

# TELFORD 34



Built according to a distinctive hybrid design philosophy, the multipurpose Telford 34 DP3 vessel includes a large unobstructed deck, an 800mT capacity crane with active heave compensated (AHC) features, a heave compensated gangway and a modular rigid/flexible pipelay system.



Accommodation & Hook Up



Offshore Construction



DP3 Pipelay



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# SPECIFICATIONS

## GENERAL

<b>Classification</b>	ABS, A1, Barge, PAS, DPS-3, CRC
<b>Flag</b>	Gibraltar
<b>Call Sign</b>	ZDJL7
<b>IMO Number</b>	8770273
<b>Delivery</b>	April 2010

## PRINCIPAL DIMENSIONS

<b>Length Overall</b>	118.80 m
<b>Breadth</b>	30.40 m
<b>Extreme Breadth</b>	37.20 m
<b>Depth Main Deck</b>	8.40 m
<b>Operating Draft</b>	5.00 m
<b>Maximum Draft</b> <i>(Retractable thruster deployed)</i>	8.94 m
<b>Gross Tonnage</b>	14725 t
<b>Net Tonnage</b>	4605 t

## ACCOMMODATION

Fully air-conditioned permanent accommodation for up to 339 persons in cabins all with individual bathroom facilities. Including conference room, offices, cinema, gymnasium, recreation rooms, laundry, internet café as well as a hospital.

### 339 berths in 101 cabins

- 5 x 1 person cabins
- 25 x 2 persons cabins
- 71 x 4 persons cabins

## LIFESAVING APPLIANCES

<b>Liferafts</b>	28 x 25 persons
<b>Lifeboats</b>	4 x 102 persons 2 x 106 persons
<b>Fast Rescue Boat</b>	1 x 6 persons

## RADIO/COMMUNICATION

- V-Sat Antenna *(Intellian)*
- GMDSS Areas 1, 2 & 3
- EPIRB
- SART
- Integrated Telephone System
- Sound Powered Telephone
- Public Address System

## MAIN DECK

<b>Deck Area</b>	Approx. 1350 m <sup>2</sup>
<b>Deck Load</b>	10 t/m <sup>2</sup>

## POWER PLANT

<b>Main Generators</b> <i>(Caterpillar)</i>	4 x Diesel engines type CAT 3516 B (1825 kW)
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## CRANAGE

<b>Mast Crane</b> <i>(Huisman Itrec)</i>	
<b>Main Hoist</b>	800mt @30m over the stern 800mt @26m revolving
<b>Whip Hoist</b> <i>(man-riding)</i>	120mt @33.50m 3 falls 100mt @39.00m 2 falls (AHC) 50mt @72.00m 1 fall (AHC)
<b>Pedestal Crane</b> <i>(TTS Marine ASA)</i>	
<b>Main Hoist</b>	34mt @20m 22mt @30m
<b>Aux. Hoist</b> <i>(man-riding)</i>	5mt @31m

## PROPULSION

<b>Bow Thruster</b> <i>(Rolls Royce)</i>	1 x electrically driven 1355kW
<b>Stern Thruster</b> <i>(Rolls Royce)</i>	2 x FPP azimuth, 1 920kW each direct driven diesel
<b>Forward/Aft Thruster</b> <i>(Rolls Royce)</i>	4 x FPP retractable azimuth, 1920kW each direct driven diesel

## CARGO CAPACITIES

<b>Dead Weight</b>	9378 t
<b>Fuel Oil</b>	2313.5 m <sup>3</sup>
<b>Lube Oil</b>	97.70 m <sup>3</sup>
<b>Fresh Water</b>	2666.80 m <sup>3</sup>
<b>Ballast Water</b>	7129.7 m <sup>3</sup>

## ENDURANCE

<b>Fresh Water</b>	2 x 50t /24hrs 1 x 200t/24hrs
<b>Fuel Consumption</b> <i>(typical)</i>	
<b>Harbor</b>	5m <sup>3</sup> / 24hrs
<b>Transit</b> <i>(2 x aft thrusters only)</i>	20m <sup>3</sup> / 24hrs
<b>DP</b>	15m <sup>3</sup> / 24hrs

## GANGWAY

<b>Electric-Hydraulic Telescopic Personnel Transfer Gangway</b> <i>(Uptime/Marine Aluminium)</i>	
<b>Operational length</b>	36.50 m

## DP REFERENCE SYSTEM

- 1 x Radius 2000 *(Dual Interrogator)*
- 2 x DGPS Receivers
- 3 x Gyro Compass
- 3 x Motion Reference Units
- 2 x Lightweight Tautwire
- 1 x HIPAP 500
- 1 x Gangway *(if connected)*
- 1 x Spot Track
- 3 x Wind Sensors

## DP SYSTEM

<b>Kongsberg K-POS 22</b>	Aft Working Bridge
<b>Kongsberg K-POS 12</b>	Fore Navigation Bridge

## HELIDECK

- ABS, CAP437 9<sup>th</sup> Edition compliant suitable for Sikorsky S-92A Helibus
- Max. "D" 22.20m
- Max. T.O.W. 13t
- Helideck Monitoring System 100
- Fixed Foam System *(3 monitors)*

## PIPELAY EQUIPMENT

- Pipeline System (SAS)**  
*Starboard mounted single joint S-lay system*
- Capacity**  
4" - 48" diameter pipe (with coating 60")
- Tensioners**  
2 x 60t Horizontal Tensioners
- Stinger Length**  
57.5m
- Workstations**  
7 working stations for welding, NDE (X-ray or Ultrasonic), pipe repair and coating
- A&R system**
  - 120t A&R winch
  - 120t Measuring Sheave

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