

HEBE — DISCOVERY



Builder: DISCOVERY

Year Built: 2005

Model: Cruising Sailboat

Price: PRICE ON APPLICATION

Location: United Kingdom

LOA: 55' 9" (16.99m)

Beam: 15' 8" (4.78m)

Min Draft: 7' 3" (2.21m)

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SPECIFICATIONS

Overview

HEBE has been massively updated by the current owners who have replaced and upgraded much of the equipment on board in 2013 for a trip to Australia. She is looking in fine fettle with nearly new gear.

Basic Information

Category: Cruising Sailboat

Sub Category: Center Cockpit

Model Year: 2005

Year Built: 2005

Country: United Kingdom

Dimensions

LOA: 55' 9" (16.99m)

LWL: 44' 9" (13.64m)

Beam: 15' 8" (4.78m)

Min Draft: 7' 3" (2.21m)

Speed, Capacities and Weight

Displacement: 49604.00895 Pounds

Water Capacity: 266.285428416 Gallons

Fuel Capacity: 352.405517368 Gallons

Accommodations

Total Cabins: 3

Total Berths: 7

Total Heads: 2

Hull and Deck Information

Hull Material: GRP

Deck Material: Teak

Hull Finish: Plastic

Hull Designer: Ron Holland

Engine Information

Engines: 1

Manufacturer: Yanmar

Model: 4LH-TE

Engine Type: Inboard

Fuel Type: Diesel

DETAILED INFORMATION

Note

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.
- 6 GEBO opening Portholes with screens.
- Transom bathing ladder.
- Teak deck on side decks, superstructure and in the cockpit.
- Copper coat antifoul (2013).
- Awlgrip paint (2013).

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 Hours: c. 2,158.
- 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.
- Twin RACOR fuel filters.
- 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 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.
- Kohler generator; hours c. 1,860.
- 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.
- 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 UK Standard.
- 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.
- All electrical sockets replaced in 2013.
- LED down-lighting throughout.
- Night lights throughout.
- Ondine bulkhead lights, with blue lamp shades.
- Light switches in heads compartments are switches in silver finish.
- Light switch for lobby operated at aft end of passage.
- LOPOLight LED nav. Lights: Tri-colour, Port sidelight, Stbd sidelight, Stern light (£1,200 in 2013).
- Stern boarding light.
- Deck lights 2x.
- Anchor chain counter.
- Shore power socket fitted to transom.

Batteries

- 12 x 2V sealed gel batteries for house providing 480 amp/hour at 24V (New in 2013).
- 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 Systems

- 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.
- Quooker instant hot water tap in galley (2013).
- Seafresh watermaker 95ltr/hr.

Navigation Equipment

- Raymarine E95 H/T MFD with ROW cartography.
- Raymarine E165 H/T MFD with ROW cartography.
- Raymarine seatalk network switch.
- Raymarine 24" Radome digital.
- 15m Radr cable.
- Raymarine ITC 5 instrument transducer converter.
- Raymarine I70 multifunction colour display.
- Raymarine I60 Wind display (analogue).
- Raymarine AIS650 class B Transceiver.
- Comar AIS VHF splitter.
- ST1 STNG adaptor kit.
- Raymarine seatalk HS Crossover coupler.
- Various Raynet cables.
- 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.
- Sounder through hull plastic transducer.
- Simrad autopilot pack:
 1. AP26 control for pedestal.
 2. Pilot course computer.

3. Rudder reference unit.
 - 2 x Autopilots – switchable.
 - 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:
 1. Iridium data CD.
 2. Iridium 14m antenna cable assembly.
 - Iridium satellite phone (2014).
 - 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.
 - Forward facing echo sounder – Echopilot (2013).
 - Raymarine instruments (2013).
 - Nav. station has a drop down flatscreen monitor installed overhead (adjustable swing down fitting).
 - Simrad autopilot repeated at nav. station.

Accommodation

- Hand-crafted cherry joinery.
- 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).
- New Interior hatch surrounds in teak (2015).
- Watertight door midships.

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.

Guest Stateroom:

- Double berth with split mattress.
- Custom bookshelves fitted about berth.
- Bedflex battens underneath mattress.
- 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:

- Custom layout on the starboard side of the saloon with:
 1. Hanging locker under navigation desk and desk top with chart storage underneath, and shelved locker.

2. Additional portlight to hull positioned centrally.
 - Raised seating providing panoramic vision with excellent ventilation and light.
 - 1 Pilot berth or locker storage.
 - 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.
 - Coast HP14 LED Torch on bracket.

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.

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 with swing down fitting, connected to mast head antenna.
- CD/tuner with Ipod interface facility and wireless remote control.
- 2 x Alpine 15cm speakers.

Saloon:

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

Domestic Equipment

- Frigoboat fridge for easy access with 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)
- GN Espace Ocean Chef cooker (£2,600 in 2012).
- Single bowl galley sink; maximum size possible. Standard silver taps.
- Large Velstone "dump sink".
- Locker for storage in galley with baskets for fruit and vegetables (ventilated).

