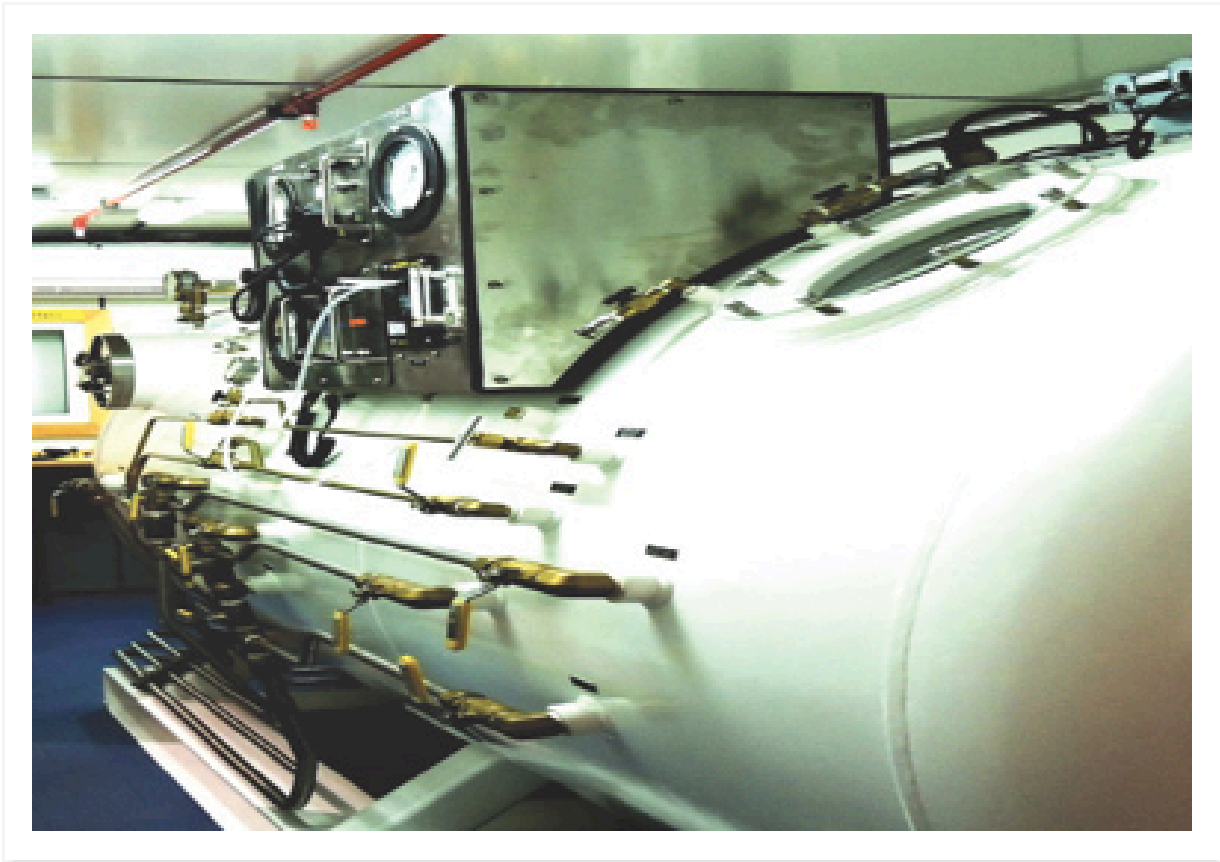




## AIR DIVING SYSTEM

This diving system utilizes a standard atmospheric mixture of oxygen and nitrogen for the diver's breathing needs and is restricted to depths not exceeding 190 feet (58 meters). Air Diving Systems include Dive Control Systems, Decompression Chambers, as well as areas for equipment storage and machinery. These systems adhere fully to IMCA regulations D018, D023, and D040.



### MAIN COMPONENTS

- ▲ Diving Launch & Recovery System (LARS)
- ▲ 20' DDC (Deck Decompression Chamber) Container
- ▲ Air Dive Panel
- ▲ 20' Container (HP Compressor and Air Banks)
- ▲ Zodiac (Semi Rigid Boat).
- ▲ Hydraulic Power Pack
- ▲ S.R.P (Scuba Replacement Panel)
- ▲ Diesel O.B.M
- ▲ Single Scuba
- ▲ Oxygen Analyser
- ▲ 300/600ft Floating Umbilical
- ▲ Air Radio
- ▲ KMB
- ▲ DC Powered Portable Video system for Zodiac.



# SPECIFICATIONS

## DDC SPECIFICATIONS

Length :	3620mm
Width :	1770mm
Height :	1927mm
Internal Dia :	1500mm
Depth Rating :	100 meters seawater 4100L
Volume Main Lock :	1800L
Volume Entry Lock :	2900 kg
Approx. Weight :	

## SYSTEM POWER REQUIREMENTS

Power Supply:	415/400 V, 3 Phase, 50/60Hz,110 KW
Power supply for the container:	220 V, single phase, 50/60 Hz,32 A

## EMERGENCY POWER REQUIREMENTS

Power Supply:	415/400 V, 3 Phase, 50/60 Hz,60 KW
Power supply for the container:	220 V, single phase, 50/60 Hz,32 A

## MACHINERY CONTAINER

Length :	6058mm
Width :	2440mm
Height :	2465mm

**Equipped with 3 x HP Breathing Air Compressors,  
L&W Model 570E Compact 56 x 50L, 200 bar storage cylinders**

## LAUNCH & RECOVERY SYSTEM(LARS)

Length :	3500mm
Width :	2140mm
Height :	4500mm
Weight:	4000 kg

**Rugged 1.3 ton rated A-frame for lifting the basket and guide-weight  
Hydraulic rams with stainless steel shafts for luffing the A-frame**

## DIVING BASKET

**Dimensions:** 1200 L X 120 W X 2385 H  
**Storage space for 10 m3 on-board emergency gas in a single 50 litres 200 bar cylinder.**

**Pay load – 400 kg, Total Gross Mass -1000 kg**

## MAIN WINCH

<b>Maximum lift capability:</b>	1.0 Ton
<b>Maximum lifting speed:</b>	up to 18m/minute
<b>Wire length:</b>	80m
<b>Drive system:</b>	Direct hydraulic

- Braking:**
- Shaft mounted non rotating multi disc internal motor brake.
  - Hydraulic over-centre valve
  - Automatic hydraulic band brake

## GUIDE WEIGHT WINCH

<b>Maximum lift capability:</b>	0.65 Ton (650 kg)
<b>Maximum lifting speed:</b>	up to 36m/minute
<b>Wire rope diameter:</b>	10mm
<b>Wire length:</b>	160m
<b>Drive system:</b>	Direct Hydraulic

