

EDDA FLORA

VESSEL SPECIFICATION SHEET



SUBSEA IMR, SURVEY AND ROV SUPPORT VESSEL

Edda Flora is designed for IMR and survey operations and came into operation in 2008. Edda Flora accommodation and office facilities are of very high standards, creating a good working environment for offshore crew and clients.

Edda Flora has proved to be a very efficient vessel for IMR and survey operations.

KEY VESSEL FEATURES

- DE-ICE NOTATION, WITH COVERED LIFEBOATS, MOB BOATS, BOW AREA AND HANGAR AREA
- 1 OBS-ROV & 2 WORK-ROV'S
- INTEGRATED LARS HANDLING SYSTEM FOR WORK-ROV IN ENCLOSED HANGARS
- ONE MOONPOOL FOR MHS OPERATIONS
- DROP KEEL
- SCR CATALYTIC REACTORS FOR REDUCED NOX EMITION TO AIR
- 50 TE AHC OFFSHORE CRANE; 100 TE ON DOUBLE FALL
- 750 M² DECK, 40M X 19M
- ACCOMODATION FOR 70 PERSONS TOTAL
- CLASSIFICATION: 1A1 ICE-C SF COMF-V(3)C(3) HELDK-SH DEICE EO DYNPOS-AUTR NAUT-OSV(A) CLEAN DESIGN DK(+)
- HL(2,8)LFL*, PMS, ISM
- HELIDECK FOR SIKORSKY S-92

GENERAL

SHIP NAME	Edda Flora
DESIGN	Subsea IMR vessel ST-254
OWNER	Østensjø Rederi AS
OPERATOR	Østensjø Rederi AS
CHARTERER	DeepOcean AS
BUILT	2008
BUILDER	Karmsund Maritime Service AS
CLASSIFICATION	1A1 ICE-C SF COMF-V(3)C(3) HELDK-SH DEICE EO DYNPOS-AUTR NAUT-OSV(A) HL(2,8)LFL*COMF-C(3)-V(3)NAUT OSV(A), HELDK-SH, PMS, ISM
IMO	9386380
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MAIN CHARACTERISTICS

LENGTH O.A	95,00 m
LENGTH B.P	82,20 m
BREADTH MLD	20,00 m
DRAFT, MAX	8,00 m
AIR DRAFT	Total height 37 m - Actual Draft
DEPTH MLD TO MAIN DECK	10,20 m
DRAFT, MIN	5,50 m
DRAFT DESIGN	6,00 m
SERVICE SPEED	13 kts
MAX SPEED	Approx. 16,5 knots

FUEL CONSUMPTIONS

MAX SPEED	Approx. 47 m ³ /24hrs
SERVICE SPEED	Approx. 21 m ³ /24hrs
DP MODE	Approx. 6 m ³ /24hrs
HARBOUR MODE	Approx. 2 m ³ /24hrs

MAIN EQUIPMENT

MAIN ENGINES	5 x Caterpillar 3516 C
NUMBER & POWER	5 x 2220 bkW @ 1800 rpm, total of 11 100 kW
MAIN PROPELLERS	2 x Voith Shneider VSP each 3800 kW
DRIVE TYPE SHAFT/ DIESEL-ELECTRIC	Diesel - Electric
AUXILIARIES	1 x Aux. Gen. Caterpillar 3508 TA, 968bkW @ 1800 rpm
EMERGENCY GENERATOR	1 x Harbor/emerg. Gen. Caterpillar C9
EMERGENCY GENERATOR CAP	1 x 189 bkW @ 1800 rpm
BOW THRUSTERS	2 x 1400 kw Brunvoll
TYPE	Super silent frequency driven and pitch propeller, Alconza el. Motors
AZIMUT	1 x 1400 kw Brunvoll
TYPE	Retractable azimuth thruster and pitch propeller Alconza el. Motor
STERN THRUSTER	Voith Schneider
TYPE	VSP, 2 x 3800 kW

CARGO CAPABILITIES (DECK)

