

Vessel Information Handbook



MV COCO

Yard No. 806, VARD VUNG TAU

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00	25-01-2024	DRAFT - Final version - DRAFT	NC	
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1 General Information

Name	MV COCO
Design	Vard 806
Built	2022
IMO no.	9755153
Call sign	OZUG2
MMSI Number	219030190
Lloyds Register identification number	
Flag State	Denmark
Port of Registration	Klintebjerg
Classification	MSPV/SPS/SF/E0/DYNPOS-AUTR/DK+/HL(2,8)/NAUT-OSV(A)/COMFV(3)LFL*/FI-FI/ICE-C/OILREC
Owner	NCT Offshore A/S Middelfartvej 228 5200 Odense V Denmark
Manager	NCT Offshore A/S Middelfartvej 228 5200 Odense V Denmark

2 Main Particulars

2.1 Dimensions

Length overall	81,7 m
LPP (ILLC 1969)	73,92 m
Breadth	18,0 m
Max Draught, summer water line	SPS: 5,7m (SF:6,5 m)

2.2 Tonnage

Gross Tonnage	3888 tonnes
Net Tonnage	1342 tonnes
Lightship displacement	
Deadweight, summer draught	2903,75 tonnes

3 Power and Propulsion

3.1 Power

Main Generators	2 piece Caterpillar 3516TA series C 2250kW 2 piece Caterpillar C-32 tier 3 936 KW
Engine speed	1800 rpm
Engine Power output (MCR)	1800 kW
Power Plant Monitoring	SeaQ IAS
Emergency Generator motor	Caterpillar C6.6-ACERT
Emergency Generator Alternator	Leroy Somer
Emergency GenSet output	138 kW at 1800 RPM
Shore Power Connection	440V/250A – 60Hz
Electrical Power	690V/60Hz 3ph; 440V/60Hz 3ph; 230V/60Hz; 24V DC

3.2 Propulsion

Propulsion	Diesel electric
Main Propulsion	Rolls-Royce Azipull 85 CP 16TMH 1600kW
Bow Tunnel Thrusters	3 x Brunvoll tunnel thrusters, each 800 kW Type FU74LTC2000

3.3 Consumption

Activity	Consumption Ballast
Econ speed (approx. 8 knots)*	6,0 m3/day
Transit speed (approx. 10 knots)*	8,3 m3/day
Full speed (approx. 14 knots)*	23,2 m3/day
Port*	1,8 m3/day
DP1*	4,5-6 m3/day
DP2*	8-9 m3/day
Offshore Standby*	3-3,5 m3/day
* Figures are indicative and subject to weather, sea, swell, draft, marine fouling, wind area, deck equipment power, position/steering accuracy etc. which affect consumption.	

4 Dynamic Positioning

4.1 General Information

DP Classification	DYNPOS(AUTR)*
Manufacturer	Kongsberg
Type	K-POS DP21 and c-Joy
ERN numbers	99,99/99,99/99,98
Capability plot	Available on request

4.2 Reference System

DGPS 1	Kongsberg DPS i1
DGPS 2	Kongsberg DPS112
Hydro Acoustic Pos ref	Kongsberg Hi-PAP 502

4.3 Sensors

Gyro	3x Raytheon Anschütz Type STD22
Wind Sensors	2x Gill Observer
MRU/VRS	4x KM Seatex MRU-2
Spotbeam	2x Kongsberg DP21
CyScan	Cyscan



5 Bridge Equipment

5.1 Navigation

Navigation GPS	2x Furuno GP-170
Radar 10cm (X-band)	Furuno EC-3000
Radar 3 cm (S-band)	Furuno EC-3000
ECDIS	2x Furuno FMD-3100 ECDIS
Navigational Echo Sounder	Furuno FE-700
Gyro Compass	3 x Raytheon Anzhutz Type 100-233 NG002
Speed Log	Furuno DS-80
Current Indicator	Integrated in SpeedLog
Auto Pilot	Anzhutz NP5100
AIS	Furuno FA-150
Voyage Data Recorder (VDR)	DANELEC DM100

5.2 Communication

GMDSS Equipment	Equipped for A3 operation
Inmarsat C	2 x Sailor 6110
Iridium	2 x Iridium Gigaset C530 IP
VSAT Communication	Sailor 900B KU V3
MF/HF	Sailor 6301
Navtex	Furuno NX-700
VHF (Fixed)	2x Sailor 6200
VHF (Portable)	3x Sailor SP3520
UHF Radio (Fixed)	5x Motorola DM4600
Internal communication	N/A

