sprayhood
- Covers for: Bimini, cockpit table, pedestal, winches, deck windows and hatches
- Side boarding ladder with 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
- 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
- Single steering pedestal
- Teak grating at steering pedestal position and at entry to companionway
- Manual bilge pump
- Bimini and spray-hood (with grab handle)

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- 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

Spars & Rigging

- Double spreader rig with twin furlers and self taking jib
- Anodised aluminium mast and boom (white powder coated)
- Sailtec Hydraulic Boom Vang
- 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

Sails

- Sails by Hood
- Fully vertical battened in-mast furlled mainsail with UV protection at clew in Vecktran
- 90% blade Jib sheeted on self tacking track with UV protection on leach in Vecktran

Storm jib for roller reefing forestay



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 rope
- Kedge anchor roller fitted to transom

Safety Equipment

- 2 x yellow Horseshoe buoys
- 2 x Lifebuoys with drogues

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- 18 metre orange floating line
- 8 Commodore Auto and harness lifejackets
- Various flares
- Anchor ball
- Icom M31 waterproof hand held VHF
- Emergency VHF antenna
- KIMS Bosun's chair
- ACR Globalfix 406 EPIRB
- 6 man ISAF canister liferaft
- Solas B grab bag
- Custom made liferaft cradle with quick release and padlock
- Jonbuoy inflatable danbuoy
- KIM MOB lifesling
- Code of Practice first aid kit

Other Accessories

- 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

CHANCE DISCOVERY is still in her original ownership. She has been cruised in the Mediterranean by her husband and wife team and has given enormous pleasure together with reliable, safe and fun sailing.

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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