



ASC

Air Diving System

IMCA D023 DESIGN COMPLIANCE 50M SURFACE SUPPLIED AIR DIVING SYSTEM

AS07C, AS08C & AS12C are built to class standard.
 Each system contain 3 x 20ft container c/w 2 x hydraulic LARS.

Design Standard



PHVO & ASME VIII

Classification



American Bureau of Shipping

Test./Cert. Guideline



International Marine
Contractors Association

Operator



Subsea Worldwide Solutions
Sdn. Bhd.

PRINCIPAL PARTICULARS

Asset Number : AS07C, AS08C & AS12C
 Builder : M.O.S. Marine Offshore Services
 Class : American Bureau of Shipping (ABS)
 Audited to : ABS and IMCA D023

DIVE CONTROL VAN

- 3 man Air/Gas Panel
- Power rating 220V, 32 Amp.
- Analox 101D2 Oxygen Analyzer.
- Split unit Air Con : 2 x 1800 BTU 220V 50/60Hz.
- Amron Dive radios and Aiphone Master Station with 5 slave station communications.
- 1 x CCTV/underwater TV System complete with Flat 19" Flat Screen Monitors,
- 2 x DVRs (HDD 500GB), Quad splitter and Weather Proof Surveillance Camera.
- Safety features : DP alarm & light, BA set, first aid kit & fire emergency safety equipment.

Disclaimer: This brochure is for promotional purposes only. All details are provided in good faith but without guarantee; Specifications are subject to change without notice and do not constitute an offer or contract. Interested parties are advised to verify all information through direct inspection of the system.
 Last revised: May 2026



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DECK DECOMPRESSION CHAMBER (DDC) CONTAINER

- Containerized 60" Twin Lock DDC with Double Medical Lock and interlocking complied with ABS, ASME VIII & PVHO.
- Split unit Air Con : 2 x 1800 BTU 220V 50/60Hz.
- Power rating 220V, 32 Amp.
- Analox 101D2 Oxygen Analyzer.
- Analox Sub Aspida CO2/O2 Analyzer
- BIBS with overboard dump
- 1 x Aiphone Slave station.
- 2 x stainless steel bunks with fire retardant mattress
- Medical lock with safety interlock system
- Safety features : DMAC 15 kit, BA set, first aid kit & fire emergency safety equipment.

MACHINERY VAN

- Container c/w 440v Incoming Power / Emergency Switch over junction box.
- Step Down Transformer 440v/220v
- Emergency lights, exhaust ventilation fan, first aid kit & fire emergency safety equipment.
- 2 x LP Compressor : 440v 50/60Hz electrical driven Quincy 5120 with 120 gallons volume tank and Hankison Filters.
- 2 x HP Compressor : 440v 50/60Hz Electric driven Bauer Mariner 320 with output capacity of 11.3 cfm.
- 1 x Tooling hydraulic power pack (electric driven) with capacity of 18-20 GPM.

SYSTEM OPERATIONAL REQUIREMENTS

- Primary Power 3phase, 440V, 50/60Hz, 180A
- Secondary Power 3phase, 440V, 50/60Hz, 60A



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LAUNCHING AND RECOVERY SYSTEM (LARS) - 2 UNITS

- 2 x Man Riding Winches - 1.4t MRC (*Maximum Rated Capacity*) for Dive Basket, 1.4t MRC for Clump Weight; wires 100/200m non rotating wire [Galv Grade 1960 MPa].
- 1 x electric driven weather proof hydraulic power pack complete with 42 gallons steel tank and accumulator.
- Diving Stage with ABS approved Engineering Design for main & secondary lifting pad eyes complete with certified 1.0 meter secondary recovery sling.
- Dive Basket with 2 x 50 liters air cylinders complete.

