

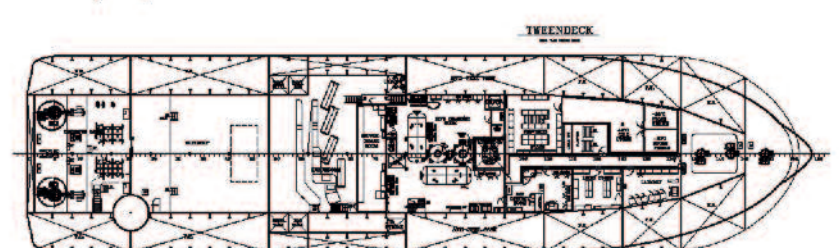
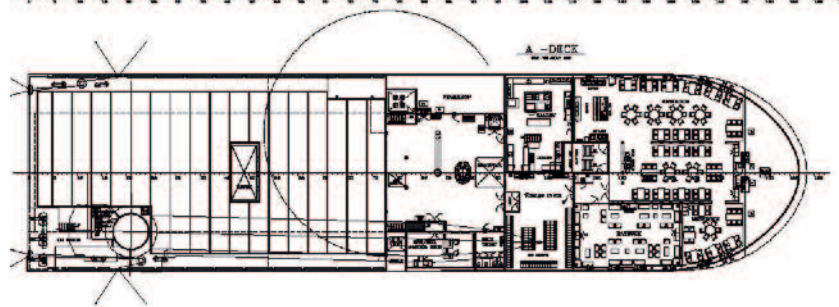
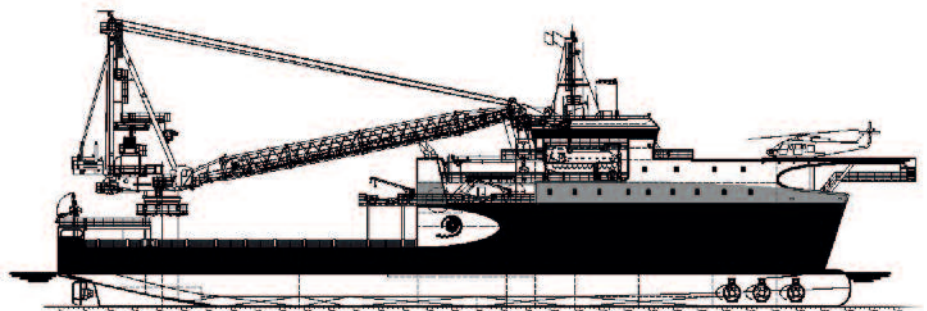
## Diving Support Vessel – 345ft

### Designed for

- Diving operations up to 300 m
- Offshore construction, inspection, maintenance and repair works
- Lifting operations up to 300 ton
- Offshore accommodation

### Main Features

- 12 man Sat Dive system
- 250 persons accommodation
- 300 tons main crane
- Work deck area more than 1000 m<sup>2</sup>



## Diving Support Vessel – 345ft

### Main particulars

Length, overall	105.13 m
Breadth, moulded	24.00 m
Depth to maindeck	7.00 m
Operating draft	4.00 m
Deadweight	5500 ton
Speed	11.0 Knots

### Classification:

LRS 100 A1, LMC, DPS-AA, FiFi II

Note: Support vessel

Flag: Solas special purpose ship

Mexican Flag

### Diving System

12 person sat dive system:

- 1 x 6-man and 1 x 4-man double lock chamber, heave compensated bell handling
- Hyperbaric lifeboat
- Moonpool with clear opening of 3.6 x 3.6 mtr
- Dive bell control room
- Sat control room

### Navigation Equipment

Magnetic compass

Radar, 12 ft scanner

Radar, ARPA, 6.5 ft scanner

Navtex

Echosounder, 200/50 kHz transducer

Doppler log

5 gyro repeaters on various positions

Day signalling lamp

Air whistle

### Crane capabilities

Main crane:

Liebherr BOS 7500 crane 300t @ 20m, underwater capacity 50 t @ 200 m

Auxiliary deck crane:

Auxilliary crane pedestal type, 10 t @ 15 m

### Propulsion Machinery

Propulsion: Diesel Electric

Generator sets: 4 x Caterpillar 3516 @

1825 eKW each

Total installed power from main

gensets: 7300 eKW

Current: 480 V/60 hz

Main thrusters units: 2 x 1500 kW Fixed

Pitch Propeller Azimuth units

Bow thrusters units: 3 x 900 kW trans-

verse tunnel thrusters, each Fixed Pitch

Propeller

Emergency/harbour power set: 1 x 425

eKW

### Accommodation

Fully airconditioned

Accommodation for 250 persons

- 1, 2 and 4 men cabins
  - separate client offices and cabins
  - Messroom
  - Dayroom
  - Cinema
  - Internet office
  - Various offices
  - Meeting/board room
  - Hospital/treatment room
  - Laundry
  - Linnenstore
  - Galley
  - Provision-stores
  - Coldstore
  - Freeze stores
- Navigation bridge with 360 degree view

### Deck/Heli-deck/Mooring

Total deck area: 1000 m<sup>2</sup>

Helideck: Suitable for bell 412 and helicopters with "D" value of less than 22 mtr

Mooring system:

Foreship mooring/anchor winches with warping heads, chains and anchors, capstains aft ship

### Dynamic Positioning

Redundant Dynamic Positioning System: NAVIS DP system on aft bridge and control station at forward navigation bridge

Reference systems:

- 1 x Radius 1000
- 2 x DGPS Receivers
- 3 x Gyro Compass
- 2 x Motion Reference Units
- 2 x Wind Sensors
- 1 x Hydro Acoustic System
- 1 x Laser Scan System

DP position keeping upto:

Beam seas 35 knot wind

### Communication

External:

- 2 x Inmarsat Satcom C
- 1 x Inmarsat Satcom B
- 1 x Radio Telephone Installation, MF/HF DSC
- 2 x VHF Radio - Telephone transceiver DSC, full duplex
- 2 x SART Radar Transponders
- 1 x Epirb, Hydrostatic Release
- 3 x Portophones GMDSS

Internal: Automatic Telephone Exchange System

### Various

Fuel oil capacity: 600 m<sup>3</sup>

Firefighting equipment: Fi-Fi 2 with 3 monitors, total capacity 7200 m<sup>3</sup>/hr each. On the helideck a fixed foam system with 2 monitors

Lifeboats: 2 enclosed lifeboats, each 102 persons, one Hyperbaric rescue craft

### Shipyard De Hoop

Bijlandseweg 17 – 19  
6916 BH Tolkamer  
P.O. Box 12, 6916 ZG Tolkamer  
The Netherlands

P +31 (0)316 541641  
F +31 (0)316 542322  
Lobith@dehoop.net  
www.dehoop.net