

Launch And Recovery System (LARS)



DEPTH CAPABILITY: 70 meters
BASKET/CAGE CYLINDER: 1x50 Liter @ 200 Bar
HPU ELECTRICAL REQUIREMENTS: 380-440V 3PH 50/60 Hz
OIL CAPACITY: 2x120 Liter (per tank)
HYDRAULIC WORKING PRESSURE: 150 Bar
COOLING: Saltwater cooling System for the hydraulic oil

The diver's **Launch and Recovery system** consists of a robust, rigid, and heavy base, A-frame with a diver basket and guide weight. It is designed to deploy and recover two divers to the required working depth. Two lifting winches are mounted on top of the aft frame, providing easy access and safe operation for personnel.

The Diver **Launch And Recovery System(LARS)** complies with IMCA D023 - Diving Equipment Systems Inspection Guidance Note (DESIGN) for surface-orientated (air) diving systems. Available **ABS Classed** or with **ATEX-rated** configuration, depending on project requirements.

SPECIFICATION:

LARS ASSEMBLY DIMENSION (A-Frame & Basket):

- Length: 3845 mm, Width: 2000 mm
Height: 4310 mm
- Gross Weight - 5250 KGS

LARS ASSEMBLY DIMENSION (IN STOWED POSITION):

- Length: 3845 mm, Width: 2000 mm
Height: 2170 mm

LARS BASKET:

- DIMENSIONS: Length: 1200, Width: 1200
Height: 2400
- MATERIAL: MILD STEEL (MS) OR STAINLESS STEEL (SS) as requested

HYDRAULIC RAM/CYLINDERS

- BORE DIA: Ø80mm
- PISTON ROD: Ø56mm
- STROKE: 1625mm
- CLOSE LENGTH: 1955mm
- OPEN LENGTH: 3020mm

2 UNITS ELECTRIC MOTOR

- Each unit: 15 KW, 20 HP, 30 A, RPM 1745, 60 Hz, 380 to 440 V

MAN RIDING: MAIN WINCH

- Wire Description: 13MM DIA 19 X 7 GALVANISED WSC 100 MTR. NON-ROTATING STEEL WIRE ROPE
- Safe Working Load (SWL): 1000 kg

MAN RIDING: SECONDARY RECOVERY WINCH

- Wire Description: 13MM DIA 19 X 7 GALVANISED WSC 180 MTR. NON-ROTATING STEEL WIRE ROPE
- Safe Working Load (SWL): 1500 kg

FEATURES:

- Base Skid and A-Frame
- (A-Frame & Basket)
- Two independent hydraulic power units
- Two hydraulic Man-riding Winches