

BHAGWAN DRYDEN

57m ROV & Air Dive Support Vessel



KEY FEATURES

- Fuel Efficient (Approx 65% fuel saving over traditional DSV) - Detailed fuel figures available on request
- Shallow Draft
- Emergency Hybrid Capability
- Twin Hull Providing Stable Platform
- 4 Point Mooring System
- Caters for up to 40 Personnel
- Dedicated ROV Control Room
- Dedicated Dive Control Room
- Integrated Dive Systems
- Integrated Survey and Positioning System
- 2 Built-in Decompression Chambers
- Fire Fighting Capabilities (FIFI 1)
- Deck Crane 6-16 Tonnes
- 45 Tonne A-Frame (Removable)

GENERAL INFORMATION

| BUILT: | |
|-----------------|--|
| OWNER: | |
| CLASSIFICATION: | |
| | |

Singapore 2014 Bhagwan Marine ABS - ♣A1, DSV AIR, FFV 1, Offshore Support Vessel, SPS, ⓒ, ♣AMS, ♣ACCU, ♣DPS-2, ENVIRO, GP, RRDA, UWILD, CRC, RW Certified to IMDG Code ABS Class Air DSV (Catamaran) Diesel Electric 9680968 VHCO

IMO NUMBER: CALL SIGN:

CLASS TYPE:

DIMENSIONS

LENGTH OVERALL: BEAM: DRAFT: GROSS TONNAGE: DEADWEIGHT: 57M 16.00M 3.25M (Max) 1475GT 250 MT

PERFORMANCE

FULL OPERATING SPEED:11 Knots (Approx.)CRUISE:9 Knots

CAPACITIES

CARGO: FUEL OIL: POTABLE WATER: DECK RATING: 150 Tonnes (Approx.)
130 M³ (Approx.)
70m³ plus water making facilities
10.0 Tonne M²

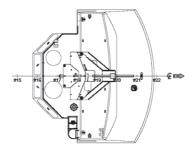
CARGO DECK

CLEAR DECK AREA: DECK LOAD: 260 M² (Approx.) 10.0 T/M²

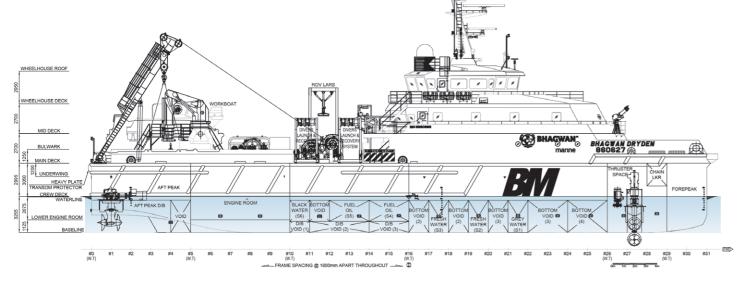
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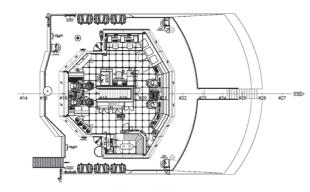




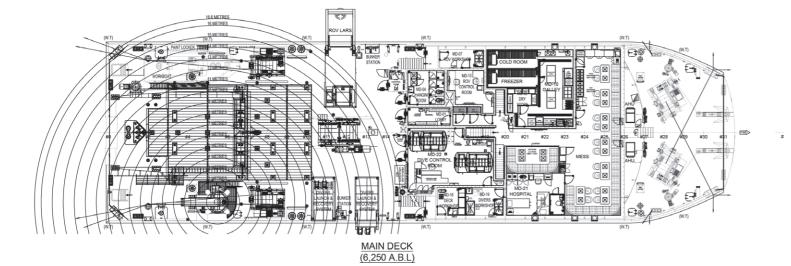
WHEELHOUSE TOP

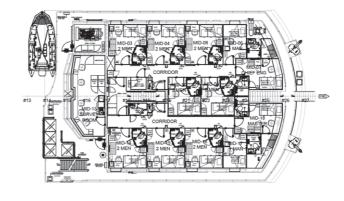


PROFILE

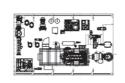


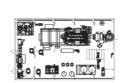
WHEELHOUSE DECK (11,650 A.B.L)





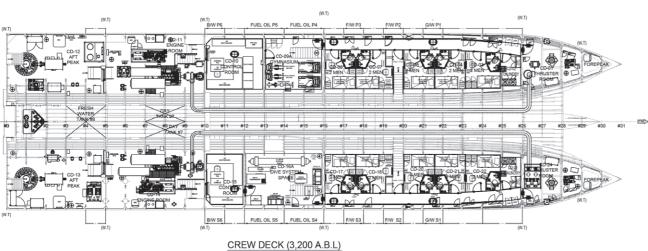
MID DECK (8,950 A.B.L)





#9 #10

LOWER ENGINE ROOM (1,125 A.B.L)



(20x2 MEN = 20 MEN)

TECHNICAL SPECIFICATIONS

HULL

Twin Keel Catamaran Steel Hull 16.0M Open Transom Inside Safety Rails Rescue Zones Port & Starboard

