DEEPOCEAN

EDDA FLORA

VESSEL SPECIFICATION SHEET



IMR, SURVEY AND ROV SUPPORT VESSEL

Edda Flora is a versatile and highly experienced IMR, survey and ROV support vessel, purpose-built to provide a stable and efficient platform for complex subsea operations. The ST-254 CD vessel was developed in close cooperation between DeepOcean, Skipsteknisk and vessel owner Østensjø Rederi. Built in 2008, Edda Flora is owned by Østensjø Rederi and has been on long-term charter to DeepOcean since entering service.

Edda Flora combines a proven track record in IMR and survey operations with a stable and environmentally efficient working platform. The vessel is equipped with battery hybrid systems, SCR catalytic reactors and shore power connection, reducing fuel consumption and emissions. The Voith Schneider propulsion and active anti-roll system provide excellent stability for offshore operations.

The vessel features a 640 m² free deck area and a 50 Te active heave compensated offshore crane, with a capacity of 100 Te in double fall. Edda Flora is also equipped with one high-speed survey ROV mobilised in a dedicated enclosed hangar with an integrated launch and recovery system (LARS), and one work-class ROV mobilised on the back deck with an A-frame launch and recovery system.

KEY VESSEL FEATURES

- BATTERY HYBRID VESSEL WITH SHORE CONNECTION
- DP CLASS 2
- 1 X WROV
- 1 X SURVEY ROV
- INTEGRATED LARS FOR ROV IN ENCLOSED HANGAR
- 50 TE AHC OFFSHORE CRANE (100 TE IN DOUBLE FALL)
- 640 M^2 DECK AREA
- ACCOMODATION FOR 70 PERSONS TOTAL
- DROP KEEL
- SCR CATALYTIC REACTORS FOR REDUCED NOX EMISSION TO AIR
- DE-ICE NOTATION, COVERING MOB BOATS, BOW AREA AND HANGAR AREA
- HELIDECK
- MOONPOOL

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CLASSIFICATION

	DNV +1A1, BATTERY(POWER), SF CLEAN(DESIGN), COMF(C-3, V-3), DEICE, DK(+), DYNPOS(AUTR), E0, HELDK(S, H), ICE(C), NAUT(OSV(A)), DP2 - ERN 99.99.99.99
FLAG	NOR

POSITIONING

DYNAMIC POSITIONING	K-Pos DP 2 Kongsberg, Dynpos AUTR
REFERENCE SYSTEMS	2 x HiPAP 502, Seapath M 300-70, DPS 200, CyScan IV, Radius Quad

DECK EQUIPMENT

OFFSHORE CRANE	50 Te on single fall, AHC 100 Te on double fall, AHC Aux winch 10 Te AHC Personnel Lift SWL 5 Te
MOONPOOL	7.2 m x 7.2 m

FRB AND LIFEBOATS

LIFERAFTS	LSA approved for 70 persons 6 x 35 persons liferafts
RESCUE/MOB BOAT	Mare Safety, FRB 700 with 206 hp TTS Marine Davit HL9DP

HELIDECK

	Helideck design for maximum take-off weight: 12.8 Te D-value - 20.88 Helideck monitoring

ROV

SURVEY ROV	1 x 220 hp Kystdesign Superior in hangar Launch/recovery over the side
WROV	1 x 150 hp Kystdesign Installer on back deck Launch/recovery over the side

DIMENSIONS

LENGTH (LOA)	95.0 m
BEAM	20.0 m
DRAFT, MIN/DESIGN/MAX	5.5 m / 6.0 m / 8.0 m
DEAD WEIGHT	4 696 Te
GROSS TONNAGE	6 074 GT

DECK CAPACITIES

FREE DECK AREA	640 m^2
DECK CARGO CAPACITY	10 Te/m^2

PROPULSION

MAIN ENGINES	5 x 2 220 bkW Caterpillar Type: 3 516 CTA
THRUSTERS	2 x 3 800 bkW Voith Schneider VSP 2 x 1 400 kW Brunvoll Super silent frequency driven and pitch propeller 1 x 1 400 kW Brunvoll Retractable azimuth thruster and pitch propeller

ACCOMMODATION

	70 PAX 48 single cabins 11 double cabins 2 conference rooms 5 offices (incl. 2 client offices)

TANK CAPACITIES

DRILL / BALLAST WATER	2 890 m^3
FRESH WATER	1 187 m^3
FUEL	1 140 m^3

CONSUMPTION

TRANSIT ECO 9.2 KTS	17 - 18 Te/day
DP OPERATIONS	7 - 8 Te/day
IN PORT (SHORE CON.)	0 Te/day
IN PORT	2 - 3 Te/day

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