



MV Energy Partner of Ulstein PX121 DESIGN



TECHNICAL OUTLINE SPECIFICATION

MULTIPURPOSE FIELD SUPPLY-, PIPE CARRIER, SPECIAL PURPOSE VESSEL

Rev.: 19.12.2025

Yard: Hull #N570 @ Cosco Guangzhou Shipyard, China
Delivered 14/01/2016

Name of ship: Energy Partner
Port of registry: Aalesund
Distinctive number or letters: LAVB8
IMO Number: 9709128
Maritime Mobile Service Identity (MMSI): 257 471 000
LR ID: 9709128
DNV ID: 37224



MAIN DESCRIPTION

Type : PLATFORM SUPPLY VESSEL.

Classification:

* LR X 100 A1 Offshore Supply Ship, Firefighting 1
2.400 m³/h with waterspray HNLS
IWS ECO (TOC) LMC UMS DPA (AA)

ERN 99.99.94.86

MEASUREMENTS

Length o.a. : 83,4m
Length p.p : 79,553m
Breadth mld. : 18,00m
Design draught : 6.0m
Draught max. : 6,70m
Moulded draught to M.D. : 8,00m
Lowest service draft : 3,2m
DWT : 4138T
Gross Tonnage : 3638
Net Tonnage : 1295
Deck load, VCG : 1950T

CARGO CAPACITIES

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.

DISCHARGE RATES

Fresh Water	: 576m³		0 - 200m³/hour -	9 bar
Fuel Oil	: 1465m³	- 9208 US bbl	0 - 200m³/hour -	9 bar
Liquid Mud	: 1292 m³ total volume	- 8132 US bbl	2x 0 - 75m³/hour -	18 bar
(Water based	: *1163m³ i.e.@ 90% Sg. 2,8	- 7315 US bbl)	2x 0 - 75m³/hour -	18 bar
(Oil based	: *800m³	- 5031 US bbl)	2x 0 - 75m³/hour -	18 bar
Brine / Slop	: 1163m³ i.e.@ 90% Sg. 2,8	- 8132 US bbl	75m³/hour -	18 bar
DW/ballast	: 1446m³		0 - 200m³/hour -	9 bar
Methanol	: 153m³ 2 tanks	- 962 US bbl	2 x 0 - 75m³/hour -	9 bar
Baseoil	: 257m³ 2 tanks	- 1616 US bbl	0 - 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	2x 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: 100 Nm³/h with 97% nitrogen (N₂) purity.

Flow meter for Fuel Oil 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

Main eng.: 2 x Caterpillar C3512 1630 kW each
Generator: 2 x Leroy Somer LSA 52.2 M60/4p
Main eng.: 2 x Caterpillar C32 994 kW each
Generator: 2 x Leroy Somer LSA 50.1 M60/4p
Emergency gen. : Caterpillar C4.4, 99 kW
Propellers : 2 x Schottel STP 1212, 1,600 kW each
Bow thruster: 2x Tunnel thr. CP Schottel 880 kW each

PERFORMANCE @ draft 4,8m

Full speed (all generators running) : 14,5 kts ~ 18,1 mt/day
Service speed/cons. : 13 kts ~ 15,5 mt/day
ECO high speed : 11,5kts ~ 10,3 mt/day
ECO medium speed : 10,8kts ~ 8,6 mt/day
Eco speed/cons. : 10,5 kts ~ 7,7 mt/day
ECO slow speed : 10 kts ~ 7 mt/day
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

Lifesaving equipment according to NMA requirement
1 off Fast Rescue Craft: Mare 600 FRB, inboard diesel
1 off (SOLAS approved) TTS Davit
Life rafts : 2x20 +1x6pers. each side
Survival Suits : 30
Life Jackets : 30
Tugger Winches : 2 x 10t
Capstans : 2 x 10t
Windlass/Mooring : 1 double 15t
Cranes : 3t@18m
Waste Compactor : 1 off
FIFI 1 - 2 x monitors : 3.820m³/hr – 120m

ACCOMMODATION

Total : 26 persons
Cabins : 14 x 1 (single) bed cabins
Cabins : 6 x 2 (double) bed cabins
Day room Smokers : 1 off, B deck
Day room No smokers : 1 off, A deck
Mess room : 1 off, A deck
Hospital : 1 off, Main deck
Reception : 1 off, Main deck
Laundry : 1 off, Main deck
Gymnasium : 1 off, Main deck
Ship's office : 1 off, C deck
Conference room : 1 off, C deck





REEFER SOCKETS ON MAIN DECK:

- 6 pcs of reefer sockets 440v/32amps, located close to tugger winches - 3pcs each side
- 6 pcs of reefer sockets 440v/32amps, located behind buoyancy room in crash barrier(midship) - 3pcs each side
- 1 pcs reefer socket 220v/16amps located in deck workshop.

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 Transas Navi-Sailor 4000 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
- 3 off MRU D
- 3 off Windobserver II sensors
- 2 off Seatex DPS 110
- 1 off Cyscan Mark IV Laser Pos Ref System
- 1 off Radius 1000 w/ 2 x interrogators and 1 x Radius 700

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 Entel HT 743 portable UHF's

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





**GOLDEN
ENERGY**
OFFSHORE

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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