MAIN MACHINERY

- 2 x Schottel STP 550 Stern Azimuth Thrusters
- 2 x Bow Thrusters, TM300RT Thrustmasters (Tunnel/Azimuth)
- 2 x 950 kW Cummins QSK38-DM
- 2 x 400 kW Cummins QSK19-DM
- 2 x 65kwhr, 48VDC Battery Systems connected to Main DC Bus System giving vessel unique ability to operate on battery power for 20 minutes at 4 knots
- 1 x Aspin Kemp & Associate Power Management System

DECK EQUIPMENT

| DECK CRANE: | HS Marine Crane Model AKC 245HE4 16 Tonne SWL @ 7.5m 6 Tonne SWL @ 16m |
|--------------------------------|---|
| WORK WINCH : (ELECTRICAL) | Double Drum Waterfall Upper Drum 20 Tonne (100M x 30MM) 10 Tonne High Speed Lower Drum 20 Tonne (1200M x 32MM Wire) |
| POINT MOORING: (ELECTRICAL) | EMS 4 Point Mooring System Electric Zone 2 Explosion Proof Drum Pull First Layer 37M/T Top Layer 5.3M/T / 0-73M/Min Drum Brake Holding 100M/T (First Layer) |
| ANCHORS: | 4 x 2,000kgs Delta Flipper |
| 'A' FRAME: | 45 Tonne (Harbour) with Integral 8 Tonne Winch (Electric) 100M x 20M Wire 22.5 Tonne Man Riding Able to Recover Hyperbaric Life Boat (HLB / SPHL) |
| AVAILABLE POWER: | 2 x 250A maximum 3-phase / Neutral hard wired connections |

AFT DECK:

STERN ROLLER: 50 Tonne SHARK JAWS AND ANCHOR HANDLING PINS: 100 Tonne

MISCELLANEOUS EQUIPMENT

MARPOL COMPLIANT:Hamann Sewage Treatment PlantSULLAGE TANK:Capacity 30m³OILY WATER SEPARATOR:BossGAS DETECTION MONITORING SYSTEM:Detcon

WHEELHOUSE

GYROCOMPASS: AIS: VDR: RADAR: ECHO SOUNDER: AUTOPILOT: GMDSS: SART & EPIRB: NAVTEX RECEIVER: GPS: INMARSAT C EQUIP: V-SAT: CCTV SYSTEM: 3 x Raytheon STD22 Furuno FA-150 Furuno VR-3000 Furuno, FAR-2837S and FAR-2827D McMurdo S4 & E5 Raytheon Pilotstar-D Furuno GP-150 McMurdo S4 & E5 Furuno NX-700A Furuno GP-150 SAILOR 6110 SAT-C KNS SuperTrack Z10 18 PTZ Cameras (IMCOS)

10 x 32A 3-phase (no Neutral) 415v sockets 6 x 15A 240v single phase sockets



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REMOTELY OPERATED VEHICLE

PROVISION FOR: Port side area dedicated to accept medium work class ROV's Large ROV's accepted with stand alone power and main winch removal.

DIVING SYSTEMS

| DEPTH RATING: | 50m |
|-----------------|---|
| DIVE LARS: | 2 x Pommec Launch & Recovery Systems |
| CHAMBERS: | 2 x Hytech 72" Twin Lock Deck Decrompression Chambers |
| CLASSIFICATION: | Air / Nitrox Diving System Built to ABS Classification Rules Enabling A1 Class Notation |

DYNAMIC POSITIONING SYSTEMS

| DP: | Kongsberg K-POS DPS2, (IMO DP Class 2) – Sensors |
|-------------------|---|
| POSITIONING: | Veripos LD5-GG2 DGNSS System Kongsberg RADius Relative Positioning System |
| USBL: | Sonardyne Ranger 2 Pro USBL (retractable) |
| MRU: | Kongsberg, 3 x units |
| GILL WIND SENSOR: | 3 x units |
| GYROCOMPASS: | 3 x Raytheon STD 22 |

SURVEY & INSPECTION SYSTEMS

| VIDEO: | Video and Data Sharing Network Between Survey, Diving & ROV | | |
|-----------------|---|--|--|
| MBES: | R2Sonic/Reson Hull Mounted Flange | | |
| OFFICE: | Dedicated Fully Equipped Office c/w 4x Workstations | | |
| ACCOMMODATION | | | |
| MID DECK: | Master's Cabin with Ensuite Engineer's Cabin with Ensuite 8 x 2 Berth Cabins with Ensuite 2 x 1 Berth Cabins with Ensuite Large Client Office / Survey Room | | |
| MAIN DECK: | Large Galley Dining Area for 30 Hospital 2 x Showers, 2 x Toilets & Change Room Laundry Workshops / Gear Store Dive / ROV Control Office | | |
| PORT HULL: | 5 x 2 Berth Cabins with Ensuite All Cabins Include TV / DVD Laundry Fully Equipped Gymnasium | | |
| STARBOARD HULL: | 5 x 2 Berth Cabins with Ensuite Laundry | | |
| ALL: | All Cabins Include Sat TV / DVD & Internet | | |



154 Connell Road Fishermans Wharf Geraldton WA 6530 T: +61 8 9965 9700

- E: commercial@bhagwanmarine.com
- W: bhagwanmarine.com



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