



NORDIC QUEEN

Vessel Specification

Length	75.55 m	Call Sign: 3EXE8
Breadth	19.20 m	IMO: 9444778
Draught	6.50 m	Class: Lloyds Register
Depth to 1 st Deck	7.60 m	⊕100A1 OSV ECO(TOC)
Deck Space	680m ² @ 10mt/m ²	⊕ LMC, UMS, DP(AA), NAV1
Crane	Hydramarine AHC	CAC3, SPS(60)
Accommodation	60 berths	
Max Deadweight	3066 Tons	
Roll Reduction System	Rolling reducing tank	
Anti-Heeling System	HOPPE Bord-Messtechnik	

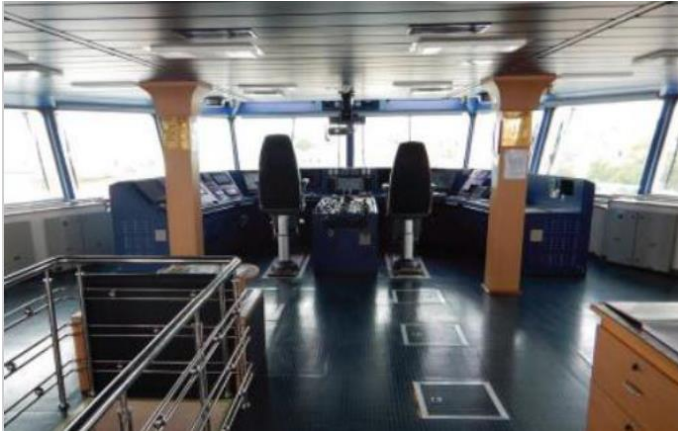


Nordic Maritime Pte Ltd
 3 Harbourfront Place
 4th Floor, Harbourfront Tower 2, Singapore

PHONE (65) 6235 0354
E-MAIL contact@nordic.com.sg
Website www.nordic.com.sg

PT Bahari Lines Indonesia
 Menara Satu Sentra Kelapa Gading
 Jl. Boulevard Raya, 8th Floor, Jakarta, Indonesia

PHONE (62) 21 2937 5731
E-MAIL contact@nordic.com.sg
Website www.nordic.com.sg



Nordic Queen is a DP2 VS4670 MKIII subsea service vessel capable of ROV operations as well as deepwater module handling. The vessel is specially customised and equipped to perform IMR (Inspection, Maintenance and Repair) work and light & medium construction.

Nordic Queen is equipped with a 100T Active Heave Compensated offshore knuckle boom crane, and built-in swell compensation system per 2,000 m depth. The vessel complies with SPS 2008 code with clean & comfort class notation. It can accommodate 60 personnel and offers full cargo deck capacity and logistics support to afford full usage flexibility for clients.

Principal Characteristics

Year Delivered	2016	Accommodation	60pax with ensuite facility
Builder	Tebma, India		7 Single cabins
Flag	Panama		Including 3 state cabins
Office Number	45748-14-B	Fuel Capacity	1345 m ³
Length [LOA]	75.55 m	Fresh Water	315 m ³
Length [LBP]	66.3 m	Ballast Water	1480 m ³
Breadth	19.2 m	Incinerator	1 x 500,000 kcal/hr
Draught	6.0 m	MEG Tank	189 m ³
Gross & Net Tonnage	4247 & 1275	SLOP Tank	127 m ³
Maximum Speed	13.5 knots	Deck Space	680 m ²
Deadweight (at 6.0m)	3066.3 Tons	Deck Area	120 m ² at Mezzanine
Lightweight	2852.4 Tons	Office Space	Offices & Conference Room
		Hospital	1



Lounge Area



1man cabin

Life Saving Equipment

Appliance	In accordance with current SOLAS regulation & class interpretations	FRC w/Davit	15men, 30 knots
		Life Rafts	Viking, 2 x 25pax and 4 x 35pax

Power & Propulsion

Propulsion	2 x 2320 kW main propellers
(CP Propellers)	2 x 590 kW tunnel thrusters (aft)
	2 x 900 kW tunnel thrusters (fore)
Main Engines	2 x 2320 kW Hyundai 8H25/33P
Auxiliary Engine	2 x 900 kW
Emergency Generators	1 x 440 kW
Shaft Generators	2 x 1600 kw
Fuel Consumption	Endurance of 30days – 21m ³ /day at maximum speed Endurance of 45days – 16m ³ /day at economical speed 24hours DP Operation – 16m ³ /day in moderate weather