5.3 Operation

Anti-healing pumps	N/A
CCTV	Vard Electro
Independent Joystick system	Kongsberg cJoy DP21

6 Capacities

6.1 Freshwater Capacity and Production

Capacity	506,9 m ³
Reverse Osmosis	Hatenboer
Hydrophore system	6 bar, 3,5 m ³ /hour 2 pieces in parallel.
Bunker station / connection	Yes

6.2 Ballast Capacity and Pumps

Capacity	1687,4 m ³
Ballast pumps	2x PG VHC 147.2-73 150 m3/9bar
Ballast treatment system	Hyde Guardian HG150

6.3 Fuel Capacity and spec

Capacity	1420,0 m ³
Specification	MGO
Bunker station / connection	Yes
Urea capacity	50,0 m ³

7 Safety Equipment

Vessel is fully compliant with SOLAS and flag state requirements for safety equipment and is certified for a total of 60 persons on board.

Life rafts	Viking
Rescue Boat	Harding – FRB 650
Immersion Suits	Survitec
Liftjackets	70x Crewsaver premier 2010
Emergency Escape Breathing Devices	12x Hwayan 0098-15
Emergency radios	3 x Jotron
EPIRP	2x JOTRON TRON60S
EPIRP (Free float)	2 x JOTRON TRON 40VDR
Radar Transponders (SART)	2 x TRON SART60, AIS
Fire Detection System	Eltek/Consilium
Water Mist System	Delta fog/foam
Firemens outfit	According certificate.
Foam system	Delta fog/Foam
CO2 Fire Extinguishing System	N/A
Wet chemical (Deep Fat Fryer)	Danfoss K5 fire suppression system
Hospital	Drawing given on req. 1 bed for treatment of patient.

8 Deck Equipment

8.1 Main Deck

Length	
Breadth	
Deck Area	Main deck: 622,5m ² . Mezzanine deck: 97,75m ²
Deck Strength	Main deck frame 0-25: 10 ton/ m ² . Frame 25-Fwd: 5ton/ m ² Mezzanine: 2ton/m ²

8.2 Cranes

8.2.1 Main Crane

Manufacturer	Foundation on main deck available PS and SB. DWG available on request. Structure below deck for 50 ton SWL crane foundation available on aft deck
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8.2.4 Aux. Crane

Manufacturer	TTS Marine AS
Type	GPK 115-2-17
Working range	2 tonnes 17 meters max min 3,2 meters
Wire	Ø13 1960N/MM2 MBL=154,5KN
Slewing Range	360 degree
DECON	50 meters/min

8.2.5 A-Frame

MacArtney A-frame	1 x 35t SWL (specification given on request)
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8.3 Deck outlets

Fresh Water	1 x 1" deck outlet Drawing given on request
Working Air	5 x deck outlets Drawing given on request
High Pressure Water	4 x deck outlets Drawing given on request
Power	Drawings given on request
230V/60Hz	NOFO cabinets: 6 x 16A (1P+J) (2 pce each cabinet) Reefer cabinets: 12 x 16A (1P+J) 6 x 32A (3P+J)
440V/60Hz	NOFO cabinet no1: 2 x 32A (3P+J) <u>Main Deck Room 243:</u> MP06: 1 x 500A breaker 1 x 250A breaker 1 x 630A breaker

	MP07: 4 x 250A breaker MP08: 1 x 40A breaker 1 x 25A breaker 2 x 16A breaker MP09: 1 x 150A breaker 1 x 63A breaker 1 x 16A breaker
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10 Accommodation

10.1 Public areas

Mess room	1
Galley	1
Laundry	1
TV-Lounges	2
Gymnasium	1
Conference room	1
Changing room lockers	58 pce
Hospital	1
On-line Survey room	1
Off-line Survey room	1
Client Offices	2
Ships library	1
Ships office	1



10.2 Cabins

Cabin accommodation	58 persons
Single cabins	13 piece
Double cabins	22 piece



10.3 Client Offices

OM Office	1 x desk for 2 persons 1 x TV
ROC Control room	2 x desk for 2 persons 2 x Server Racks (600X800X1980mm)
Online Server Room	2 x Server Racks (600X800X1980mm) 2 x UPS for Server Racks
Shared conference room	1 x Desk for 2 persons (1 public PC for crew) 1 x Conference table with 6 chairs 1 x TV