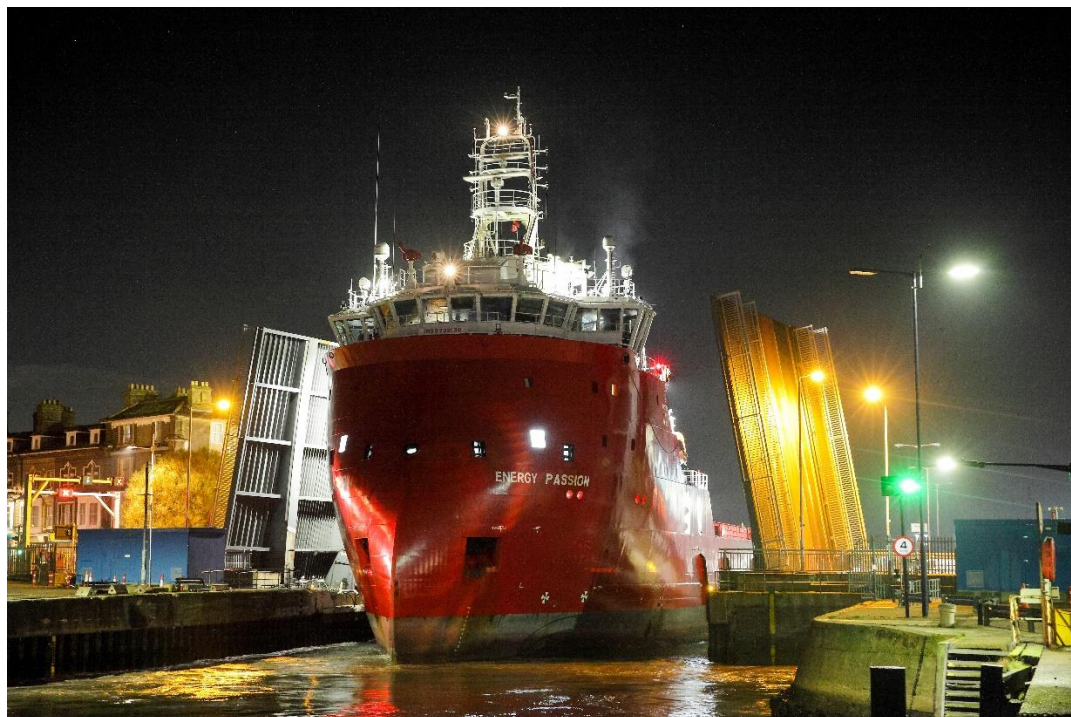




**GOLDEN
ENERGY**
OFFSHORE

MV Energy Passion of Ulstein PX121 DESIGN



TECHNICAL OUTLINE SPECIFICATION

MULTIPURPOSE FIELD SUPPLY-, PIPE CARRIER, SPECIAL PURPOSE VESSEL

Rev.: 07/01/2026

Yard: Hull #571 @ Cosco Guangzhou Shipyard, China
Delivered 23/08/2016

Name of ship: Energy Passion
Port of registry: Ålesund
Distinctive number or letters: LAVC8
IMO Number: 9709130
Maritime Mobile Service Identity (MMSI): 257 416 000
Lloyds ID: 9709130



MAIN DESCRIPTION

Type : PLATFORM SUPPLY VESSEL.

Classification:

* LR X 100 A1 Offshore Supply Ship, Firefighting 1
2400 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	: 3,3m
DWT	: 4138T
Gross Tonnage	: 3638
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	: 576m ³		0 - 200m ³ /hour -	9 bar
Fuel Oil	: 1464m ³	- 9208 US bbl	0 - 200m ³ /hour -	9 bar
FO giveaway	: **1000m ³	- 6289 US bbl		
Liquid Mud	: 1293 m ³ total volume	- 8132 US bbl	2x 0 - 75m ³ /hour -	18 bar
(Water based	: *1163m ³ i.e.@ 90% Sg. 2,8	- 7315 US bbl)	2x 0 - 75m ³ /hour -	18 bar
(Oil based	: *800m ³	- 5031 US bbl)	2x 0 - 75m ³ /hour -	18 bar
Brine / Slop	: 1293m ³ i.e.@ 90% Sg. 2,8	- 8132 US bbl	0 - 75m ³ /hour -	18 bar
DW/ballast	: 1446m ³		0 - 200m ³ /hour -	9 bar
Methanol	: 150m ³ 4 tanks	- 943 US bbl	2 x 0 - 75m ³ /hour -	9 bar
Baseoil	: 257m ³ 2 tanks	- 1616 US bbl	0 - 150m ³ /hour -	9 bar
Cement/barite	: 260m ³ 4 tanks	- 9181 Ft ³	2 x compr. 30 m ³ /min.-	5,6 bar
Slop	: 506m ³ 4 comb tks	- 3187 US bbl	2 x 0-75m ³ /hour -	18 bar
Foam	: 1,5m ³			

* Max capacity of each product

** According to IOPP regulations



12 x rollers (6 each side) for tugger wire arranged in cargo rail

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) TTS Davit	Cabins : 6 x 2 (double) bed cabins
Life rafts : 2x20 +1x6pers. each side	Day room Smokers : 1off, A deck
Survival Suits : 32 Viking PS 2014	Day room No smokers : 1 off, A deck
Life Jackets : 30 Viking PV 9520	Mess room : 1 off, A deck
Tugger Winches : 2 x 10t	Hospital : 1 off, Main deck
Capstans : 2 x 10t	Laundry : 1 off, Main deck
Windlass/Mooring : 1 double 15t	Gymnasium : 1 off, Main deck
Cranes : TTS 3t@18m	
Waste Compactor : 1 off	
FIFI1 – 2 x monitors : 3.820m³/hr – 120m	



REEFER SOCKETS ON MAIN DECK:

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

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

220V SB behind accommodation



220V PS 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
- 2 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 Windserver 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

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
- 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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