**DIV**

**DIV Diving Engineering Co., Ltd**

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**SAT8 180msw/9 man**

**Saturation Diving System**

**Specifications DIV**



**DIV Diving Engineering Co., Ltd**

**SAT8 180msw/9 man Saturation Diving System**

### MAIN PARTICULARS

Year built 2014

Builder FDI

Class Society ABS(tank age)

Testing/Certification IMCA D018/D024

Standard



### COMPONENTS

Weight Dimensions (L\*W\*H)

Main Module with Diving Bell 68t 12192\*1962\*6400

Saturation Control Van 7.5t 3048\*3048\*7010

HRC 15t 3048\*42672

HRC Control Van 3t 3048\*2438\*2590

Main Umbilical Basket 3t 2438\*2438\*1371

Emergency Umbilical 1t 1000\*1000\*2000

Stores/Workshop Container 7t 6096\*2438\*2438

Machinery Van 10t 3048\*3048\*7010

### SERVICES REQUIRED

Electric Power - System 440V, 60HZ

Electric Power – Hot water machine 440V, 60HZ

Emergency generator 250kVA 440V,60HZ

Compressed Air 400cfm,90psi

Seawater 25gpm

Fresh Water 5gpm

### LIVING ACCOMMODATION CHAMBERS

Main Living Chamber 6 man

HRC M/Lock（9.943m³） 3 man

### DIVING BELL

Capacity men 3

Diver Lockout Capability 2

Diver Hat Mounted Camera Systems 2

Volume 4.5 m³

Mating to DDC Side

Buoyancy Negative

### RECLAIM SYSTEM

Type Dive x Gasmizer System

Pumps Haskel

Bell Capacity 2 Diver Reclaim

Dive Control System Divex

### HYPE RBARIC EVACUATION SYSTEM

Type Side-off/Float-off HRC

Launch System Crane/winch deployment

Propulsion Tow only

Capacity men 9

Control Van Dedicated w/umbilical

### UMBILICAL

Main Bell FDR 25m

Emergency Bell FDI built 180m

Lockout Diver1 60m

Lockout Diver2 60m

Bell men 65m

### LIFE SUPPORT MACHINERY

Diver Hot water Unit FDI Built

CUM Units UTS

Scrubbers Dive

**Specifications DIV**



**DIV Diving Engineering Co., Ltd**

**HAI YANG SHI YOU 286**

### GENERAL DESCRIPTION

Type MP Subsea Construction Vessel

Design SDARI

Accommodation 150 persons

Call Sign BFBF6

IMO No 9662239

Flag China

### Classification(DNV)

DNV+1A1,ICE-E,SPS,DPS3,CRANE,HELDK,BIS,COAT-PSPC(B),CLEAN,E0,NAUT-OSV(A),DK(+),COMF-V(3)C(3)CSA,Special Purpose Ship(2008),Ice Class B,DP-3,Lifting

Appliance, Helicopter Facilities, PSPC

(B),In Water Survey

CSM,AUT-0,OMBO,Clean,COMF

(NOISE3),COMF(VIB3)

### Main Dimensions

Overall length 140.75m

Length between p.p 127.85m

Breadth molded 29.0m

Depth main deck 12.8m

Draft(max) 8.5m

### Deck Equipment

2×Windlass/Mooring winches fwd.-MEP

2×Mooring winches aft- MEP

2×Provision cranes

### Deck Space

Deck Material Steel/wood

Moon pool 7.2×7.2m

Main Deck Area 1900/㎡

### DP System

DPIII A redundant Dynamic Positioning

(DP)system

### NAV/Com

1×MF/HF SSB Simplex radio Telephony Station 150W

2×EPIRB Cospas/Sarsat free-float beacon

2×Radar transponders for life-raft/boat(9GHZ)

3×Portable waterproof VHF radios

Satellite communication, mobile telephones/fax

VHF/UHF and mobile telephones/fax/ VHF/UHF

Internal communication systems

1×complete PA system and 1×telephone system to be installed

Infrastructure/LAN

### Power & Propulsion

Main 6 sets,4×3884kW+2×2904kW

Em.Gen 1×500 kW

### Accommodation

150 persons

28 Single Cabin/39 Double Cabins/11 cabins with 4 beds



### Thruster

Stern 2×azimuth thrusters Max.Continuous

Rating abt.4500kW each

Bow 2×tunnel thrusters forward. Rating

Abt. 2200kW

1×Retractable azimuth thruster

Rating 2200kW

### Rescue

Life boat

2×fiberglass reinforce plastic, totally enclosed type lifeboats

1×life boat on each side, with capacity of 50%(75persons)

2×Fast Rescue Craft/Man Over Board Boat

2×davit launched type inflatable life rafts, with capacity of 20 persons

### Helicopter Deck

Diameter deck 22.2m

Max. take-off-mass 12.8t

Aircraft type Sikorsky S-92,

S-61 and Euro Copter EC225 Super Puma MKII

### Tank Capacities

Marine Gas oil/diesel oil, abt. 2800 m³

Potable water, abt. 750 m³

Water ballast, abt. 7300 m³

Rig chain lockers abt. 1000 m³

### Crane

Master Type Crane

SWL(2 falls)@ 16.5m 400Te

SWL(1 falls)@ 31.5m 200Te

Dynamic factor 1.1

Working Range

Single line 7.8-37.0m

2 falls 8.8-39.5m

Storage Capacity

Hook travel, single line 3000m

Main Hoist Wire Rope

Wire rope diameter 92mm

Wire rope MBL 650 Te

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**ROV**

### Schilling UHD78/79 ROV

Vehicle

HPU 200Hp system,149kW

Depth rating 3000m

Vehicle dimensions

Length 3000mm×Width 1900mm×Height 2000mm

Speed Fwd/Aft 3.2knots

Lateral 3.2 knots

Vertical 2.5 knots

Bollard pull Forward/Aft,1200 Kg

Lateral,1200Kg

Vertical,1000Kg

Payload 300Kg

Manipulators 7 function Schilling Titan 4

5 function Schilling Rigmaster

Auto function

Auto Heading/Depth/Altitude/Roll/Pitch

Stationkeep(DP)

Camera (5)Kongsberg

(1 HD color camera fiber output)

(1)TITAN 4 Wrist camera

Lights (12)Variable 120VAC/250W

Pan & Tilt 2 Electric Pan & Tilt Unit

Valve Pack (2)8-function

TMS Schilling XE™ 900m tether Capacity,with 850m tether

LARS Active Heave Compensated

