

POSH MALLARD



89M DP2 / DSV

PRINCIPAL PARTICULARS

Year Built	2017
Flag	Singapore
Call Sign	9V5158
Builders	PaxOcean Engineering Zhoushan
IMO No	9812822
Official No	400782
Classification	ABS +A1 Offshore Support Vessel (DSV AIR, DSV SAT, FFV1, Supply) (E), +AMS, +ACCU, +DPS-2. Additional notations: CRC, ENVIRO, GP, HELIDK, MLC-ACCOM, SKP, SPS, UWILD

DIMENSIONS

Length Overall (LOA)	89.0 m
Length BP	81.47 m
Beam Moulded	21.0 m
Depth Moulded	7.5 m
Max. Draft (Summer)	5.9 m
Draft (minimum)	5.1 m

TONNAGE

Gross Tonnage	5169
Net Tonnage	1550
DWT 5.9 m draft	3316T

DECK LOADING

Free Deck Area	Abt 550 m ² (main deck), 120 m ² (mezzanine deck)
Cargo Deck Design Load	7.5 t/m ²
Reefer Points	4 x 440V, 32Amp (3 phase) 2 x 220V, 32 Amp (3 phase), 4 x 220V, 16Amp (1 phase)

SPEED

Max. speed min. draft	About 12.5 kts
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CAPACITIES

Ship Fuel Oil	490 m ³ (Excluding Settling and Service Tanks)
Cargo Fuel Oil	256 m ³ (Converted to Ship Fuel Oil Tank)
Potable Water	939 m ³
Drill Water/ Ballast Water	2,179.8 m ³
Sewage Holding	32.4 m ³
Dirty Oil / Bilge	16.8 m ³ / 14.7 m ³ (Excluding Sludge Tank)

PUMP CAPACITIES

Potable Water Cargo pump	1 x 150 m ³ /hr. @ 8bar
Drill Water Cargo pump	1 x 150 m ³ /hr.
Fuel Oil Transfer pump	1 x 100 m ³ /hr. @ 8bar
Anti-heeling Control system	1x200m ³ /hr. heeling pumps with a heeling monitoring system

MAIN PROPULSION & MACHINERY

Main Propulsion	2 x Azimuth Propellers Schottel SRP 1515 FP 1,850 kW each, driven by 690/3/60 AC electrical motors coupled to FPP ASD with frequency converter
Generators	4 x 1880kW, 690/3/60, diesel engine driven alternator 1 x 900kW, available in 690/3/60 and 440/3/60, diesel engine driven alternator 1 x 400kW @ 1,800 rpm, 440/3/60 (Emergency/harbour generator) 1 x 500kW @ 1,800 rpm, 440/3/60 (Emergency Gen for Air / Sat Dive System)
Bow Thrusters	3 x 1,200 kW, 16T transverse tunnel thrusters
Air compressor	1 x Service Air Compressor Capacity 300m ³ /hr. @ 10 bar

LSA / FFA EQUIPMENT

Fi-Fi (Class I)	Fi Fi Pump Capacity 4030 m ³ /h, pressure 12 bar, power consumption approx. 1715 kW. 2 Remote operated Monitor, capacity 1200m ³ /h (water) pressure 10bar
4 x 32 POB life rafts	
2 x 30 POB life rafts	
2 x 15 POB life rafts	
2 x 55 POB lifeboats, 2 x gravity davits c/w automatic lashing system	
1 x 9 POB Fast Rescue Boat	

DYNAMIC POSITIONING EQUIPMENT

2 x Kongsberg KPOS DP 21 + cJoy	3 x DGPS (2 x Veripos + 1 x Fugro)
3 x Gyro-compasses	3 x wind sensors
1 x RADIUS	1 x Cyscan Laser
4 x MRU	1 x HIPAP
1 x Tautwire	3 x UPS

DECK EQUIPMENT

Main Crane	1 x 120T, Knuckle Boom, AHC, Subsea Crane (up to 2000 m water depth) 120T @ 10.5m, 2-fall Subsea Lift 45T@18m, 1-fall Subsea Lift
Auxiliary Crane	1 x 12T@36m max
Capstans	2 x 10T@15 mpm, 400mm drum diameter
Helideck	Suitable for Sikorsky S92, CAP 437 compliant
Anchor	2 x 2655 kg AC 14 (2 x 12 shots) 330 m

DIVING EQUIPMENT

Saturation Dive System	12 Man Saturation 300msw System ABS Classed Dive Control with Inspection Coordinator Office 3 Man, side mating Diving Bell 5m3 Centre Launch Moon Pool with Aeration 4.2m X 3.58m 12-man Self-Propelled Hyperbaric Lifeboat 24 Kellys below decks with 11784m ³ of gas-holding capacity IOGP 468 compliant Sat Control is Fully Automated via HMI and IOGP 411-compliant Bell Launch and recovery system via HMI Divex Gas Reclaim System
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Surface Supplied Diving

ABS Classed 3 Diver Air and Nitrox System Inbuilt Dive Control and DDC Dive Control with Inspection Coordinator Office Twin LARS to 50m Built-in HP air storage for DDC and Divers Work Platform with 2 x Tuggers and Whizzy Wheel.
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ROV EQUIPMENT

Model	Seaeye Panther XT Plus
Manufacturer	Saab Seaeye Ltd.
Classification	DNV Safe Area Only
Type	Light Work Class System
ROV Depth Rating	850 msw
A-Frame 1100m Umbilical Capability	Frame style Safe Area LARS comprising: Single skid mounted winch and A-frame 6M Long. Self-erecting A-frame with raised pivot point with 3.5m outreach Hydraulic Power Unit & controls
Control Cabin	Purpose-built 20ft Split A60 Safe Area Container Control Cabin section and Workshop System Controls and Power Supplies Complete with Industry Rated Digital Edge SD V5 4 Channel recording suite.

ACCOMMODATION SPACES / EQUIPMENT

1 x Mess Room	
1 x Recreation Room + 1 MAJLIS	
1 x Smoking Room	
Well-equipped offices & 1 x conference room	
Gymnasium equipped with 2 motorized treadmills, 2 cross trainers, 2 x gym. multi-station and 1 rowing machine	

Laundry with 4 sets of heavy-duty industrial washing machines & dryers	
Surau (Prayer room)	
Hospital with 2 medical beds, backrest c/w adjustable by crank handle	
Changing room with 110 steel lockers in two-tiers	

2 x built-in Freezer + 1 x built-in chiller + 1 x Dry stores room	
Water maker 2 x 30T per day, Reverse Osmosis	
Sewage Treatment Plant for 108 men capacity	

ACCOMMODATION

Total Berths	108
Cabins	18 x 1 man, 19 x 2 men, 13 x 4 men Cabin sizes in compliance to MLC 2006