MAIN DECK	750 m ² , 40 m x 19 m
DECK SPACE (WOODEN)	750 m ²
CARGO DECK STRENGTH	10 Te/m ²
DECK CARGO CAP. (TONNES)	1900 Te

DECK CRANES

OFFSHORE CRANE	SWL 50 Te @ 15m on single part, Hydramarine 100 Te @ 7,5 m on double part Max 15 Te @ 25 m Wire lenght 2000m Active Heave Compensated to 100 Te Aux winch(AHC) 10 Te @ 26 m Wire length 450 m Man riding SWL 5 Te
DECK CRANES	3 x 15 tm / 1,13 Te SWL @ 15,01 m 1 x 4 tm / 0,590 Te SWL @ 7,71 m

DECK EQUIPMENT

MOONPOOL	1 x Moonpool 7,2 x 7,2 m with removable bottom hatch
CAPSTANS	2 x 10 Te
HELIDECK	Helicopter deck designed for Sikorsky S - 92(9,3 Te), D-value: 21 Helideck designed and equipped in accordance with relevant authorities. Helicopter monitoring system.

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TANK CAPACITIES

FUEL OIL	1140 m ³
WATER BALLAST / DRILL WATER	2890 m ³
FRESH WATER	1187 m ³
SLOP 1 TANK :	50 m ³
UREA	122 m ³
MISC. TANKS	220 m ³

NAVIGATIONAL EQUIPMENT

RADAR 1	1 x Furuno FAR 2837S 10 cm with ARPA
RADAR 2	1 x Furuno FRC 2827 3 cm Chart radar with ARPA
RADAR 3	1 x Furuno FAR 2117BB 3 cm
AUTO PILOT	1 x Anchutz pilot star D
GPS	2 x Furuno Model GP-150 D-GPS
LOG	1 x Skipper EM log, type EML 224
AIS	1 x Furuno AIS, Model FA-150
ECHOSOUNDER	1 x Furuno type FE-700
GYRO	3 x Simrad GC-80
RADIO INSTALLATION	Furuno
INMARSAT C	2 x Furuno Felcom 15
VHF DSC	2 x Furuno FM-8800S

