



**GOLDEN
ENERGY**
OFFSHORE

MV Energy Paradise of Ulstein PX121 DESIGN



TECHNICAL OUTLINE SPECIFICATION

FIELD SUPPLY & PIPE CARRIER,

Rev.: 11.11.2025

Yard: Hull #N569 @ Cosco Guangzhou Shipyard, China
Delivered 04/08/2015

Name of ship: Energy Paradise
Port of registry: Ålesund
Distinctive number or letters: LAVA8
IMO Number: 9685762
Maritime Mobile Service Identity (MMSI): 257 381 000
Lloyds Register ID: 9685762
DNV ID:



| MAIN DESCRIPTION | MEASUREMENTS |
|--|---------------------------------|
| Type : PLATFORM SUPPLY VESSEL. | Length o.a. : 83,4m |
| Classification: | Length p.p : 79,612m |
| LR X 100 A1 Offshore Supply Ship, Firefighting | Breadth mld. : 18,00m |
| 1,2400 m³/h with waterspray HNLS | Design draught : 6.0m |
| IWS ECO (TOC) LMC UMS DPA (AA) | Draught max. : 6,70m |
| ERN 99.99.94.86 | Moulded draught to M.D. : 8,00m |
| | Lowest service draft : 3,2m |
| | DWT : 4110T |
| | Gross Tonnage : 3650 |
| | Net Tonnage : 1295 |
| | Deck load, VCG : 1950T |

| CARGO CAPACITIES | DISCHARGE RATES |
|---|---|
| Work/Cargo Deck area: 858m² (L 50,4 x B 15 + L 7 x B 14,5) | |
| Usable Deck area: 850m² | |
| Deck strength: 10t/m² aft of #35, 5t/m² elsewhere | |
| Cargo tks : Vessel has 10 x combi tanks for mud/brine /slop/ etc. | |
| Fresh Water : 574m³ | 0 - 200m³/hour - 9 bar |
| Fuel Oil : 1474m³ | - 9273 US bbl 0 - 200m³/hour - 9 bar |
| Liquid Mud : 1292 m³ total volume | - 8220 US bbl 0 - 75m³/hour - 18 bar |
| (Water based : *1163m³ i.e.@ 90% Sg. 2,8 | - 7315 US bbl) 0 - 75m³/hour - 18 bar |
| (Oil based : *800m³ | - 5031 US bbl) 0 - 75m³/hour - 18 bar |
| Brine : 1163m³ i.e.@ 90% Sg. 2,8 | - 7315 US bbl 75m³/hour - 18 bar |
| DW/ballast : 1674m³ | 0 - 200m³/hour - 9 bar |
| Methanol : 153m³ 2 tanks | - 962 US bbl 0 - 75m³/hour - 9 bar |
| Baseoil : 257m³ 2 tanks | - 1629 US bbl 150m³/hour - 9 bar |
| Cement/barite : 255m³ 4 tanks | - 8969 Ft³ 2 x compr. 30 m³/min.- 5,6 bar |
| Slop : 506m³ 4 comb tks | - 3182 US bbl 0-75m³/hour - 18 bar |

* Max capacity of each product

Height of cargo rail: 4m

All mud / brine tanks have agitators.

Inert Gas Generator installed, capacity: 100Nm³/h with 97% nitrogen (N₂) purity.

Flow meter for Fuel Oil (w. print) and FW.

Loading and discharge stations on both sides amidships and aft.

Work air on Main Deck: 7 bar.

Lashing points on Main Deck:

16 x lashing points (A) SWL 5T on cargo rail

28 x lashing points (B) SWL 5T on cargo rail

18 x flush D-ring (A) lashing points SWL 10T on cargo rail

6 x flush D-ring (B) lashing points SWL 5T on cargo rail





30 x deck socket for lashing
12 x rollers (6 each side) for tugger wire arranged in cargo rail

MACHINERY -PROPULSION

PERFORMANCE @ draft 4,8m

| | | | |
|------------------|--|-------------------------------------|--------------------------|
| Main eng.: | 2 x Caterpillar C3512 1630 kW each | Full speed (all generators running) | : 14,5 kts ~ 18,1 mt/day |
| Generator: | 2 x Leroy Somer LSA 52.2 M60/4p | Service speed/cons. | : 13 kts ~ 15,5 mt/day |
| Main eng.: | 2 x Caterpillar C32 994 kW each | ECO high speed | : 11,5kts ~ 10,3 mt/day |
| Generator: | 2 x Leroy Somer LSA 50.1 M60/4p | ECO medium speed | : 10,8kts ~ 8,6 mt/day |
| Emergency gen. : | Caterpillar C4.4, 99 ekW | Eco speed/cons. | : 10,5 kts ~ 7,7 mt/day |
| Propellers : | 2 x Schottel STP 1212, 1,600 kW each | ECO slow speed | : 10 kts ~ 7 mt/day |
| Bow thruster: | 2x Tunnel thr. CP Schottel 880 kW each | DP nice weather 2 gen online | : 4 mt/day |
| | | DP med. weather 2 gen online | : 6 mt/day |
| | | DP rough weather 4 gen online | : 6,6 mt/day |
| | | Port consumption | : 1 mt/ day |

