

## **D 50 Catamaran KIWI SPIRIT (Formerly Discovery Magic) UPGRADES**

**This boat was built for the owner of Discovery Yachts Ltd. It was fitted with the best of everything with the intention of undertaking a circumnavigation. It has since been considerably upgraded by a knowledgeable yachtsman with a previous circumnavigation to his credit.**

### **EXTRAS ON ORIGINAL BUILD - OVER & ABOVE STANDARD SPECIFICATION**

- Engines upgraded from 2 x 555HP Volvos to 2x 75HP Yanmar engines
- Engines fitted with additional 2x 150Amp Hr alternators for rapid charging of house batteries
- 2x long range 485L fuel tanks (970l) providing an extra 970nm range under power
- Bimini top (optional)
- Optional White painted aluminium spars in lieu of standard anodised aluminum
- Genoa in addition to Solent jib.
- Furling Screecher/Code Zero sail on detachable Admiral endless furler
- Winches upgrade from Harken to Andersen Stainless Steel electric self-tailing winches
- Interior joinery upgraded to maple with optional extra cross cut finish
- Optional Carpets fitted to fore cabin and aft cabins
- Optional air-conditioning (2 units in the saloon and one in each cabin)
- Cafromo fans fitted in all cabins and at Chart table
- Concealed Panasonic Flat screen TV with active mast antenna.
- 2 x C120 wide screen plotters instead of the single C90 plotter fitted as standard
- Cockpit VHF second handset option
- Echomax active x-band radar reflector in lieu of standard passive radar reflector
- Iridium 9555 Satellite phone with antenna on transom
- HF Win radio Radio Receiver
- 110v Victron 24vbattery Charger and 110v shore power connection in addition to standard 230v shore power and Chargers
- Victron 24v to 230v Invertor.

### **ADDITIONAL EXTRAS FITTED BY PRESENT OWNER (2013/2014/2015)**

#### **HULL, LIVERY & BOAT SYSTEMS**

- Complete hull gelcoat respray by Goodacres in Portsmouth
- Non-skid areas of deck painted grey
- Bow sections strengthened to increase impact resistance
- Keel doors over-laminated
- Spa bath on foredeck modified with seals fitted to become dual purpose so it can also be used as a watertight sail locker
- New Trampolines with UV protected thread (By Kemp Sails 1015)
- New silver/grey boot topping (removable transfer - formerly turquoise)
- New Kiwi Spirit logos on hulls (removable transfers)
- New Kiwi Spirit transfers on transom and on boom (removable)

- Watertight Access hatches (x4) fitted to floor of sail lockers to provide access to forward watertight compartments
- New (x2) 24v Electric Bilge pumps fitted within watertight compartments to pump out these compartments in the event of an impact breach or leak
- New Access hatches (x2) fitted to floor of each heads compartment to provide access to inspect and to completely dry out main bilges
- New Access hatches (x2) fitted to floor of lockers within fore cabin to provide access to forward compartment of main bilges
- New (x2) Float switches fitted in engine room to replace the unreliable electronic ones
- New Storage shelf fitted in Port fwd sail locker for storage boxes.
- New teak grating for floor base at helmsman's seat. Increases visibility by 50mm
- New Teak grating for base of spa bath.
- New teak grate for base of dive locker.

### **SAILS & SAIL HANDLING**

The boat was built with a single headstay necessitating sail changes between Genoa and Solent Jib. This was modified to a two headstay set up with furling Genoa and inboard a furling self-tacking Solent jib. This is more convenient as it allows the Genoa to be furled and the Solent jib deployed without any physical effort.

- New bowsprit with heavy duty bobstays to take furling Genoa
- New Genoa forestay with Selden furler
- New larger 74 sq m furling Genoa by Kemp Sails in Vectron (additional 11 sqm) – Original 63 sq m Genoa retained as spare.
- New Furling Mainsail by Kemp Sails in Vectron (Original main retained as spare)
- New Silver/Grey Sunbrella sacrificial strips to all sails
- New A3 186sqm Asymmetrical spinnaker with dowsing sock for reaching
- New Parasail 207sqm downwind spinnaker for downwind sailing – USED ONCE ONLY
- New (x2) 12mm x 30m Dynema sheets or guys for Parasail with quick release Super shackles
- New (x2) 4" Harken turning blocks fitted to the bows for Parasail tack lines
- New (x2) 4" Harken turning blocks fitted aft to replace 3" Std Harken blocks
- New x Harken 3" turning blocks fitted to base of mast for Spinnaker/Parasailor tack lines
- New Mast mounted Andersen 46ST winch to provide 2 mast mounted winches for control of Parasail tack lines
- New (x2) Andersen 52ST winches fitted to transom for traveller control and to act as sheet winches for Spinnakers (upgrade from 46ST's)
- New 12mm Dynema tack line for use with A3 Spinnaker or with Screecher
- New 12mm Dynema Spinnaker halyard
- New 14mm Mainsheet

