

Edda Fram - General description



GENERAL	
Owner/Operator	Østensjø Rederi A/S, Haugesund
Built	May 1987
Builder	A.M. Liaaen A/S, Ålesund
Classification	Det norske Veritas +1A1 EO Ice C Supply Vessel SF dk(+) HL(+) PMS ISM
Safety Regulations	Norwegian Maritime Directorate Solas 1974/1978 International Convention on Load Lines Pollution Prevention - MARPOL 1973/1978 INLS Certificate
DIMENSIONS	
Length o. a.	71.30 m 233.92 ft
Length b. p.	65.00 m 213.25 ft
Breadth mld.	17.50 m 57.50 ft
Depth mld.	7.30 m 23.95 ft
Draft max	6.20 m 20.30 ft
TONNAGE - DEADWEIGHT	
Tonnage	2348 GT (-69)
Deadweight	Abt. 3200 tonnes
DECK LOADING CAPACITIES	
Deck Measurements	42.00 m x 14.50 m 609.00 m2
Deck Cargo Capacity	Abt. 2300 tonnes
DECK EQUIPMENT	
Anchor Chain	25 shackles SB and 9 shackles PS 42 mm DnV K3 stud link chain
Anchors	3 off (2 service + 1 spare) stockless type
Anchor Windlass	Hydraulic combined windlass/mooring winch - heave rate 30.0 m/min - positioned 01 deck
Mooring Winch	Hydraulic 10 tonnes with declutchable drums and gypsies
Capstans	2 off 10 tonnes combined bollards/capstans positioned SB and PS aft
Deck Crane	Hydraulic pedestal mounted telescopic crane 2 tonnes SWL at 10.0 m outreach make Hydralift
Tugger Winches	2 off 10 tonnes
BULK TANK CAPACITIES	
Bulk Cement Tanks	5 tanks total 10.000 cbft.
Bulk Discharge	2 compressors each 22.5 Nm3/min at 5.6 bar (80 psi) Discharge rate 100 tonnes/hour each compressor
LIQUID TANK CAPACITIES	
	Dedicated Tanks Combined Tanks
Marine Gas Oil	793.5 m3 989.5 m3
Heavy Fuel Oil	291.0 m3 417.0 m3
Fresh Water	614.0 m3 1074.0 m3
Drill Water/Ballast	1122.0 m3 1461.0 m3
Liquid Mud	371.0 m3 SG 2.5 818.5 m3
Heavy Brine	536.0 m3 SG 2.5 907.0 m3
Special Cargo	107.5 m3 SG 2.5
LIQUID DISCHARGE	
Fuel Oil	2 x 150 m3/hour at 9,0 bar
Fresh Water	1 x 200 m3/hour at 9,0 bar
Drill Water	1 x 150 m3/hour at 9,0 bar
Liquid Mud	2 x 75 m3/hour at 18,0 bar - 2 systems
Heavy Brine	1 x 150 m3/hour at 20,0 bar
Discharge piping	All discharge pipes are 6" diameter
PROPULSION	
Main Engines	2 off Wartsila Vasa 6R32 - 6 cylinders
Bore/Stroke	320 mm x 350 mm
Horse Power Rating	3060 BHP totalling 6120 BHP at 750 rpm
Fuel Type	Continuous operation on 180 cSt

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SPEED/CONSUMPTION	
Max Speed/Consumption	Abt. 14.7 knots on abt. 21 tonnes/day
Economy/Consumption	Abt. 11.0 knots on abt. 7 tonnes/day
PROPELLERS	
Make/Type	2 off Liaaen - variable pitch 4 blades
Diameter/Speed	2800 mm - 200 rpm
THRUSTERS	
Bow Thrusters	2 off Liaaen each 800 BHP - thrust 19 tonnes
Stern Thrusters	2 off Liaaen each 800 BHP - thrust 19 tonnes
AUXILIARIES/ELECTRIC POWER	
Generators	2 off shaft generators each 2100 KVA 3 off auxiliaries - 2 x 400 KVA + 1 x 150 KVA
Electric Power	440 V/220 V - 60 Hz
DYNAMIC POSITIONING SYSTEM	
Type	Kongsberg Simrad SDP 10 DYNPOS system with MDL Fan Beam Laser reference system
BRIDGE/MANOEUVERING	
Bridge Controls	2 complete bridge control stands
Loading/Discharging	Remote monitoring of all tanks including loading/ Discharging operations and start/stop of all pumps
NAVIGATION EQUIPMENT	
Radars	Furuno FR-2130 3cm Furuno FR-2130 10 cm w/ARPA
Electronic Chart System	Telchart
Gyro Compass	Sperry 220 w/steering and bearing repeaters
Autopilot	Robertson AP9 GA
DGPS	Furuno GP 32 w/Differential GPS receiver
Navtex	Shipmate RS 6101
VHF-direction Finder	FD 521
Echo Sounder	Simrad ED 161B with digital depth indicator
Log	JRC-203 Doppler Log with remote displays
AIS	Furuno FA 100
COMMUNICATION	
General	GMDSS communication system in accordance with IMO regulations for vessels operating within Sea Area A2
Radio Transceivers	Skanti TRP 8751 HF SSB 800 watt Skanti TRP 6000 MF SSB 400 watt
Radio Telex	Skanti TT 1600
VHF	2 off Sailor RT2047 - duplex 3 off AXIS 250 GMDSS
UHF	3 off portable Motorola GP900, 99 channels with HelmetCom head sets
Free float EPIRB/COSPAS	2 off Jotron 30S Mk II 1 off Tron 45 SX
Radar Transponders	2 off Jotron TRON-SART
Watch Receiver	Skanti WR 6020
Telefax	Telefax for Cellphone
Mobile Telephones	Cellphone systems / Sat M
Sat. phone	FLEET 33
InmarSat C	1 off
Other	Telex / Telefax / E-mail
ACCOMODATION	
Total No. of Cabins	16 - including hospital
Crew Cabins	11 - single berth with toilet/shower
Supernumerary Cabins	4 - 1x6 berths and 3x2 berths
Office	Captain/Chief Engineer office
Other	Messroom/Dayroom/Laundry/Galley/Dry Provision/ Cooling/Freezing Rooms

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LIFESAVING/RESCUE

Approved lifesaving appliances for 22 persons

Rescue-boat

Liferafts

Fire-fighting/foam

Other

Semi covered MOB-boat for 22 persons

Total capacity for 66 persons

Unitor Water/Foam pump/monitor covering cargo deck area

Protection equipment/survival suits etc.

All specifications subject to change.