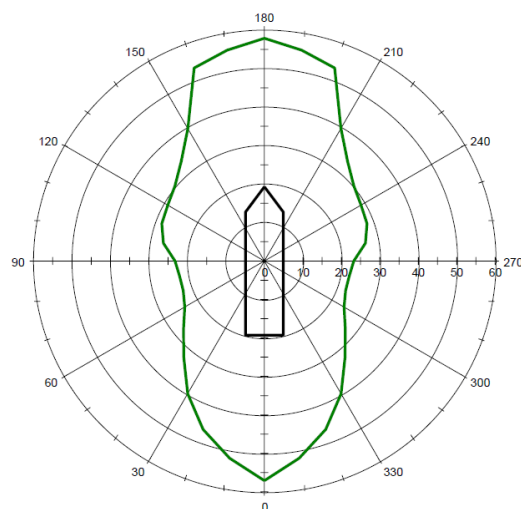
Pump Capacity

Fuel Oil Transfer Pump	1 x 20m ³ /hr, 2 bar	Cooling System	9 x seawater pumps
Lube Oil Transfer Pump	1 x 5m ³ /hr, 3bar	Emergency Fire Pump	7 x freshwater pumps
Sludge Pump	1 x 5m ³ /hr, 3bar	Ballast Pump	1 x 40m ³ /hr, 7 bar
Bilge Pump	4 x 65m ³ /hr, 2.5 bar	Auto Anti Heeling System	2 x 100m ³ /hr, 9 bar
OWS	1 x 20m ³ /hr, 15ppm	Starting Air Compressor	1 x 800m ³ /hr
FO Transfer Pumps	2 x 50m ³ /hr	MEG Pump	2 x 60m ³ /hr, 30bar
FW Transfer Pumps	1 x 50m ³ /hr	SLOP Pump	2 x 75m ³ /hr, 8 bar
Steering Gear	4 x electro hydraulic pumps		1 x 75m ³ /hr, 8 bar
	Rudder angle 2 x 45 degrees		

Dynamic Positioning

DP Classification	IMO Class 2
	LRS-DP(AA)
DP System	Kongsberg K-Pos DP-21
Reference System	2 x DGPS
	1 x Fan Beam
	2 x HIPAP 500

Ship: 3720 VS470 MPOV MkIII
Run : All thrusters in operation



Navigation Equipment

Radars	1 x Radar 10cm/S band	Autopilot	Fitted
	1 x Radar 3cm/X band	Echo Sounder	Fitted
	1 x Radar slave display LCD/TFT Maritime ECDIS 19*	ECDIS	2 units, interfaced with DP system
DGPS	2 x DGPS + 1 x GPS	Clinometers	Fitted
Compass	3 x Gyro Compasses	VDR	Fitted
AIS	Fitted, IMO approved	BNWAS	Fitted
SSAS	Fitted, IMO approved	SRS	Fitted
Search Lights	3 units	Speed log	Doppler Type

Facilities for Remotely Operated Vehicles

Hangar Doors	Sliding (bottom) & Hinged (top)	Control Room	Dedicated control room on A-Deck
ROV Types	Suitable for large WROVs ROVs are not included.	Office	Dedicated ROV Office on A-Deck
Deck Electrical supply for ROV	Various locations 440VAC, 60hz	Overhead Gantry Cranes	Arrangements provided for fitting 3t crane covering both sides (Port & Starboard)



ROV Mezzanine Deck



ROV Operation

Moonpool

Dimensions	4.8 m x 4.8 m	Damping	Cofferdams from stern
Hatches	Flush on 1 st Deck (closed)	Venting	Natural ventilation

Cranes

CRANE 1	SUBSEA CRANE	CRANE 2	CARGO / DECK CRANE
Maker	Hydramarine Crane 80T AHC HMC 3537 (API 2C)	Type	Knuckle Boom
Type	Knuckle Boom - AHC	Location	1 st Deck Starboard, Aft
Location	1 st Deck Port, midship	Capacity	Harbour Deck Lift
Wire Length	2000m	SWL	3T @ 16m
Capacity	Harbour Deck Lift	Working Radius	6m (min) / 18.5m (max)
[DAF=1.3]	Subsea Lift		
SWL	80T @7.5m double fall 50T @15m double fall 30T @ 25m single fall 40T @16m single fall		
Whipline	10mt		
Hook Travel	2,000m		

Communication Equipment

Radio (VHF)	Provided	MOB Alarm	7 x MOB buttons on working deck
Radio (UHF)	Provided	Transponders	2 x radar transponders
EPIRB	1 x Tron 45SX	GMDSS	GMDSS for area A3
INMARSAT	2 x Inmarsat C w/EGC receiver	Internal Communication	Internal telephone system and PA system

Deck Equipment

Anchors	2 x Stockless Specs Grade K3	Capstans	2 x electro-Hydraulic, 8 Tons
Anchors Windlass	1 x electro-hydraulic	Tugger Winch	2 x electro-Hydraulic, 10 Tons Wire capacity: 60m
Mooring Winch	2 x Declutchable cable lifters, Drums dia 400/1250mm, length 1000m		

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All particulars presented are believed to be accurate but given entirely without warranty. Interested parties are advised to verify details through inspections.