

EQUIPMENT SHEET

AIR/MIXED GAS DIVING SYSTEM
SYSTEM 033 AND 034



FEATURES

Modular Air Dive System 033 and 034 are an Air and Mixed Gas Diving spread that come in two 20 ft containers (each) with one Launch and Recovery System (LARS) capable for diving to 75 m, 2 x 130 m diver umbilicals, Air, O₂ and gas quads. The Deck Decompression Chamber (DDC) and Dive Control are located in one 20 ft container. The workshop, compressors, hydraulic power pack and spares are located in the second 20 ft container. The system comes with a Hydraulic Power Pack with 120 m hose for subsea tools.

The diving systems have been designed to ensure maximum flexibility to perform work across all key subsea markets. The systems are compact and optimized for installation on-board offshore rigs, barges and dive support vessels.

The gas diving systems feature a unique video management system that delivers superior operational output of performance in high definition

available on demand to our clients.

IMCA DO37 compliant.

Designed for fast mobilisation/demobilisation, plug and play units.

Separate 20 ft Dive control and Chamber control container.

Separate 20 ft Workshop/ Compressor and spares container (Optional 10 ft container).

DIVE CONTROL

3 Man Mixed Gas Diving System (2x In-water 1 x Surface Standby) up to 75 MSW

NET-MC video management system, 8x8 distribution & overlay

CCTV system for diver hat camera, ROV and deck

High intensity diver hat light c/w dimmer

HD Video distribution (client, ROV, deck, bridge, survey) (optional)

Round Robin communication system Deck- Bridge hard wired (optional)

Umbilicals 2x 200 m surface, 2x 50 excursion umbilicals

DP alarm indicators (optional)

Durable environment (temperature) control

PRESSURE CHAMBER

Chamber 60 inch, twin compartment

Design code PD5500: 2000 CAT.2

Build as per class Lloyd's Register



WORKSHOP MACHINERY

Power distribution panel 380 V-440 V AC input

HP Compressor 230 bar at 15 CFM

LP Compressor 12 bar at 60 CFM

Hydraulic power pack 30/40 LPM with umbilical and tooling

Remote DC 600 AMPs Breaker for Welding Burning Operations

Hydraulic power pack 30/40 LPM with umbilical and tooling

DIMENSION/POWER REQUIREMENTS

Power Requirement 380-440 VAC @ 50/60 Hz (120 kVA)

Dive Control Container L - 6.06 m, W - 2.44 m, H - 2.59 m

Machinery Container L - 6.06 m, W - 2.44 m, H - 2.59 m

Deployment Stage (LARs) L - 3.60 m, W - 2.40 m, H - 3.62 m

Deployment Stage (wetbell) L - 6.60 m, W - 3.20 m, H - 4.70 m

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- A** Containerized dive system with LR-80 LARS on deck of an anchor handler
- B** Dive supervisor running a dive from Dive Control
- C** 60" DDC as installed in Dive Control container
- D** LR-50 LARS being tested