



200m Saturation Diving System: OWA 200SAT-3

MAIN PARTICULARS

Owner : Ocean Works Asia Inc.
Last Update : Oct. 2011
Builder : Ocean Works Asia Inc.
Class Society : Nippon Kaiji Kyokai (Class NK)
Design/Testing Standard : IMCA D 018 / 024

SYSTEM COMPONENTS

Diving Bell (SDC)
Bell Launch and Recovery System (LARS) with main skid
6 man Living Chamber 1 (LC-1 / DDC)
4 man Living Chamber 2 (LC-2 / HRC)
4 man Living Chamber 3(LC-3 / Come Out DDC)
HRC Launching System
Control Van (CV)
Life Support Van (LSV)
Reclaim and Hot water Cabin
Main Umbilical Basket and Emergency Umbilical
Power Station & Store Cabin
Winch
Hydraulic Power pack
Maintenance Cabin
HRC Control Cabin for Flyaway

SYSTEM PARTICULARS

DIVING BELL

Capacity : 3 man
Diver Lock-Out : 2 divers
Hat Mounted Camera : 2
Volume : 4.5 m³
Mating to DTC : Side
Pressure Rated : 20 kg/cm²
Diving Helmets : SL17C Reclaim Hat

LARS

Outreach : 2.5 m
SWL for A-Frame : 10.6 ton
SWL for winch : 9.0 ton
SWL for tugger : 1.75 ton

LC-1/DDC

Capacity : 6 man
Volume : 23 m³
Pressure Rated : 20 kg/cm²

LC-2 / HRC

Capacity : 4 man
Volume : 12.3 m³
Pressure Rated : 20 kg/cm²

LC-3 / Come Out DDC

Capacity : 4 man
Volume : 15.9 m³
Pressure Rated : 20 kg/cm²

HRC SYSTEM

Type : Float Away Chamber
Launch System : Over Side / Crane Lift
Capacity : 12 man
Control Van : Dedicated Unit w/ Umbilical



HTRC LAUNCHING SYSTEM *OPTIONAL

Type : Rotary Type
Outreach : 2.0m
SWL : 13.8 ton
Limit Height of Deck Level : 8.5 m
Running Distance : 4m
Running Speed : 4m / min
Winch Speed : 3m / min

CONTROL VAN

Diver Gas Control system c/w Gas Analyzers
Diver/Bell Control
Diver Video Recording Unit
Chamber Control
Chamber Monitoring System

RECLAIM SYSTEM

Type : Gasmizer for 2 divers
Pumps : Haskel Gas Booster Pumps

LIFE SUPPORT MACHINERY

Pot Hot Water Unit : Air Driven
ECU Units : 4 x Control Master Unit
Scrubbers : Build in LC

DIVER HOT WATER UNIT

Driven : Electric Heater
Supply : 2 divers
Heating SDC

SERVICES REQUIRED

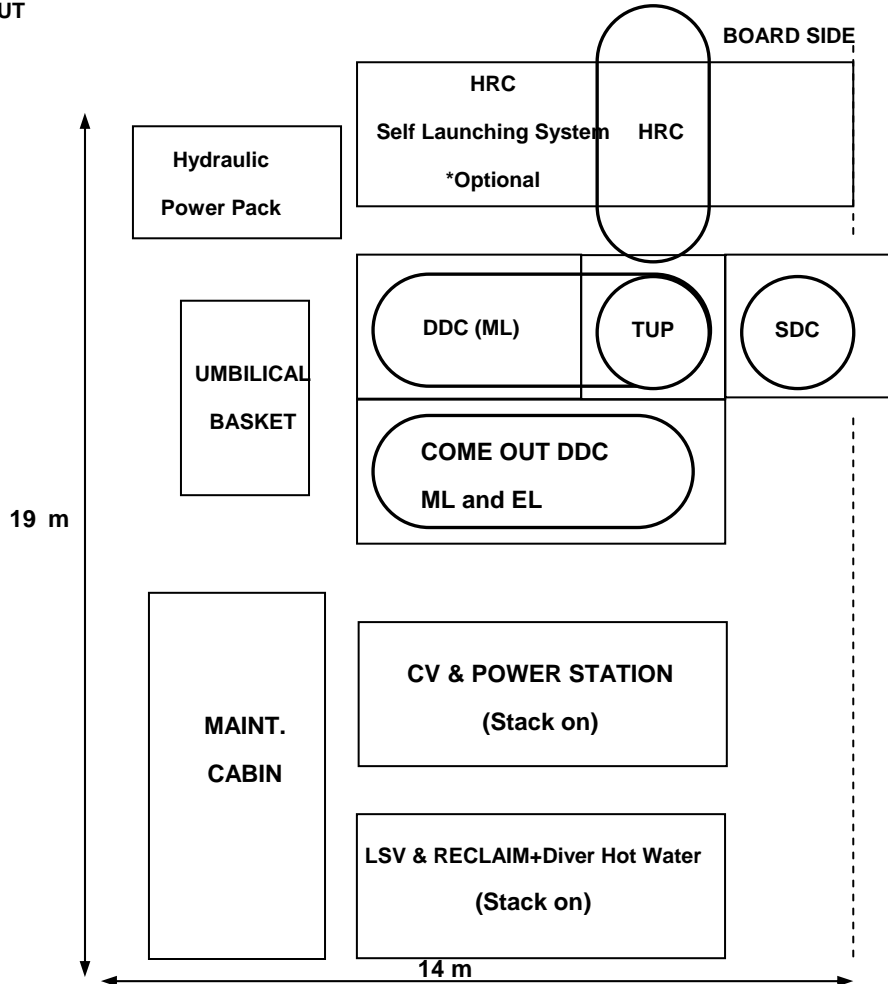
Electric : 440V-AC 60Hz/300kva
Emergency Generator : 440V-AC 60Hz/300kva
Compressed Air : 7kg/cm²/15 m³
Sea Water(Cooling) : 200L/min
Fresh Water : 100L/man/day

✓ Specifications subject to change without notice



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GENERAL LAYOUT



DESCRIPTION	DIMENSIONS (L x W x H)	WEIGHT(TON)
Diving Bell (SDC)	: 2350 x 2120 x 2500	8.0
Bell Launch and Recovery System (LARS)	: 4000 x 2850 x 5430(Max High)	13.0
6 man Living Chamber 1 (LC-1/DDC)	: 7000 x 2850 x 3000	27.0
4 man Living Chamber 2 (LC-2/HTRC)	: 5035 x 2515 x 2630	12.0
HRC Launching System-2	: 8200 x 3370 x 6510(Max High)	32.0
Come Out DDC	: 5220 x 2800 x 3120	14.0
Control Van (CV)	: 6000 x 2400 x 2600	7.0
Life Support Van (LSV)	: 6000 x 2400 x 2600	8.0
HRC Control Cabin	: 3000 x 2400 x 2600	5.0
Reclaim + Diver Hot Water Cabin	: 6000 x 2400 x 2600	8.0
Main Umbilical Basket	: 3600 x 2300 x 1500	3.5
Power Station + Store Cabin	: 6000 x 2400 x 2600	7.0
Maintenance Cabin	: 6000 x 2400 x 2600	7.0
Winch with winch skid	: 2000 x 2500 x 1440	9.0
Base Skid (2 each)	: 9500 x 3000 x 300	2.0