COCO

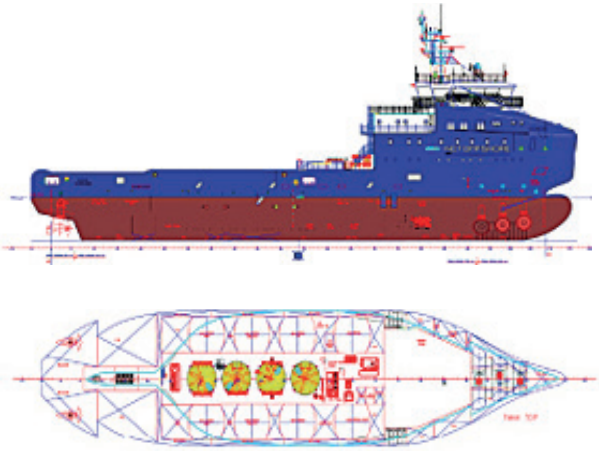
NCT OFFSHORE

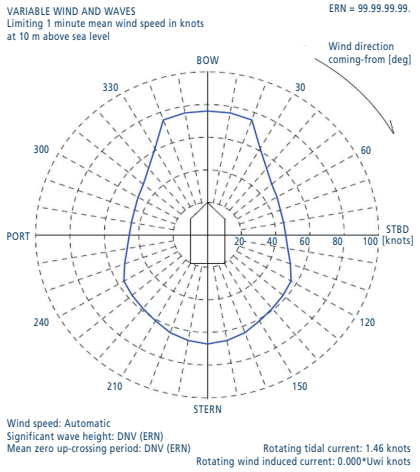
Nymarksgyden 58
5474 Veflinge
Denmark
CVR-NO 37474592

Vard 108

MSPV / SPS / SF / E0 / DYNPOS-AUTR / DK+ / HL (2.8) / NAUT-OSV(A) / COMFV(3) / LFL* / FI-FI I / ICE-C / OILREC /

Build Yard / Vard Vung Tau, Vietnam
Vessel Delivery Year / 2022





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04_10_2022

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ACTIVITY	CONSUMPTION (WEATHER PENDING)
Economic Speed approx 10 knots	Approx 8,2 m³/Day
Full Speed approx 14 knots	Approx 23 m³/Day
DP2	Approx 4-6 m³/Day

DP2 Capability plot 100 % availability

KONGSBERG

PLOT RESULTS

Capability Plot: All Trusters 100% THRUST

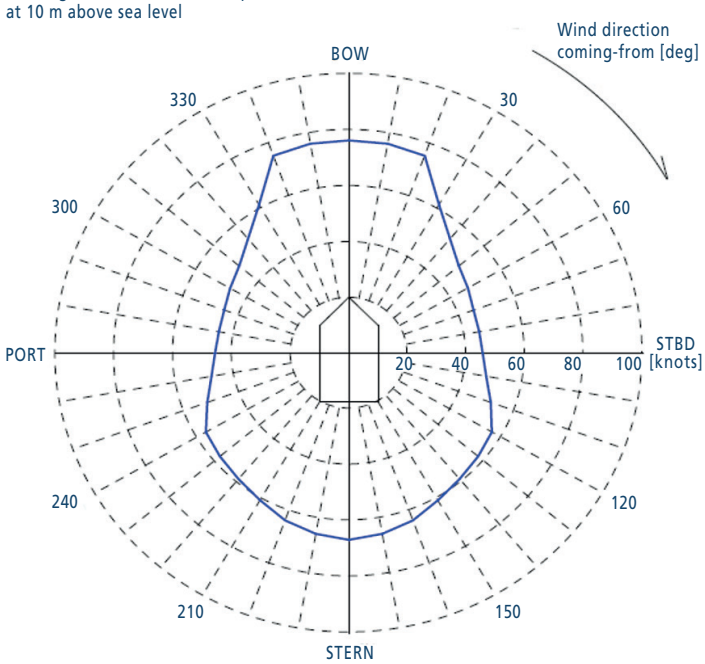
Length overall	81.7 m	
Length between perpendiculars	74.0 m	
Breadth	18.0 m	
Draught	6.5 m	
Displacement	6650.0 t	(Cb 0.75)
Longitudinal radius of inertia	18.5 m	(= 0.25 * Lpp)
Pos. of origin ahead af Lpp/2 (Xo)	0.0 m	
Wind Load coefficients	Calculated (Blendemann)	
Current load coefficients	Calculated (Strip-theory)	
Wawe-drift load coefficients	Database (Scaled by Breadth/Length)	

Tidal current direction offset	0.0 deg
Wave direction offset	0.0 deg
Wave spectrum type	JONSWAP (gamma = 3.30)
Wind spectrum type	NPD
Current - wave-drift interaction	OFF
Load dynamics allowance	1.0*STD of thrust demand
Additional surge force	0.0 tf
Additional sway force	0.0 tf
Additional yawing moment	0.0 tf.m
Additional force direction	fixed
Density of salt water	1026.0 kg/m³
Density of air	1.226 kg/m³ (15°C)

Power limitations	OFF
Thrust loss calculation	OFF

VARIABLE WIND AND WAVES
Limiting 1 minute mean wind speed in knots
at 10 m above sea level

ERN = 99.99.99.99.



