



## - Edda Fjord General description



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Accommodation vessel



Multi purpose supply vessel ( MPSV)

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### GENERAL

Owner/Operator	Østensjø Rederi A/S, Haugesund
Built	July 2002
Builder	Flekkefjord Slipp og Maskinfabrikk
Classification	Lloyd's 100 A1, HELDK, LMC, UMS, DP (AA), LFL <43°C, CAC(S), EP(N,S), ERN(99,99,99), ShipRight "SCM", EP.
Safety Regulations	Norwegian Maritime Directorate Solas 1974/1978 International Convention on Load Lines Pollution Prevention - MARPOL 1973/1978 NLS Certificate ( to be approved)
Outline of Vessels	The vessel is a Multipurpose Platform Supply Vessel, designed with emphasis on high performance, low emission, efficiency, safety and economy. Flotel Construction work/Module Handling Cable- lay and repairs ROV and Survey Pipe transport and Supply duties Vessel is prepared for Oil Rec., Rescue and Firefighting I+II

### DIMENSIONS

Length incl Helideck	104.85 m
Length o. a.	98.16 m
Length b. p.	82.50 m
Breadth mld.	22.00 m
Depth mld.	10.00 m
Draft max	8.23 m

### TONNAGE - DEADWEIGHT

Tonnage	5886 GT
Deadweight	6600 tonnes summer dwt

### DECK LOADING CAPACITIES

Deck area	1270 m2 / 1450 with cargo rails removed
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Cargo Deck length	64,30m – 5 pipe lengths a' 12.2 m
Deck Cargo Capacity	3500 tonnes VCG 1,0 m above main deck without main crane on board.

#### DECK EQUIPMENT

Anchor Chain	20 shackles SB and 19 shackles PS 58 mm Grade NVK3 stud link chain
Anchors	3 off SPEK type (2 service + 1 spare)
Anchor Windlass	Two anchor windlass/mooring winches forward
Mooring Winch	Two anchor windlass/mooring winches forward
Capstans	Two capstans aft Karmøy Winch
Deck Cranes	Port: 1 x 100 tm / 10 t SWL @ 10 m – Make Hydramarine Starboard: 1 x 30 tm / 3 t SWL @ 10 m – Make Hydramarine 1 x 15 tm for provision – Make Effer 2 off 15 tonnes make Karmøy Winch
Tugger Winches	

#### BULK TANK CAPACITIES

Bulk Cement Tanks	5 tanks total 10.100 cbft = 408 m3.
Bulk Discharge	2 compressors each 26.6 m3/min at 5.6 bar (80 psi) Designed discharge rate 100 tonnes/hour each compressor

#### LIQUID TANK CAPACITIES

	Dedicated Tanks
Marine Gas Oil	2000,0 m3
Fresh Water	1400.0 m3
Drill Water/Ballast	2100.0 m3
Liquid Mud	1160,0 m3 SG 2.5
Slop tanks	80,0 m3
Misc. tanks	221,0 m3
Special Cargo	467,0 m3

#### LIQUID DISCHARGE

Fuel Oil	1 x 250 m3/hour at 10,0 bar
Fresh Water	1 x 250 m3/hour at 10,0 bar
Drill Water	2 x 250 m3/hour at 10,0 bar
Liquid Mud	4 x 75 m3/hour at 24,0 bar - 2 systems
Heavy Brine	2 x 160 m3/hour at 24,0 bar - 2 systems
Special cargo /Methanol	2 x 100 m3/hour at 10 bar
Mineral oil/ spec. prod	2 x 75 m3/hour at at 9 bar
Discharge piping	All discharge pipes are 5" diameter

#### PROPULSION

General	The vessel is equipped with two diesel-electric driven CP propellers(Ø4000mm) with variable rpm.
Propulsion motors	Two AC asynchronous water-cooled motors Each rating 4500 kW (6120 bhp) at 900 rpm Voltage 6600 V at 0-60 Hz Supplied from two frequency converters
Bore/Stroke	320 mm x 360 mm
Horse Power Rating	2 x 3600 kW + 1 x 5400 kW = 12600 kW
Fuel Type	Continuous operation on 180 cSt

#### SPEED/CONSUMPTION

Max Speed/Consumption	Min. 16,0 knots (at 6.0m/2x3750kW) 2 x 4500 KW 48 m3/day
Economy/Consumption	13 knots 24 m3/day

#### PROPELLERS

Make/Type	2 John Crane Lips Type PR 100 - variable pitch
Diameter/Speed	4000 mm - 153 rpm
Manoeuvring machinery	Two high-lift spade rudders Two steering gears for parallel and split running