DECK/RESCUE EQUIPMENT

ACCOMMODATION

| | | |
|--|---------------------|------------------------------|
| Lifesaving equipment according to NMA requirement | Total | : 26 persons |
| 1 off MOB: Neptune NPT 40R, 6 pax, inboard diesel | Cabins | : 14 x 1 (single) bed cabins |
| 1 off (SOLAS approved) Davit: NPT 15 ARH | Cabins | : 6 x 2 (double) bed cabins |
| Life rafts : 4 x 20 + 2 x 6pers. | Day room Smokers | : 1 off, A deck |
| Survival Suits : 31pcs Viking PS 2014 | Day room No smokers | : 1 off, A deck |
| Life Jackets : 31 pcs Viking PV 9520 | Mess room | : 1 off, A deck |
| Tugger Winches : 2 x 10t - 35m/min | Hospital | : 1 off, Main deck |
| Capstans : 2 x 10t – 35m/min | Laundry | : 1 off, Main deck |
| Windlass/Mooring : 1 double 15t | Gymnasium | : 1 off, Main deck |
| Cranes : TTS 3t@18m | | |
| Waste Compactor : 1 off | | |
| FIFI 1 - 2 x monitors : 3.820m ³ /hr – 120m | | |





REEFER SOCKETS ON MAIN DECK:

6 pcs of reefer sockets 230 v / 16amps, located close to tugger winches, 3psc each side.

6 pcs of reefer sockets 440v / 32 amps, located behind buoyancy room in crash barrier, 3psc each side

16A, 200-250V, 50-60Hz



220V PS behind accommodation



220V SB behind accommodation



220V PS behind buoyancy-room



220V SB behind buoyancy-room



NAVIGATION EQUIPMENT

- 1 off S-Band JMCJMA -9132-SA ARPA radar
- 1 off X-Band JRC JMA -9122-9XA ARPA radar,
- 1 x JRC JAN-901B-FOR DGPS for navigation
- 1 x JRC Navi-Sailor 4000 ECDIS MFD ECDIS system
- 1 x Magnetic compass Yokogawa SR-165
- 3 x Yokogawa CMZ900 Gyro
- 1 off Echo Sounder
- 1 off Doppler speed Log
- 1 off DP system K-POS DP 2

COMMUNICATION EQUIPMENT

- 1 off JRC JSS-2150 MF/HF SSB w/ DSC
- 1 off JRC NCR-333 Navtex receiver
- 2 off Inmarsat C (with SSAS & LRIT)
- 1 off JRC JUE-251 Fleet Broadband
- 1 off KVH VSAT system
- 2 off JRC JHS-770S VHF with DSC
- 1 off JRC JHS-770S VHF
- 3 off Entel HT 544 portable GMDSS VHF's
- 1 off Entel HT 649 portable VHF





3 off MRU D
3 off Windbserver II sensors
2 off Seatex DPS 110
1 off Cyscan Mark IV Laser Pos Ref System
1 off Mini RadaScan Type 3 – Pos Ref System

3 off Entel HT 743 portable UHF's
1 off fixed Motorola GM-360 UHF

TELEPHONE SWITCH BOARD:

Intercom: Ulstein VCOM

FIRE FIGHTING SYSTEM:

According to Class requirement
Fire fighting in Engine Room by Water mist (local application) CO2. In Paint Store by sprinkler





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Golden Energy Offshores PX 121 series General

Golden Energy Offshores PX 121 series are state of the art vessels with high capacities and good station keeping capabilities.

The hull form, with the ULSTEIN X-BOW®, and the diesel electric propulsion system, ensures exceptional performances with regards to fuel consumption, sea keeping, station keeping, speed, stability and cargo capacity.

Low fuel consumption with low emissions makes the vessels environmental friendly.

The cargo systems ensure safe and efficient loading and discharging of the Vessel.

The propulsion system comprises two azimuth type propellers, each driven by an electrical motor.

Two tunnel thrusters are installed in the fore part of the Vessel.

The vessels have very large deck capacities for this class of vessels.

The vessel has the notation FiFi1 and can perform firefighting operations.

Compliance with MEPC 197(62) Inventory of Hazardous Materials ensures the vessel is built environmental friendly.

Chartering & Operation Managers:

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