Wind speed: Automatic
Significant wave height: DNV (ERN)
Mean zero up-crossing period: DNV (ERN)

Rotating tidal current: 1.46 knots
Rotating wind induced current: 0.000*Uwi knots

# Thruster	X [m]	Y [m]	F+ [tf]	F- [tf]	Max [%]	PE [kW]	Rudder
1 TUNNEL	33.7	0.0	10.8	-10.8	100	800	
2 TUNNEL	30.5	0.0	10.8	-10.8	100	800	
3 TUNNEL	27.3	0.0	10.8	-10.8	100	800	
4 AZIMUTH	-35.3	- 4.8	19.0	-17.1	100	1600	
5 AZIMUTH	-35.3	4.8	19.0	-17.1	100	1600	

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DIMENSIONS

LOA	81.7 m
LBP	74.0 m
Breadth Moulded Draft	18.0 m
Loaded / Depth	5.7 m

TONNAGE

GRT	3888 t
NRT	1342 t
DWT	2903,75 t

CARGO CAPACITIES

Fuel Oil (MGO) / Connection	1420 m^3
Fresh Water / Connection	700 m^3
Ballast Water	1690 m^3
Drill Water	1080 m^3
Base Oil	300 m^3
Mud(s) / Brine(s)	1200 m^3
Dry Bulk(s) / Connection	150 m^3
Methanol	220 m^3
Oro	1030 m^3
Slop	190 m^3
Urea	50 m^3
Wooden Deck Area	700 m^2
Cargo Deck Area	670 m^2
REEFER Cargo Container power sockets	4 pcs

ENGINES / THRUSTERS / AUX

Main Engine(s)	2x 3516TA series C
	(2350bkW, 1800 RPM)
Main Propulsion	2 x Caterpillar C-32 tier 3
	(994bkW, 1800RPM)
	2 x Azipull 85 CP 1600kW
	(0-1200RPM)
Thrusters	3 x Tunnel thrusters 800kW
	(0-2800RPM)
Emergency Generators	1x Caterpillar C6.6-ACERT
Power availability to deck	(138ekW at 1800 RPM, 690V, 60Hz) 440V 700 kva
(Extra is possible, if required)	690V 1200 kva

CONTROL SYSTEMS AND DYNAMIC POSITIONING

Control Positions	Aft x 2
Full Manual Control Joystick	FWD & AFT
Control	1 x Kongsberg Cjoy
	1 x Kongsberg CWing
DP2 System	Kongsberg K-Pos DP-21
Vertical Taut Wire	N/A
DGPS # 1	1x Kongsberg DPS 110
DGPS # 2	1x Kongsberg DPS 112
Hydro Acoustic Pos Ref #1	1x Kongsberg HiPAP 502
Fan Beam Laser	1x CyScan MK4
Offshore endurance	42 days

RESCUE AND VESSEL EQUIPMENT

FRC Davit	1x Palfinger David NPDS 3500H FR
MOB Craft	N/A
Cargo Railing	Yes Port and Starbord side of maindeck
ROV Deck	170 m^2
Fast Rescue Craft	1x Harding FRB -650
Winch Area	Aft Main Deck
Emergency Towing Capability	Yes
Searchlights	2x
Electrical power supply	3 x NOFO, 2 Aft main deck and 1 Fwd main deck
Dacon Scrambling Net	1x
Provision crane (2T in 17m)	1x
Deck cranes (4T in 14m)	2x
R50 Mermac Winch	1x
GSR Winch	1x
GSR 35T A-Frame	1x
Nørlau Winch	1x
ROV LARS	1x
MultiROV	1x

NAVIGATION AND COMMUNICATION EQUIPMENT

Radar(s) (Forward)	1x Furuno
Radar(s) (Aft)	1x Furuno
ECDIS	2x Telko TECDIS
PLB System	N/A
DGPS(s)	1x Kongsberg DPS 110
	1x Kongsberg DPS 112
Gyro(s)	3x
Autopilot	ANCHUTZ NP5100
Magnetic Compass	N/A
Echo Sounder	1x Furuno FE-700
Digital Depth Recorder	N/A
Navtex	1x Furuno NX-700
Sat Comms	2x SAILOR 6110
MF/HF Radio	1x SAILOR 6301
UHF	N/A
VHF (Forward)	1x SAILOR 622
VHF (Aft)	1x SAILOR 6222
	1x SAILOR 6210
Helo Radio	1x ICOM IC-A6E
AIS	1x Furuno FA-150
VHF Direction Finder	1x TAIYO TD -L1550A
Doppler Log	Furuno DS-80
SSAS	Thrane 6194
Portable VHF	3x SAILOR SP3520
UHF Base	3x Motorola DM4600
Portable UHF	20x
Sonic Helmets	2x
Smartpatch Phone	N/A

CREW FACILITIES

Crew Cabins	3 x Single (Captain Class)
	3 x Single (Officer Class)
	7 x Single (Crew Class)
	1 x Double (Crew Class)
	1 x Single (Passenger Class)
	22 x Double (Passenger Class)
Recreation and Leisure	1 x Gym & 2 x Day Room

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