KEY : FEATURES

- ✓ Conform to IMCA D 014 International Code of Practise for Offshore Diving.
- ✓ Conform to audit criteria of IMCA D 023 Diving Equipment Systems Inspection Guideline Note [DESIGN] for Surface Diving System.
- ✓ Double-Lock Air Compression Chamber with minimum internal diameter of 60-inches and the Medical Lock on the Inner Chamber.
- ✓ Two HP compressors & Two LP compressors, mainly for continuous back-to-back diving operations.
- ✓ The Surface-supplied Air Diving Systems including umbilical supplied breathing apparatus, communication sets, power generators are adequately support surface diving operations to 50 MSW.
- ✓ Air Dive Spread System is offered in a standard 20FT ABS / DNV 2.7-1 container completes with offshore lifting pad-eyes and DNV certified 4 legged lifting slings with master link.
- ✓
 - Three diver's umbilicals (3 x 200m).
 - 2 x KM-37 helmets, complete with connections.
 - 1 x KMB-18B band-mask, complete with connections.
 - 3 x 80ft³ emergency air bail-out cylinders, complete with connections & back packs.
 - 3 x 1st stage SCUBA regulators c/w hoses & content gauge.

DIVER 1

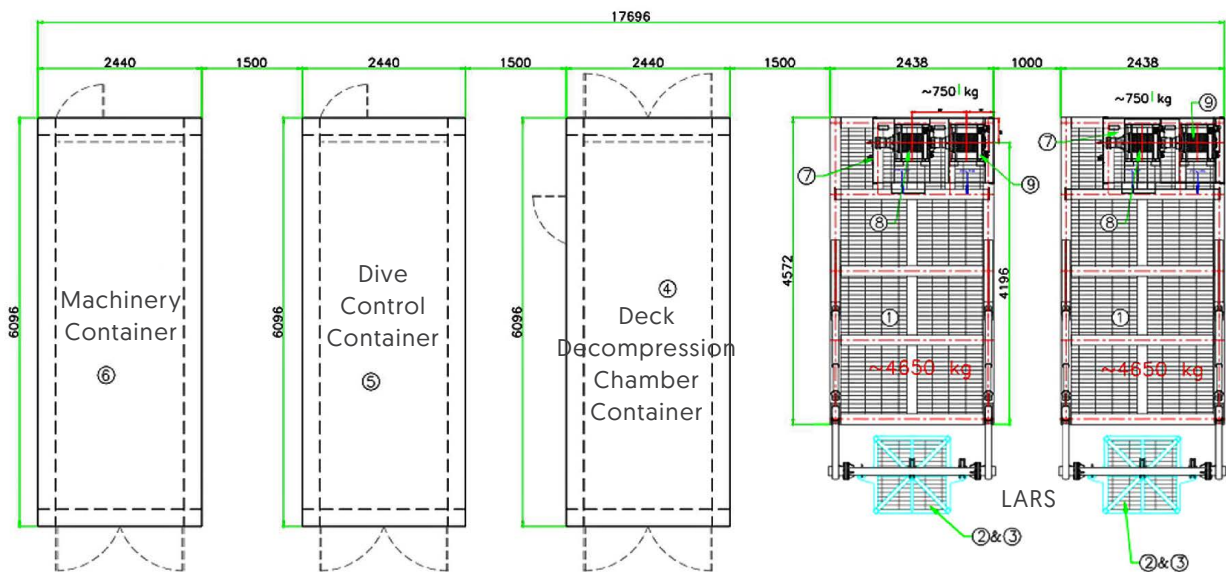


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COMPONENTS

Machinery Container	10000 KG
Dive Control Container	8000 KG
Deck Decompression Chamber Container	9000 KG
Launch & Recovery Systems (LARS)	4650 KG
Fully Extended - Operational Mode	
Fully Retracted - Transport Mode	

WEIGHT

DIMENSION (L X W X H)

.....	6096 x 2440 x 2473 mm
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.....	6096 x 2440 x 2473 mm
.....	4572 x 2438 x 3642 mm
.....	4572 x 2438 x 2480 mm

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