



**DATA SHEET**

# CS FU HAI

## OVERVIEW

The CS Fu Hai is a high bollard pull, DP-2 vessel, specializing in the submarine cable installation and maintenance sector. The vessel is equipped with a 60t A-frame system and a 60t tow winch with maximum 5,700t cable lifting capacity.

Equipped with class-leading HP-1500 plough and Sealion III trenching ROV onboard, CS Fu Hai is capable of delivering versatile subsea works in most seabed conditions and has a track record of successful project delivery in the telecommunications, power utility and O&G sectors.

## CONSTRUCTION CLASSIFICATION

<b>Classification</b>	DNV1A1 DK(+) DYNPOS (AUTR) E0 NAV-O TMON
<b>Year of construction</b>	2000
<b>Builders</b>	Volkswerft Stralsund GMBH
<b>Flag</b>	Panama
<b>IMO Number</b>	9207065

## MAIN DATA

<b>Length overall</b>	105.80m
<b>Length between p.p</b>	83.70m
<b>Breadth moulded</b>	20.00m
<b>Depth moulded</b>	12.00m
<b>Scantling draught moulded</b>	9.10m
<b>Gross tonnage</b>	6,303t
<b>Deck load capacity</b>	FR -10 to FR 31 10t/m <sup>2</sup> FR 31 to FR 92 5t/m <sup>2</sup>

<b>Fuel oil capacity</b>	MGO in total: 2,415.9m <sup>3</sup>
<b>Fuel consumption in transit</b>	25t/day at 12 knots service speed
<b>Bollard pull</b>	110t
<b>Endurance</b>	45 days

## CABLE TANKS

<b>Main cable tanks (Qty)</b>	2
<b>Maximum load per cable tank</b>	2,600t
<b>Ancillary tanks (Qty)</b>	2
<b>Maximum load per cable tank</b>	521t

## ACCOMMODATION

<b>Maximum POB</b>	68
<b>Hospital</b>	2 berths

## CABLE WORKING GEAR

**Drum engine (DE)** 1 x 25t 4m drum engine

**Draw off hold back (DOHB)** 1 x 4t 4 pair DOHB

**Linear cable engine (LCE)** 1 x 20t 20 pair LCE

## CONTROL & NAVIGATION SYSTEM (INCL DP)

**Radars** Kelvin Hughes Nucleus 6000A and FURUNO FAR-2238S-NXT

**Gyro's** 3 x Sperry MK 37 VT

**ECDIS** Transas Navi-Sailor 4000

**DP system** Kongsberg K-POS SDP-21

**HiPAP/PR system** Kongsberg HiPAP 500

**Echo sounders** Sperry ES 5000-03 and Simrad EA 600

**Taut wire** LWT MK12

**Motion reference unit** 1 x MRU5 + 2 x MRU2

## PROPULSION SYSTEM

**Main engine** 2 x MAN 8 cylinder L32/40 MCR 3.840kW @ 750rpm

**Main gear** RENK HSNL-800

**Propeller** 2 x 4 blade 3.0m dia MAN Alpha CPP

**Auxiliary engines** 3508 DI-TA/1 / 23Z07510 & 23Z07512 760kW @1,800rpm

**Emergency generator** 1 x Caterpillar 3306 DI-T 170kW @ 1,800rpm

## MANOEUVRING SYSTEMS

**Bow tunnel thruster** 1 x Lips (Watsila) CPP, type CT250 M-D, 1200kW @ 190rpm max thrust about 200kN

**Bow thruster (retractable azimuth)** 1 x Lips (Wartsila) CPP, type CS200-244/MNR rating, 1000kW @ 330rpm max thrust about 195kN

**Stern tunnel thrusters** 2 x Lips (Wartsila) CPP, type CT 225 M-D each 1,200kW @270rpm max thrust about 190kN

## DECK MACHINERY

**Tugger winches (upper deck)** 1 x 10t mooring winch  
2 x capstan  
2 x windlass

**Towing winches** 60t towing winch

## COMMUNICATION EQUIPMENT

VSAT

FBB Broadband System

RT 4822 VHF – radio telephone with DSC

RT 4800 VHF basic radio telephone

2 x Satellite operating EPIRB

1 x Navtex receiver

1 x Tron air portable transceiver

3 x Tron VHF GMDSS for VHF for rescue boat

## LSA EQUIPMENT

**Rescue boats** 2

**Life saving total capacity** 68

**Liferafts** 10

**Liferaft capacities** 4 x 25, 4 x 20, 2 x 12

## CRANEAGE AND A-FRAME

2 x deck cranes 2.5t @ 20m / 5.0t @ 11m

1 x deck crane 2.0t @ 22m/ 2.5t @ 20m / 5.0t @ 11m

1 x 60t SWL A-frame

# GENERAL ARRANGEMENT

