



## VESSEL CAPABILITIES

### DIVING OPERATIONS



### SUBSEA CONSTRUCTION



### FLEXIBLE AND CABLE LAY



# POSH MALLARD

## Vessel Info

POSH Mallard is a dynamically positioned diving support vessel (DSV) equipped with a remotely operated vehicle (ROV), featuring a 120-tonne active heave compensated crane, a 12-man saturation diving system, and accommodation for up to 108 personnel, primarily used for subsea operations and maintenance in offshore fields.

- Length 89m X Beam 21m
- Mezzanine Deck Area 120m<sup>2</sup>
- Deck Area 550m<sup>2</sup>
- Accommodation for 108 Persons
- Knuckle Boom AHC Subsea Crane
- ROV: Seaeye Panther XT Plus
- Fi-Fi Class 1
- Equipped DP2 for precise manoeuvrability
- Top Speed 12.5 Knots
- Versatility: Designed to support a wide range of offshore operations, including construction, maintenance, diving operations and subsea tasks.

PRINCIPAL PARTICULARS	
YEAR BUILT	2017
FLAG	Singapore
CALL SIGN	9V5158
BUILDERS	PaxOcean Engineering Zhoushan
OFFICIAL NO	400782
CLASSIFICATION (ABS)	✱ A1 © Offshore Support Vessel (Supply, FFV 1), (DSV SAT, AIR, FFV1, Supply) , ✱AMS, ✱ACCU, ENVIRO, MLC-ACCOM, ✱DPS-2, UWILD, SPS, CRC, HELIDK, SKP, GP

DIMENSIONS & TONNAGE	
LENGTH OVERALL (LOA)	89m
LENGTH BP	81.47m
BEAM MOULDED	21m
DEPTH MOULDED	7.5m
DRAFT (DESIGN)	5.9m
DRAFT (MINIMUM)	4.6m
GROSS TONNAGE	5,169T
NET TONNAGE	1,550T
DWT 5.9m DRAFT	3,246.3T

MAIN PROPULSION & MACHINERY	
MAIN PROPULSION	2 x Azimuth Propellers, 1,838kW each
GENERATORS	4 x 1,881kW, 1 x 940kW, 1 x 440kW (Emergency), 1 x 550kW (Dive Emergency)
BOW THRUSTERS	3 x 1,200kW, 16t Transverse tunnel thrusters
AIR COMPRESSORS	1 x Service Air Compressor Capacity 300m³/hr @10bar

ROV EQUIPMENT	
MODEL	Seaeye Panther XT Plus
TYPE	Light Work Class System with TMS
DEPTH RATING	850m

CRANE & DECK EQUIPMENT	
MAIN CRANE	1 x 120T Knuckle Boom AHC Subsea Crane (up to 2000m water depth)
SUBSEA LIFT	45T@18m, Single Fall 2000m 90T@ 10.5m, 2 Fall Subsea Lift
CAPSTANS	2 x 10T@15mpm, 400mm drum diameter
HELIDECK	Suitable for Sikorsky S92A, CAP 437 Compliant
ANCHORS	2 x 3,786Kg (2 x 12 shots) 330m

ACCOMMODATION	
MARINE OFFICERS / CREW	18 (crew & officers)
PASSENGERS	90
BERTH TOTAL	108
PASSENGER CABINS	18 Singles, 19 Doubles, 13 Quadruples
Cabin sizes in compliance to MLC 2006	

LSA/FFA EQUIPMENT	
Fi-Fi (Class I)	FiFi pump capacity is 4,030m³/h, pressure is 12 bars, and power consumption is approx. 1,715kw, 2 Remote operated Monitor , capacity 1200m³/h (water) / 300m³/h(foam), pressure 10 bars
RESCUE BOAT & DAVITS	1 x 9 POB Fast Rescue Boat
LIFEBOATS & DAVITS	2 x 55 POB Lifeboats
LIFE RAFTS	4 x 32 POB Life Rafts with full emergency pack 2 x 30 POB Life Rafts 2 x 15 POB Life Rafts
2 x gravity davits c/w automatic lashing system	

DECK LOADING	
DECK AREA	550m² (Main Deck) 120m² (Mezzanine Deck)
CARGO DECK DESIGN LOAD	7.5T/m²
MOONPOOL	7.0m x 7.0m

SPEED	
ECONOMICAL SPEED	10 Knots
MAXIMUM SPEED MINIMUM DRAFT	12.5 Knots

CAPACITIES	
FUEL OIL	524.4m³
CARGO FUEL OIL	256.2m³
POTABLE WATER	920m³
DRILL WATER / BALLAST WATER	2294.3m³
SEWAGE HOLDING	31m³
DIRTY OIL / BILGE	17.1m³/15m³

DYNAMIC POSITIONING EQUIPMENT	
DP CLASS / MODEL	2 x KONGSBERG KPOS
POSITION REFERENCES	3 x DGPS ( 2 x Veripos + 1 Fugro) 1 x CyScan, 1 x RADIUS, 2 x HIPAP, 2 x LTW

ACCOMMODATION SPACES / EQUIPMENT	
MESS ROOM	1 room
RECREATION ROOM	1 room
OFFICE	2 offices
CONFERENCE ROOM	1 room
PRAYER ROOM	1 room
HOSPITAL	1 x 2 beds
GYM ROOM	2 x treadmills, 2 x Cross Trainer, 2 x multi-station
CHANGING ROOM	1 x 55 Lockers
LAUNDRY ROOM	7 x heavy-duty washers + dryers
FREEZER & CHILLER	2 x built-in freezer, 1 x built-in chiller
WATER MAKER	2 x 30T/day Reverse Osmosis
SEWAGE TREATMENT	108 men capacity
ELECTRICAL SOCKETS ON DECK	4 x container sockets STB 480-500V 32 Amp, 3P, 50-60Hz 3 x container sockets Port 480-500V , 32Amp, 3P, 50-60Hz 3 x container sockets 110-130V, 16Amp, 1P+N+Ground, 50-60Hz 4 x container sockets AC440V/3P/60Hz/32A 8 x container sockets AC230V/3P/60Hz/32A