

## Diving Handling Systems LARS - Launch and Recovery System



**The IHC Hytech Launch and Recovery System (LARS)** is a dive handling system designed to handle a dive cage with two divers with two air bottles of 50 liters. The lifting height is 100 meters. The LARS System with Cage & Clump is a self containerized unit on a 20 feet long footprint. The diving control station (optional) is located in one of the IHC Hytech containers.

### Highlights

- **Easy to transport**

The system is easy to transport, because of the small dimensions and a total weight of only 4.2 metric tons. The system can be transported in a 20 feet ISO container.

- **Safety philosophy**

Clump winch can raise manned cage in case of emergency (back up). Triple braking systems on each man-ride winch. All winches are located within the base frame.

- **Easy to operate**

The system is controlled via a control panel on the base frame.

- **Lloyds certified and meets the IMCA rules**

- **Marine working environment**

- **Heavy duty parts**



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### Specifications

#### Weights

Maximum Safe working load LARS	940 kg. (clump, cage, two divers, tools, bottles)
Weight total system including cage and two bottles	4200 kg.

#### Technical Design Data

Lifting according to Lloyds lifting appliances in marine environment.	
Diving according to IMCA D014 and D023.	
Duty factor	1.2
Hoisting factor	1.7
Offlead/Sidelead	10° / 10°
Operating temperature	-20 ° till 50°C
Lifting speed	0.25 m/s (IMCA Requirement)
Lifting height	100 meter

#### Power

Power required	440 VAC-3Ph + PE, 32 A
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