

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

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

PRINCIPAL DIMENSIONS

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

Liferafts	28 x 25 persons
Lifeboats	4 x 102 persons 2 x 106 persons
Fast Rescue Boat	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

Deck Area	Approx. 1350 m ²
Deck Load	10 t/m ²

POWER PLANT

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

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

PROPULSION

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

CARGO CAPACITIES

Dead Weight	9378 t
Fuel Oil	2313.5 m ³
Lube Oil	97.70 m ³
Fresh Water	2666.80 m ³
Ballast Water	7129.7 m ³

ENDURANCE

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

GANGWAY

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

Kongsberg K-POS 22	Aft Working Bridge
Kongsberg K-POS 12	Fore Navigation Bridge

HELIDECK

- ABS, CAP437 9th 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

- Pipelay 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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