

VESSEL.

Vessel Type: Power Catamaran

Vessel's Name: DIVERSITY (Ex: Browse Enterprise)

Unique Vessel Identifier (UVI): 450735 Certificate Number: COS-73-007 Expiry: 08/10/2024

Registration Authority: AMSA/DCV/NSCV (National)

Conditions: Refer certificate of survey

Call Sign: VNW6241

M&H No: 6514

AMSA official No: 856207

Survey Status: USL Classes – 1B/1C

Licensed Max Persons (Inc crew): 25 (1C) – 16 (1B)

Class: (Berthed/Unberthed) 1B = 12/0 1C = 14/8

Crew: 1B=4, 1C=3

Length: 18 M (Maximum)

Beam / Breadth: 6.70 M (Measured)

Depth: 4.88 M (Molded, Midships)

Draft: 1.80 M

Designer: Mark Ellis Marine Design

Builder's Name: Beach Craft Boats

Place: Western Australia

Year Constructed: 1998

Next Periodical Survey Due: 5 Year – 08/10/2024

Out of Water: 08/10/2022 Shaft: 08/10/2024

1. Vessel Construction

Type/Style: All welded marine grade aluminum

Hull Material: Aluminum

Hull Configuration: Twin keel, hard chine with 4x watertight bulkheads, with forward collision bulkhead

Decks: 2 x Welded aluminum

2. **Machinery**

Main Engines: 2x Caterpillar C-12 ACERT – 12 litre, 6 cylinder in-line marine diesels each rated at 705 BHP (526BKW) at 2300 RPM – New engines installed 2013

Location: Port and Starboard

Serial Numbers: Port:- NFL01728 Starboard: NFL01357

Gear Boxes: 2x ZF

Model No: ZF325-1A with 2.240: 1 reduction ratio

Serial Numbers: Port: 20103749 Starboard:- 20362813

With ZF cruise command electronic control

Auxiliary Machinery:

1. Isuzu 4GJ1TPV, 4 cylinder turbo charged industrial diesel

2. Kubota V2203-EBG2, 4 cylinder industrial diesel both auxiliary engines driving 3 phase alternators

Location: Port and starboard engine rooms

Serial Number: Port:- Unable to read Starboard:- 2266

Hours: (Indicated)Starboard: Near New Port:- 6680 Hours

Refrigeration:

Hisense model HR6AF243-243 Litre single door Lemair model LTM268W-269 litre two door fridge / freezer

Multiple reverse cycle air-conditioners throughout passenger saloons and accommodation spaces

Hydraulic Systems:

2x Electro hydraulic power packs – one each for deck machinery and steering systems

Shafts: 2 x stainless steel – 82.55mm (3 ¼”) diameter (Ø)

Propellers: 2 x bronze alloy

Size: 900mm x mm Ø/” Pitch angle

Bow Thrusters – No

Stern Thrusters – No

Sewage Treatment:

Holding tank with discharge pump system

Exhaust System: Wet, trunked via side of hull

Instruments/Alarms: Installed in wheelhouse including fire & bilge

Bilge Alarms: Installer in engine room and wheelhouse / with float switches installed

3. Electronic & Navigational Equipment

Chart Plotter / Multi Combo Unit:

1. 2x Raymarine, Axiom 12” Hybrid touch screen systems, Model: E70372 Axiom pro 12RVX

2. 1x PC based system operating TMQ C-PLOT with electronic charts displayed on Philips LCD monitor

GPS: Furuno, Model: GP-32 GPS/WAAS

RADAR: Furuno, with open array scanner unit

Sounder: Via Raymarine Axiom units with Airmar SS175M 85-135KHZ chirp transducer (through hull)

Autopilot: TMQ, Model: AP-55

Compass: Ritchie, dampened

AIS (Automatic Identification System): AIMEC, Camino class-b transponder

EMS (Engine Monitoring Systems): 2x Caterpillar – LCD displays with multi parameter monitoring

4. Radios & Communications:-

VHF: 1. GME, G-com marine transceiver

2. ICOM, IC-M423G with GPS and DSC

Handhelds: 2x ICOM, Model: IC-M35 with charge stations

MF/HF/SSB: Barrett Model: 2050 (removed at time of inspection)

AM/FM/BT: Fusion, Model: MS-IP600 with Fusion MS-70RN unit in saloon

Satellite: (Communications / Sat Phone / DVB TV Etc)

Iridium, Go Model: AHKT1301

Serial Number: APM19852

Powertec / Telstra Cel-Fi unit

Searchlights / Deck Lamps:

Installed with control at the helm

Loud Hailer / PA:

Furuno, 4 channel loud hailer

Intercom: Installed

Other Installed Equipment:

Ships clock, barometer and thermometer / hygrometer.

