



## SATURATION DIVING SYSTEM

# SAT VI

The CCC (Underwater Engineering) SAT VI Saturation Diving System is ABS Classed and is designed for operations down to a maximum depth of 200 m. The system can accommodate 6, 9 or 12 divers in order to achieve 24 hour back-to-back diving operations. SAT VI comes with its own Hyperbaric Rescue Chamber (HRC), designed to evacuate divers in saturation should the marine spread be at risk from fire or sinking. Being composed of modules, SAT VI can support a wide range of subsea operations, ranging from heavy to light saturation. SAT VI complies with IMCA Guidelines (IMCA D018 & IMCA D024).



## SYSTEM HIGHLIGHTS

- ▲ Maximum working depth of 200 m.
- ▲ Capacity to hold six, nine or twelve men in saturation, single or double DDC each 6 man chamber. System includes 3 man diving bell.
- ▲ System includes a 15 man Hyperbaric Rescue Chamber (HRC).
- ▲ System can be configured in a variety of ways (i.e. in line, side by side or at right angles).
- ▲ A-Frame launch system for the diving bell (SWL 12 Tons).
- ▲ Area occupied by the SAT system is approximately 255 m<sup>2</sup> (inclusive of all auxiliary equipment).

# SYSTEM SPECIFICATIONS

## DDC SPECIFICATIONS

Year of Manufacture: 2015  
 Working Pressure: 20 Bar  
 Over Test Pressure: 30 Bar  
 Internal Diameter: 2133 mm  
 Volume: 24.1 m<sup>3</sup>  
 Personnel Capacity: 6 Man  
 Quantity: 2 Nos.

## DIVING BELL

Year of Manufacture: 2015  
 Design Depth: 200 meters  
 Working Pressure: 20 Bar  
 Over Test Pressure: 30 Bar  
 Personnel Capacity: 3 Man  
 Volume: 6 m<sup>3</sup>  
 Length: 2450 mm  
 External Diameter: 1945 mm

## BELL LAUNCH AND RECOVERY SYSTEM

Type: A-Frame  
 Winch Capacity: 12 Tons  
 Wire O/D: 36 mm

## BELL MAIN UMBILICAL

Length: 250 m  
 Umbilical O/D: 118 mm

## UMBILICAL SERVICES

- 4 x 1/4" Pneumo Lines
- 2 x 1/2" Gas Supply Lines
- 1 x 3/4" Reclaim Line
- 1 x 3/4" Hot Water Line
- 1 x 3/4" Exhaust Line
- 4 x Mini TV Cables
- 2 x Power Cables
- 2 x 14 Core Communication Cables

## HYPERBARIC RESCUE CHAMBER

Year of Manufacture: 2015  
 Max Working Pressure: 20 Bar  
 Over Test Pressure: 30 Bar  
 Personnel Capacity: 15 Man  
 Life Support: Independent  
 Volume: 16.6 m<sup>3</sup>  
 Weight: 16.8 Tons

## HRC LAUNCH AND RECOVERY SYSTEM

- Crane Launch
- Winch Launch
- Float Out
- Tow Out Using Independent Vessel

## LIFE SUPPORT / ENVIRONMENT SYSTEM

- Oxygen Analyzers
- Carbon Dioxide Analyzers
- Hydrocarbon Dioxide Analyzers
- Chillers
- Scrubbers
- Sanitary Facilities
- Reclaim System
- 2 x Hot Water Machines

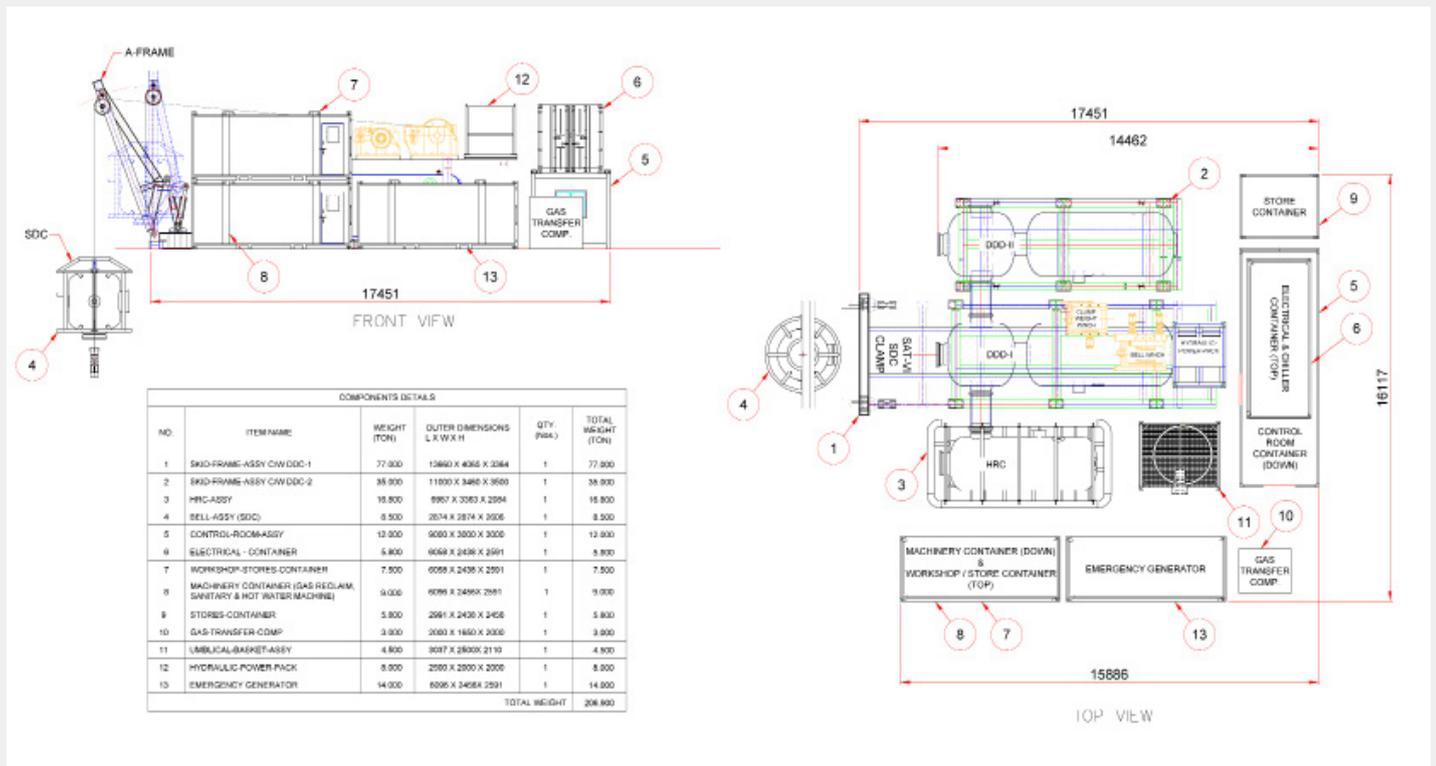
## SYSTEM POWER REQUIREMENTS

415V~440V, 3Φ, 50/60 Hz, 415 kW

## EMERGENCY POWER REQUIREMENTS FOR BELL RECOVERY

415V~440V, 3Φ, 50/60 Hz, 180 kW

# SYSTEM LAYOUT



Note: The technical specifications presented within this document are subject to change without prior notification. The information presented within this document are believed to be correct, but no guarantees of accuracy can be given.