

A-FRAME LARS, 1000 METER LIFTING UMBILICAL & 20FT CONTROL CONTAINER

A-Frame LARS

Hydraulic fluid: Vegetable oil

Volts: 220

Amps: 11

Weight: 1000lbs/453kgs

Control container/workshop

Dimensions:

Length: 20ft/6.06m

Width: 8ft/2.44m

Height: 8ft 6"/2.59m

Gantry lift weight:

3300 lbs/1500kgs

Monitors:

- 5 x Samsung 22" HD LCD

- 1 x Panasonic 42" Plasma

Computer racks

- 1 x 19" 38RU

- 1 X 19" 10RU

Lifting umbilical winch

Umbilical length: 4200ft

Working load: 800lbs

SeaView Systems developed our Launch and Recovery System (LARS) and 1000m lifting umbilical winch in order to allow us to easily deploy the ROV system inside our 20ft control container workshop. The LARS can be removed from the control van using a gantry system built into the container. Once assembled, the winch can pick either the ROV alone or the ROV deployed inside an aluminum deployment cage. Once at depth, the ROV flies out of the cage with 150ft of tether.

The controls on the LARS are simple hydraulic levers, the hydraulic fluid is environmentally friendly canola oil and the winch is electrical. Options that are available are a banana sheave system, a hydraulic dampening system on the sheave to take out shock loads and a dynamic heave compensation system. This allows us to operate from most vessels commonly used in the offshore marketplace in sea states of up to 5 or 6.