- Acrylic glass holder fitted low down on aft, outboard galley bulkhead. 6 x Tumblers.
- 2 x swivel spray head taps (salt & fresh water).
- Quooker instant hot water tap (2013).
- Manual fresh water tap.
- Chute design waste bin.
- Drinking water purifier and faucet in galley.
- Eberspacher central heating system.
- Washer/Dryer: Zannussi Aquacycle XX.
- Air Conditioning to all cabins and saloon.
- Fans in all cabins.
- Magma gas BBQ (New 2013).
- Microwave (New 2013).
- Fore and aft washbasins to be enameled.
- Coast HP14 LED Torch on bracket 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, and seating.
- Two transom lockers with fitted bilge pumps (2013).
- Two large lazarette lockers with lights.
- Self-draining gas locker port amidships.
- Self-draining 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 with remote control – hydraulics fully serviced and refurbished (2015).
- Hooks for rope storage in lazarette and sail locker.
- Massive hanging locker forward of nav. station for lifejackets etc.

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/deck equipment:

- Front opening windows in saloon with sun screens.
- 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.
- 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 (new in 2013).
- 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 starbord deck drain.
- Additional 12v deck socket in lazarette to be used for dinghy pump on aft deck.
- Ensign flagstaff.
- Bilge pumps in aft lazarettes. (2013)

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 mug rack (new 2013).
- Cockpit table cover.
- Full set of fitted seating cushions for cockpit.
- 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 self-tacking jib.
- Two Harken Mk 4 unit 3 electric furlers 24v with toggles. (Cost £20,000 in 2013).
- 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.
- Bowsprit.
- Deck blocks for preventer (custom 2013).
- New rigging D1s (2012).
- New Diagonals between spreaders (2015).

Sails

- North Sails 3DL (2013).
- Fully vertical battened in-mast furled mainsail with UV protection at clew – North 3DL (2013). 73.90 sqm.
- 140%: 89.00sqm genoa – North 3DL (2013).
- 90% blade Jib in Dyneema sheeted on self-tacking track with UV protection on leach. 50.00sqm
- 2 x Asymmetric North Norlon (1 x up to 18 knots, 1 x up to 25 knots wind). (£14,500 in 2013)
- Spare set of sails, Main Jib & genoa by Hood, lightly used.

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

- Ocean 8C 8 person ISO9650-1 life raft type I with Ocean upgrade pack (new in 2013 £1,800).
- Pushpit mounted liferaft cradle fitted portside.
- 1 x Jonbuoy inflatable danbuoy C/W light.
- 1 x Jonbuoy Recovery Module.
- Kannad Safelink CAT1 GPS EPIRB
- 2 x Horseshoe 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.
- 6 x lifejackets each with automatic Personal Locator Beacons (Cost £400 each in 2013).
- 6 x Safety lines
- 1 x 2.7m wedding ladder.
- 1 x Anchor ball.
- 1 x Fog horn and canister set.
- 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.
- 1 x Softwood plug set.
- 1 x 6 man ISAF canister liferaft (class 12 ISAF).
- 1 x Solas B grab bag.

Other Accessories

- Gas supply led to aft deck with bayonet fitting for gas barbeque.
- Dinghy and 9.8 Tohatsu 4-stroke outboard (2013).
- Diving compressor, stored in forward sail locker. (Not included, to be removed by owner)
- 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.
- Wall pictures are originals and will be staying with the yacht. Painted by a holocaust survivor and cost €20,000 10 years ago.
- HEBE Royal Academy framed print will stay with the yacht.
- 3 Wempe Clocks, Barometer and Humidity in saloon.
- 1 Wempe Admiral 11 Striking Clock in brass in aft cabin (Cost £850 in 2013).

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.

Exclusions

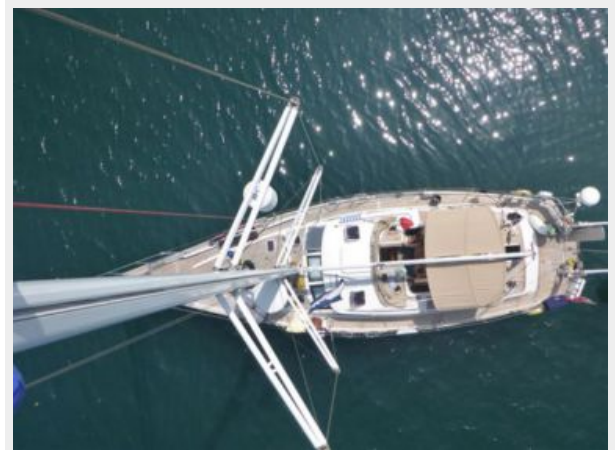
Owner's personal belongings.

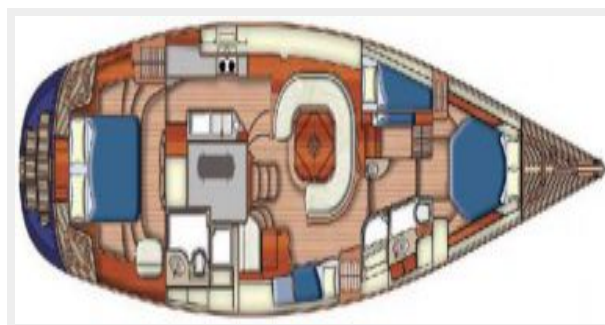
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PHOTOS







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