

Technical Specifications

Dimensions

Length OA	103.70m
Length BP	96.80m
Depth Work Deck	10.60m Max
Draft	6.50m
Free Deck Area	726m ²
Moon Pool	7.2m x 7.2m

Classification

+1A1 R ICE-C Ship-shaped Drilling Unit SF, COMF-V(3) HELDK-SH E0 DYNPOS-AUTR CLEAN, DRILL DK (+)

Year Built

2009

Accommodation

84 Persons total
24 x 1 man cabins, 28 x 2 man cabins, 1 x 4 man cabin

Main Engines

Engines 5 x Caterpillar 3516C 2188kW each @1800 rpm

Propulsion

2 x Ulstein-Aquamaster Azimuth Thruster Type 2200kW @1200rpm Sidethrusters - 2 x Kamewa Ulstein Tunnel Thrusters 1050Kw Azimuth - 1 x Ulstein-Aquamaster Thruster Type 883Kw @1800rpm

Main Generators

5 x Siemens 2188kw each @1800rpm

Dynamic Positioning

1 x Kongsberg K-POS – DP II
2 x HiPap 500 (to 4,000m)
2 x DGPS
1 x Taut Wire
1 x Fanbeam Mk4
2 x MRU-5

Navigation & Communication

A V-Sat internet & communications system is installed on the vessel

ROV's

1 x FCV3000 Work Class ROV + Option for a 2nd FCV3000

Drilling Systems

Top Drive

Type	National Oilwell Varco TDS 250
SWL	150 tons below Topdrive
Max Torque	28,476 Nm
Max RPM	0-150 rpm
Max Power	400 HP at Swivel
Max Mud Pressure	340 bar

Iron Roughneck

Type	National Oilwell Varco IR-30120 with 144" arm and Automated Rotation System
Torque	135,500 Nm
Speed	80 RPM on 5" OD Drill Pipe

Mud System

Mud pumps	3 x Wirth TPK800 each 949 l/min. @ 340 bar to 2,762 l/min. @ 115 bar
Mud tanks (pits)	2 x 85.9 m ³ + 1 x 65.9 m ³ + 1 x 44.9 m ³ + 1 x 23.8 m ³
Barites/Bentonite tanks	4 x 73 m ³
Cement bulk tanks	2 x 73 m ³
Surge tanks	2 x 3 m ³
Cement System	
Cement Pumps	2 x Halliburton HT400 500BHP @ 15,000 psi

Catwalk

Type	Aker Kvaerner Maritime Hydraulics Tubular Feeding Machine BB151
SWL	15 t
Tubular Length	83 ft / 25 m
Tubular Diameter	2-7/8" - 30"
Standard	DNV-OS-E-101, Drilling Plant

Heavy Load Winch

Type	Kley France Double Drum Traction Winch
Load / Speed	32 t / Wire @ 30m/min, 16 t / Wire @ 60m/min
Wire	2 x 3,500 m 32mm non-rotating Wire
Ropes	1,035 kN MBL

Line Tensioner

Type	Bosch Rexroth
Max compensated stroke	7 m @ Template (3.5m on Tensioner)
Max compensated load	50 t (25 t / wire)

Additional Winches

Guideline Winch

Type	4 x Zollern ZHP 4-22
Load / Speed	8,000 lbf pull min, 60 m/min.
Wire	450 m of 16 mm wire

Headline Winches

Type	2 x Zollern
Load / Speed	4 t SWL, 0-20 m/min.
Wire	100 m of 16 mm non-rotating

Tail Line Winch

Type	1 x Zollern
Load / Speed	4 t SWL, 0-20 m/min.
Wire	100 m of 16 mm wire. (22.1 t MBL)

Sandline Winch/Deepwater Fishing Winch

Type	1 x FEBV
Use	Lowering / Lifting Tools
Load / Speed	5.2 t or 2.6 t line pull 90 or 160 m/min.
Wire	3,000 m of 12 mm non-rotating wire steel umbilical 109 kN MBL

Logging Winch/Wison Umbilical Winch

Type	1 x FEBV
Use	Lowering / Lifting Tools
Load / Speed	5.2 t or 2.6 t line pull 90 or 160 m/min.
Wire	3,000 m of 12 mm non-rotating wire steel umbilical 109 kN MBL

Tension Winch/Seabed Frame Umbilical Winch

Type	1 x UCE Mk II
Use	Power and comms to SBF
Load / Speed	5.2 t or 2.6 t line pull /60 or 120 m/min.
Wire	3,500 m of 22 mm steel umbilical 205 kN MBL

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