#### THRUSTERS

Bow Thrusters	Two tunnel thruster forward each 1200 kW One retractable azim. thruster forward 1500 kW
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Stern Thrusters	Two tunnel thruster aft each 1000 kW
<b>AUXILIARIES/ELECTRIC POWER</b>	
Generators	2 x 3600 kW 1 x 5400 kW Voltage 6600 V at 60 Hz, Speed 720 rpm
Harbour generator	Rating 700 kW Voltage 450 V at 60 Hz Speed 1800 rpm
Emergency generator	Rating 140 kW Voltage 450 V at 60 Hz at 1800 rpm
<b>DYNAMIC POSITIONING SYSTEM</b>	
Type	Kongsberg Simrad Green-DP22 interfaced to: DPS 200 Seapath 200 Hipap 500 Fan Beam laser 3 gyros Radius
<b>BRIDGE/MANOEUVERING</b>	
Bridge Controls	4 complete bridge control stands
Loading/Discharging	Remote monitoring of all tanks including loading/ Discharging operations and start/stop of all pumps
<b>NAVIGATION EQUIPMENT</b>	
Radars	Furuno FR-2825, Arpa 3 cm Furuno FR-2835S, Arpa 10 cm Furuno FR-21 serie, Aft station & DP station
Electronic Chart System	Telchart 2025 w/C-Map vectorized electronic charts
Gyro Compass	3 off S.G. Brown Meridian
Autopilot	Robertson AP9 Mk III
DGPS	Leica D-GPS type Mk10
Navtex	Furuno NX-500
VHF-direction Finder	Taiyo TD-L1550A
Waether fax	Furuno FAX-208A
Echo Sounder	Furuno FE-700 with digital depth indicator
Log	Furuno DS-80 with remote displays
Voyage data recorder	Furuno VR 3000s
Helideck Monitoring system	Seatex HMS100
AIS	Furuno Felcom
<b>COMMUNICATION</b>	
General	GMDSS installation in accordance with IMO regulations for vessels operating within Sea Area A3
Radio Transceivers	Furuno MF/HF FS 1562-25
Radio Telex	Via InmarsatC type TA-730LPC
DSC Decoder	1 off Furuno DSC-60 MF/HF 1 off Furuno DSC-FM8500 VHF 1 off Furuno DSC-FM8700 VHF
VHF	4 off Sailor RT2048 – simplex 3 off Jotron Tron-GMDSS
UHF	10 off portable Motorola GP900, 6 channels with HelmetCom head sets
Free float EPIRB/COSPAS	1 off Jotron 40S 1 off Jotron 45 SX
Radar Transponders	2 off Jotron TRON-SART
Telefax	SatCom F
Mobile Telephones	2 off Nokia Premicell-GSM
EmSat	NEC S2, phone
Satcom F	ABB Saturn F, class II, phone & fax
Satcom C	2 off Furuno Felcom 15
Helicopter Communication	Fixed and portable VHF's and Radio beacon
SEVSAT	High speed data, phone, fax.

## ACCOMODATION

Total No. of Cabins	52 off with a total of 90 beds. Maximum 50 client personnel.
Single crew cabins	30 off single berth with bathroom
State cabins	4 off
Double cabins with sep. bedrooms	10 off with separate double bedroom and shared bathroom.
Double cabins	8 off double berth with bathroom
Office	Four offices + office space on bridge Client operation room Conference room
Hospital	1 off Hospital
Other	Hospital Sauna & gymnasium Two laundries
Ventilation/A-C for accommodation	High pressure single-pipe fully redundant ventilation system,
Fresh water production unit	Full heating/AC throughout the accommodation 2 x 20m <sup>3</sup> + 1 x 17m <sup>3</sup> pr day.

## LIFESAVING/RESCUE

Rescue-boat	Safety equipment according to 90 persons in total. NorSafe 655 w/170 hp engine
Liferafts	LSA Approved for 90 persons
Fire-fighting/foam	Unitor Water/Foam pump/monitor covering cargo deck area and Helicopter deck

## OTHERS

Helicopter deck	Helicopter deck designed for Super Puma (9,3 tons). Helideck designed and equipped in accordance with relevant authorities from Norway, Denmark, United Kingdom and Netherland. Helicopter monitoring system.
Helicopter Reception	1 off
Moonpools	1 off Moonpool 7,2 x 7,2 m with removable bottom hatch. 1 off Mini-moonpool, diameter 1200 mm prepared for Multibeam Echosounder
Offshore crane	100t @ 15m on single part / max 30 t @ 32 m 200t @ 9 m on double part / max 28 t @ 32 m Wire Max hooktravel 1560 m Active Heave Compensated Aux winch 10 t @ 35 m / Wire length 500 m
Anti heeling system	Automatic system type Framo Anti Heeling System. Capacity 2100 m <sup>3</sup> /hr @ 7000 mmwc

All specifications subject to change.