

A-LARS ANCHOR LAUNCH AND RECOVERY SYSTEM TYPE 250



A-LARS in parked position, ready for operation

DECK MACHINERY

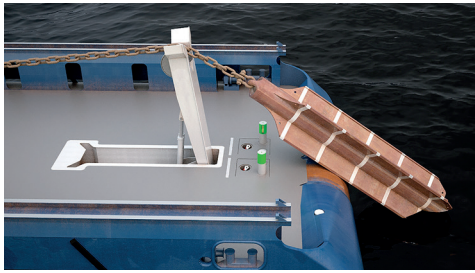
Technical specification Safer deck operation A-LARS, anchor launch and recovery system type 250

A-LARS, anchor launch and recovery system

- Reduces forces during anchor recovery and launching of torpedo and anchors
- Compact design for easy installation and low cost
- Low impact on hull structure
- Weight saving compare to other systems
- Flush with deck when not in use
- Mechanical designed according to DNV's standard for lifting appliances, October 2008
- Interfaced to TowCon control system



Anchor in launching position



Launching anchor by raising A-LARS



A-LARS in max position, anchor in water

Technical specification

Designed for torpedo anchors up to 130 tons weight.
 Max towline tension static: 250 tons
 Dynamic factor : 1,5
 Regular movement: 0 - 130 degrees

The system is based upon a lifting beam with a free rotating roller on the end, actuated by four hydraulic cylinders and a power pack. When not in use the beam is enclosed in the housing.

The complete unit is made ready for welding into the hull.

Hydraulic operated hatch for roller.
 Estimated time from lower to maximum erected position: approx. 80 seconds

El. hydraulic power pack

Power consumption: 2 x 153 kW

Heat exchanger: plate cooler, fresh water cap. approx. 50 kW

Hydraulic pipes: double hydraulic hoses with sensors

Power supply options:
 440V - 60 Hz or 690V - 60 Hz
 380V - 50 Hz or 440V - 60 Hz
 575V - 50 Hz or 690V - 60 Hz

Integrated in TowCon RT control system

Control of A-LARS is integrated in TowCon RT control system, and is controlled from a Speed Controller placed in the chair or panel on bridge. All vital information is presented on screen.

By integrating control of the A-LARS in TowCon RT, the operator can control both the A-LARS and the winch from the same workstation. This enables the operator to have full focus on the anchor handling job, and brings the anchor handling operations to a higher safety level.

Options

For vessels without TowCon RT, a stand alone control system for the A-LARS can be delivered.



Winch operators chair with integrated controls