### **CANVASS WORK**

- New Sprayhood in Silver/Grey Sunbrella with opening central panel and new SS framework
- New Fold-back Bimini in Silver/Grey Sunbrella with new SS framework
- New Bimini cover in Silver/Grey Sunbrella for when Bimini is folded back

- New Bimini cockpit enclosure side and back curtains for inclement weather
- New Bimini Mesh side and back curtains for sun protection)
- New (x2) Fender aprons in Silver/Grey Sunbrella (original black fender aprons retained)
- New Cockpit cushions in Silver/Grey Sunbrella piped Turquoise
- New Cockpit table padded sun-protection cover in Silver/Grey Sunbrella
- New Saloon table padded cover in cream PVC
- New helmsmans' seat cover in Silver/Grey Sunbrella
- New Helmsmans' stowage bag in Silver/Grey Sunbrella – attached to base of seat.
- New fitted RIB sun protection cover in Silver/Grey Sunbrella
- New (x2) Life lines on deck (Black – underbelly lifelines are white)

#### **BATTERIES & BATTERY CHARGING**

- New (6) Sunware Solar panels 82cm x 55cm and smart voltage control. These Solar Panels provide 7Amp/hr charge during daylight
- New 6Kw Fisher Pander 230v Generator in insulated sound shield – installed in cockpit forward locker. This provides 230v power and facilitates battery charging
- New (x8) Rolls AMG 450Amp Hr 6V maintenance free “house” batteries providing 900 Amp Hrs capacity at 24v. Assuming 80% efficiency and 50% usable capacity this theoretically provides 320 Amp Hrs of usable capacity (2014)
- New Victron energy BMV 6005 Battery Monitor to monitor state of charge
- New (x2) Victron 220v-12v battery chargers to charge separately Port and Stbd engine start batteries when connected to shore power. One of these chargers has a splitter to charge the 12v start battery for the Fisher Pander Gen set.
- New 24v-12v solid state dropper for operation of 12v instruments
- New 15m extension cable in addition to Std 20m Shore power lead.

#### **MECHANICAL, INSTRUMENTATION & SAFETY**

- New Salcom EPIRB
- New Raymarine ST 60 Graphic Display fitted beside bed in Master cabin to enable monitoring when not on watch
- New Raymarine Fishfinder transducer fitted and linked to C120W plotter to provide a graphic display of seabed - to assist in anchoring
- New Easy NAVTEX installed (2014)
- New earth plate installed beneath Port engine room for future installation of SSB radio
- Icom 802 SSB Radio with Pactor 4 Modem and Whip Antenna (2015)
- Hour clock Fitted to watermaker to facilitate monitoring and servicing
- Speed seal quick service kits fitted to Yanmar raw water pumps.
- New Dragonfly demountable clock installed in cockpit
- New Barigo clock and Barigo barometer installed in Saloon
- New Barigo clock installed in fore cabin

## **GALLEY & DOMESTIC**

Gas on boat is a safety hazard and has been removed. Eliminating gas re moves the problem of recharging gas bottles and the fact that every country has different gas regulations and uses different regulators and gas fittings.

A 230v electric hob can be used when connected to shore power. It can also be used with the inverter when motoring and the ships engines are operating. Whilst at anchor it is powered by the 230v AC Generator. This needs to be run daily for battery charging so cook and battery charging can be done at the same time.

- New 3-plate ceramic hob with pot holders to replace gas hob (2014)
- New Wallas SS diesel oven to replace Smev gas oven (2014)
- Dishwasher removed and replaced by a new large pull-out storage drawer
- New Shelf fitted beneath sink.
- New (x10) pillows
- New fitted sheets
- New (x3) feather down blankets
- New Melamine crockery
- New Cookware
- New PVC glassware
- Fitted storage drawer for glassware
- New wall mounted storage rack in galley

## **MOORING & ANCHORING**

- NEW lightweight Carbon fibre passarelle boarding ladder with SS transom socket
- New 90m Calibrated 10mm anchor chain with New SS swivel to replace Std 50m chain (2015)
- New (x2) 3-ply xxx winter mooring lines with SS springs
- New (x2) 3-ply 18mm x 15m mooring lines (Dark blue)
- New (x2) 3-ply 18mm x 20m mooring lines ( Black)
- New (x6) Defender hypalon inflatable fenders (Grey)
- New multiplat anchoring bridle (black)

## **DINGY & OUTBOARD**

- New Southern Pacific Shearwater 310 RIB with aluminium base and removable tubes
- New Yamaha 4-stroke 9.9HP outboard (2014 – used 10hrs only)
- Davit lifting points fitted to RIB and new lifting lines.
- New (x2) securing straps for RIB when in davits

## **SPARES INVENTORY**