Raymarine anemometer with LCD display at the helm

5. Electrical Installations – 12 / 24 V DC 240 / 415V AC & Shore power connector

Alternators: 2x 24 v DC Off main engines

1) 45 KVA generator

Make/Model: 2018 Isuzu / Zenith Engineering Model: MG45C03 3 Phase, 50Hz Serial No: 2266

Located Starboard Main engine room

2) 25 KVA Generator

Make/Model: 2017 Zanardi with Kubota 4 cylinder diesel 400 volt – 3 phase, 50Hz Serial No: 112298

Located:- Port main engine room

Batteries:

Starting:

Main Engines – 2 x Banks of 2 12v DC Cells

Auxiliary Engines – 2 x Banks of 1 12 v DC Cell

House- - 1 x Bank of 4 12 v DC Cells with house / emergency switch at the helm

Emergency Radio:- 1 x Bank of 1 12 v DC Cells

Other Equipment:

Battery Chargers: Yes – Automatic: Yes

6. Pump Arrangements:

All electric pump arrangements via manifolds including bilge, fire, general service, fresh water, raw water, deck wash and discharge

Note: Most pumps are Davey and Grundfos and are near new

Bilge: 2x Engine driven and 2x 24v electric

Emergency:-

Manual, Whale gusher 30

7. Tanks:-

Fuel – Diesel:

Total capacity 6000 Litres in 4 tanks

2x 1500 litre – Located; Portside hull

2x 1500 litre – Located; Starboard hull

ULP: 1x 800 litre – Located; Aft deck to starboard, with manual pump

Fresh Water –

Total capacity 1000 litres in single tank

Sullage:-

Total capacity approx. litres in single tank

Located; Midships in starboard hull

Desalination / water maker: Dolphin 120L/hr. reverse osmosis

9. Accommodation:- Fully reverse cycle air-conditioned

16 Berth in 6 Cabins including.

Skippers and mates cabins on upper deck combination of 2, 3 & 4 berth (bunks) cabins for passengers – all with upper / lower bunks, 1 marine carpeting and air-conditioning.

2x Bathrooms

Electric hot water system

Laundry with Fisher & Paykel front load washing machine and Haier 6kg dryer, cleaning utensils including K'Archer pressure washer

Wheelhouse: Raised / Forward / Centre console with 2 helm chairs, electronic navigational and communications instruments and devices. Chart table, Ships office. Access to skippers and mates accommodation.

Saloon: lower

Blue vinyl upholstered bench seating with island tables, desk unit port side aft with medical kit and supplies.

Maintenance Area: Consumables, filters and parts stored in aluminum rack with bins in port hull. Good compliment of parts and spares

Galley:

U-Shaped with ample bench space, Chef ceramic 4 element cooktop, Chef under bench over, Westinghouse extraction fan unit, Sharp microwave oven, Birko stainless steel urn and small appliances. Lemair fridge / freezer, Haier refrigerator.

Decks:

Front: Personnel access stairs with safety rails and tyre fenders at the bow

Upper Aft Deck: Engine control console to port with carpeted deck aft.

Lower Aft Deck: Moonpool midships, reinforced mount plates for A-Frame and winch, Palfinger crane to port aft

2x Toilets/Bathrooms to starboard forward and outdoor sink

10. Mooring Equipment / Ground Tackle:

1x 65kg CQR anchor with 16mm short link chain

Windlass: Hydraulic

11. Fire Fighting Equipment:

FM200 / CO² / Inert Gas / Water mist engine room smothering systems.

Itim systems FA4-V6 fire monitoring panel

Extinguishers to class requirements including foam, CO², dry chemical/powder

Fire Buckets / Fire Blankets

12. Safety Equipment:

EPIRB:- Make/Model: GME/MT603FG Float free

121.5MHz/406MHz Serial Number: 2103574886

Battery Expiry: March / 2028

Life Rafts;- 1x 25 Person – West offshore products

Life Rings/Buoys: 2x aboard and fitted with lights or lanyards

Life Jackets (PFDs):- SOLAS/Offshore adult aboard and fitted with lights and whistles class compliant, not counted, assumed sufficient quantities to meet class requirements.

Pyrotechnics:

Class compliant including parachute, orange hand and red smoke flares in canister.

Note: Dates not checked

Code Flags: "N" & "C"

Day Shapes: Yes

V-Sheet: Yes

First Aid Equipment – 1x kit scale D, & F to class requirements

AED – Automatic External Defibrillator – Not sighted

13. Deck Machinery:

1. Knuckle boom Crane: 2017 Palfinger, PC-3800B

Serial Number: 100411492

Capacity: 2000kg @ 1.5m / 720kg @ 5m

Moon pool approx. 1000x500mm

A-Frame & Winch (Not installed currently)