DYNAMIC POSITIONING SYSTEM

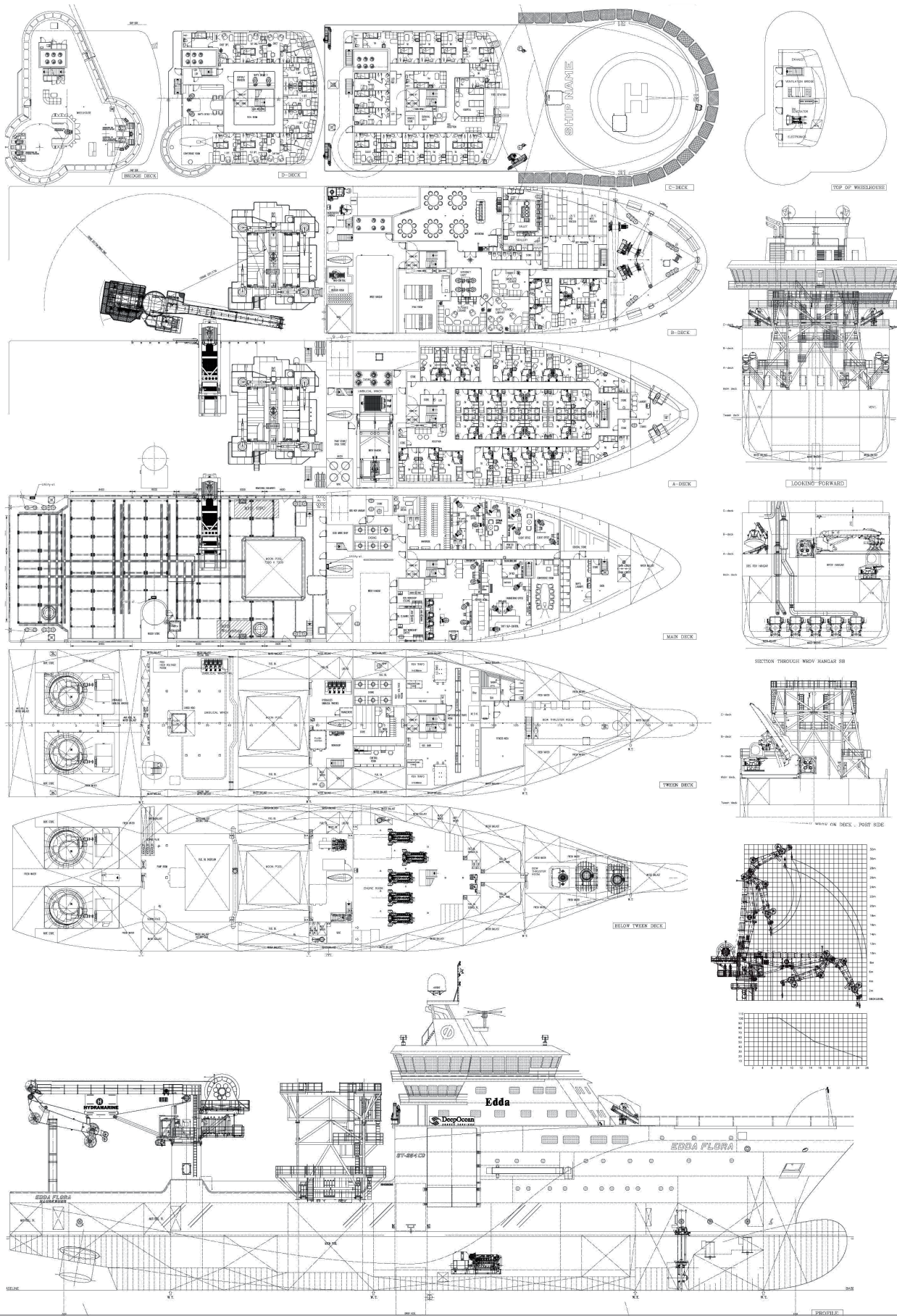
DP SYSTEM	K-Pos DP 2 Kongsberg, Dynpos AUTR
HPR	2 x HiPAP 500
DGPS	1 x Seaph 200, 1 x DPS200
CYSCAN	MDL 4,2 Kongsberg Radius 1000
GYRO COMPASSES	3 x Simrad GC-80
MOTION REFERENCE UNITS	1 x Seatex MRU 2, 2 x Seatex MRU 5, 1 x Ixsea Hydrins
WIND SENSORS	2 x WindObserver II Ultrasonic Anemometer, Gill Instruments

ACCOMMODATION

MESS ROOM	40 seats
RECREATION ROOM	1 smokers lounge 8 seats 1 TV lounge 20 seats 1 «library» lounge 12 seats, fitness room, internet café
CONFERENCE ROOM	2 conference rooms, (Main-deck and D-deck)
RECEPTION ROOMS	A-deck
CLIENT OFFICE	2 x client offices, Port Side, Main-Deck
OFFICES	7 offices, 3 on D-deck, 4 on main-deck
WORKSHOP	ROV workshops SB side Maindeck, deck workshop PS Maindeck, rigger store in crane pedestal main deck.
FITNESS AREA	Approx. 50 m ²
POWER SUPPLY	230 V, 60 Hz
TOTAL NUMBER OF BUNKS	70
SINGLE CABINS	48
2-MAN CABINS	11
MESSROOM / REC.ROOM	6
HOSPITAL	1, C-deck

VARIOUS SYSTEMS/EQUIPMENT

REVERSE OSMOSE CAPACITY	Enwa, MT-35T-SRH 2 x 35m ³ /day
ANTI HEELING SYSTEM	1 x Framo E 300 pump with capacity of 2000m ³ /h
INCINERATOR	TeamTech GS 500C
ROV SYSTEM	2 x Supporter 125 HP W-ROV with TMS system, rated to operate to 2 000 m. 1 stored in W ROV hangar, 1 on maindeck
MODULE HANDLING SYSTEM	30 Te SWL, max hook travel 2000 m Active Heave Compensation Three (3) Guide Wires, 5 Te SWL Active Heave Compensation



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SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE.

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