



AMPLITUDE



KEY FEATURES

- Air conditioned crew transfer lounge
- Bow thruster
- Comfortable accommodation
- Overhead observation windows at helm
- Twin skeg

VESSEL APPLICATIONS

- Crew transfers
- Chase vessel
- Construction maintenance
- 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:	Aluminum
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, Dept of Transport W.A.
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
2B survey	6 Pax + 4 Crew berthed
M & H No:	6607
S.P.V. No:	1022
Call sign:	VHJU

PROPULSION & MACHINERY

No. of mains:	2
Engines HP:	2 x 1100HP
Fuel Type:	Diesel
Make:	2 x MAN
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:	22 knots
Fuel economical:	40 litres p/hr
Fuel cruising:	300 litres p/hr
Fuel max:	360 litres p/hr
Range economy:	2620 NM- 30% reserve
Range Cruising:	665NM-30% reserve
Range max:	667NM-30% reserve

BILGE SYSTEMS :

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

COMMUNICATIONS :

CCTV:	No
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 x 3 and 2 x portable

FENDERING :

Air craft tyres-bow:	Yes
Air craft tyres-stern:	Yes
Fixed D-Rubber:	Top side and stern 1/4

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
Nav light monitoring:	Digital
Plotter:	Yes x 2
Radar:	Yes
Radar - APRA:	Yes
Radar - MARPA:	

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
Open transom: step:	
Alongside:	
Alongside staircase:	
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 CAPABILITIES:

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:	2
20ft-sea container footprints:	1
Miscellaneous:	12

DECK EQUIPMENT:

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

DECK CRANE:

Boom:	2.0m radius @ 8000kg
Boom:	4.5m radius @ 4000kg
Boom:	6.0m radius @ 2860kg
Boom:	8.0m radius @ 2170kg
Hook SWL:	8.0T

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

