



AMPLITUDE



KEY FEATURES

Crew Transfer Lounge Bow Thruster
Comfortable Accommodation
4 Point Lifting
Overhead Observation Windows at Helm
Twin Skeg

VESSEL APPLICATIONS

Crew Transfers
Chase Vessel
ROV & Dive Support
Navigation Aid Maintenance
Search & Rescue
Security Patrol
Survey Support

MAIN PARTICULARS:

Builder:	SBF Ship Builder Fremantle
Design:	Semi planning reverse chine mono hull
Construction:	Aluminium
L.O.A:	22.31
Waterline length:	19.90m
Beam:	6.00m
Draft:	1.80m
Displacement:	Refer to stability booklet
Transport:	Under own power

PRINCIPAL PARTICULARS:

Flag:	Australian, AMSA
Year of Build:	2010
Place of build:	Fremantle W.A.
Class notation:	N.S.C.V Code, 1B and 2B
1B survey:	200nm-safe anchorage
2B survey	200nm from safe anchorage
1B survey	35 Pax + 4 Crew unberthed
UVI:	441385
Call sign:	VHJU

PROPULSION AND MACHINERY:

No. of mains:	2
Engines HP:	2 x 900HP
Fuel Type:	Diesel
Make:	2 x Yanmar
Propulsion:	2 x fixed pitch propeller
Engine monitoring:	Digital
Thruster-bow:	1 x 50HP
Thruster-stern:	N/A
Steering:	Hydraulic

AUXILIARY ENGINE :

Diesel generator:	2 x 35KVA-Sync option
Single phase:	Yes
Three phases:	Yes
Voltage:	415-240
Emergency system:	24DC Volt

PERFORMANCE :

Economical speed:	10 knots
Cruise speed:	18 knots
Max speed:	21 knots
Fuel economical:	40 litres p/hr
Fuel cruising:	250 litres p/hr
Fuel max:	300 litres p/hr
Range economy:	2750 NM- 30% reserve
Range Cruising:	750NM-30% reserve
Range max:	750NM-30% reserve

BILGE SYSTEMS :

Bilge monitoring:	Digital
Automatic pumps:	Yes
Electric pumps:	Yes
Mechanical pumps:	Yes
Portable salvage pumps	Yes

COMMUNICATIONS :

Computer:	Yes, email facility
Mobile Phone:	Yes
Inmarsat:	Yes, email facility
Intercom:	Yes, to all cabins & common areas
Satellite phone:	Yes
Loud Hailer:	Fore and aft
MF/HF Radio:	Yes
UHF Radio:	Yes Portable
VHF Radio:	Yes x3 and 2x portable

FENDERING :

Air craft tyres-bow:	Yes
Air craft tyres-stern:	Yes
Fixed D-Rubber:	Top side and stern ¼ Stern Push Up

NAVIGATION :

A.I.S:	Yes, class (B) RX & TX
Auto Pilot:	Yes
Clear View:	Yes, wipers
DGPS	Yes
Echo Sounder	Yes, dual frequency
GPS:	Yes x 2
Helm Stations:	fore and aft in wheelhouse
Nav Lights:	standard inc. towing, red -white-red combination
Plotter:	Yes x2
Radar:	Yes
Radar – APRA:	Yes

LIGHTING :

Floods:	2 x fwd - 2x aft - port & starboard sides
Search:	2 x fwd 360 degrees
Environmental:	2 x fwd - 2 x aft and internal

PUBLICATIONS:

To meet class survey & industry requirements:	Yes
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SAFETY GEAR & FIRE EQUIP :

To meet class survey & industry requirements:	Yes
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TANKS :

Fuel Oil:	1 x 3000 - 2 x 6000 litres (15000 total)
Fuel Transfer:	Yes
Sludge:	1 x 70 litres via OW separator
Fresh Water:	1 x 2500 litres
Desal:	2500 litres produced per 24 hours
Grey Water	1 x 2500 litres
Black Water	1 x 2500 litres
FW monitoring:	Digital
GW monitoring:	Digital
BW monitoring:	Digital

ACCOMMODATION :

Twin Berths:	3
Quad Berths:	1
Total Bunks	10

COMMON USER FACILITIES:

Galley:	Yes
Laundry:	1 x washer & dryer
Mess Room	Yes
Showers	2
Toilets	2

CREW TRANSFER POINTS:

Push Up Bow:	2050mm
Open Transom	1350mm
Environmental:	2 x fwd - 2 x aft and internal
Rescue Door Port Side:	1250mm
Rescue Door Port Side	1250mm 1250mm

DECK AREA:

Deck Area:	33.17M2 accessible (100%)
Deck Dimensions:	6.20 x 5.35 metres clear internal-aft-deck
Deck Area:	19.26M2 accessible (50%)
Deck Dimensions:	3.60 x 5.35 metres clear-internal-aft deck underneath roof with seats removed

DECK & CARGO CAP ABILITIES:

Deck Cargo:	1 x 20ft or 2 x 10ft chillers or pallet cages
Deck Strength	1.5T M2 (15T max) refer to stability booklet

CARGO FASTENINGS / CERTIFIED SWL POINTS:

10ft-sea container footprints:	1 x 3000 - 2 x 6000 litres (15000 total)
20ft-sea container footprints:	1

Miscellaneous:	12
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DECK EQUIPMENT:

Tugger winch:	1 x 2500kg
Wire diameter:	10mm Dyneema
Length wire:	100 metres x 1st layer
Towing pins:	Yes-removable

DECK CRANE:

Heila:	HLM 13/35
Boom:	4.9m @ 2600kg
Boom:	6.98m @ 1700kg
Boom:	8.98m @ 1300kg
Boom:	10.5m @ 1000kg
Hook SWL:	13T

MOON POOL :

Multi beam flange StBD Forward

DIVING ACCESSORIES :

Dive Ladder: Yes

Decompression chamber: No, able to accommodate a 20ft sea container

TENDER / FRC :

Licensed to carry: 6

Construction: HDPE

L.O.A: 5m

Beam: 2.4m

No. of engines: 1

Engines HP: 90

Fuel oil: Petrol



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