

# TRANSOCEAN BARENTS

## HARSH-ENVIRONMENT ULTRA-DEEPWATER DUAL-ACTIVITY SEMI-SUBMERSIBLE



**For additional information please contact:**

Transocean  
Marketing Department  
1414 Enclave Parkway  
Houston, TX 77077, USA  
Phone: + 1-713-232-7500  
Fax: + 1-713-232-7880  
[marketing@deepwater.com](mailto:marketing@deepwater.com)  
[www.deepwater.com](http://www.deepwater.com)

### General Description

<b>Design / Generation</b>	Aker H-6e Semi-submersible
<b>Constructing Shipyard</b>	Aker Kvaerner Stord
<b>Year Entered Service / Significant Upgrades</b>	2009
<b>Classification</b>	DNV 1A1 Column Stabilized Drilling Unit (N)
<b>Flag</b>	Marshall Islands
<b>Dimensions</b>	295 ft. (90 m) long x 230 ft. (70 m) wide (main deck)
<b>Drafts</b>	75 ft. (24 m) operating / 31 ft. (9.5 m) Transit
<b>Accommodation</b>	140 persons
<b>Displacement</b>	71,099 st (64,500 mt) operating / 49,053 st (44,500 mt) transit
<b>Variable Deck</b>	6,945 st (6,300 mt) operating / 6,834 st (6,200 mt) transit
<b>Transit Speed</b>	up to 8 knots
<b>Maximum Water Depth</b>	10,000 ft (3,048 m) designed / 6,500 ft (1,981 m) outfitted
<b>Maximum Drilling Depth</b>	30,000 ft. (9,144 m)

### Drilling Equipment

<b>Derrick</b>	AKMH Dual Ram Rig® comprised of 2 x hoisting systems, each with its own set of hydraulic cylinders used to power the hoisting/lowering/heave compensation operation.
<b>Hookload Capacity</b>	(Main) 1,000 st (908 mt) capacity (Aux) 500 st (454 mt) capacity
<b>Drawworks</b>	(Main) RamRig Drawworks 1,000 st (908 mt) (Aux) RamRig Drawworks 500 st (454 mt)
<b>Compensator</b>	see 'Derrick' above
<b>Rotary Table</b>	(Main) AKMH Wirth RTSS 60½" hydraulic, 1,000 st (908 mt) (Aux) AKMH Wirth RTSS 60½" hydraulic, 500 st (454 mt)
<b>Top Drive</b>	(Main) AKMH MDDM 1,000 st (908 mt), 57,600 ft.-lbs. max continuous torque at 120 RPM, max speed 250 RPM. (Aux) AKMH MDDM 500 st (454 mt), 57,600 ft.-lbs. max continuous torque at 120 RPM, max speed 250 RPM
<b>Tubular Handling</b>	Dual Vertical Pipe Handling System with manipulator arms. Aker MH racking systems for tubular range 3-1/2" to 20". 2 x Hydraulic Iron Roughnecks for tubular range 3-1/2" to 9-3/4"
<b>Mud Pumps</b>	4 x AKMH Wirth model TPK-7-1/2" x 14" 2,200 hp 7,500 psi working pressure.
<b>HP Mud System</b>	Rated for 7,500 psi
<b>Solids Control</b>	4 x Axiom AX-1 Dual Shakers

### Power & Machinery

<b>Main Power</b>	8 x Rolls Royce (Bergen Diesel) engines rated 7,066 hp, 720 rpm, each driving 1 x Alconza/NIR 10092A-10QLV 6,235 kVA AC generator
<b>Emergency Power</b>	2 x dedicated above main engines in 2 x different engine rooms are classified as emergency engines/generators.
<b>Power Distribution</b>	Kongsberg Maritime Integrated Control System ICS, Power Management System, 4 x -split system, HV Distribution 11,0 Kv, 609 V Drilling, 690 V HPU and 609 V VSD switchboard

### Storage Capacities

<b>Fuel Oil</b>	25,159 bbl (4,000 m3)
<b>Liquid Mud + Reserve</b>	5,830 bbl (927 m3) / 5,850 bbl. (930 m3)
<b>Base Oil</b>	9,202 bbl (1,463 m3)
<b>Brine</b>	8,655 bbl (1,376 m3)
<b>Drill Water</b>	18,870 bbl (3,000 m3)
<b>Potable Water</b>	3,963 bbl (630 m3)
<b>Bulk Material</b>	(mud + cement) 28,252 cu.ft (800 m3)
<b>Sack Storage</b>	5,000 sacks

### BOP & Subsea Equipment

<b>BOP Rams</b>	Cameron TL 18-3/4" 15,000 psi ram preventers (2 x doubles + 1 x super shear); Cameron C-PRO HDH4 15K hydraulic wellhead connector
<b>BOP Annulars</b>	2 x 10K Annulars Cameron DL 18-3/4"
<b>BOP Handling</b>	Overhead BOP cranes 2 x 83 st (75 mt) with trolley; Overhead Xmas Tree cranes 2 x 55 st (50 mt) with trolley; Independent BOP and Xmas Tree handling
<b>Marine Riser</b>	Aker Drilling Clip Riser 21", 75 ft (22.8 m) long, 0.875" wall thickness.
<b>Tensioners</b>	6 x Aker MH Direct Acting In-line Tensioners, 267 st (242 mt) each, 50 ft (15 m) max stroke.
<b>Diverter</b>	Vetco Gray 60-1/2" 500 WP psi diverter with 14" flow line
<b>Tree Handling</b>	N/A
<b>Moonpool</b>	33.7 ft. (10.3 m) x 75.5 ft. (23 m) Outfitted with skid rails.

### Station Keeping / Propulsion System

<b>Thrusters</b>	8 x Rolls Royce Aquamaster 6,000 hp variable speed, fixed pitch, fully azimuthing thrusters.
<b>DP System</b>	Kongsberg DP Class 3
<b>Mooring System</b>	8 x Aker Pusness electrical winches, 320 st (290 mt) rated pull.

### Cranes

<b>Cranes</b>	2 x pedestal cranes x Kenz Figeo electro-hydraulic cranes, 167 ft. (51 m) boom length, 72 st (65 mt) at 65.6 ft. (20 m) radius.
---------------	---

### Other Information

<b>Helideck</b>	Rated for Sikorsky S-61N, S92, EH 101 and Super Puma
<b>Other</b>	Dual Activity. Capable of self-moored in up to 1,640 ft. (500 m) water depths.

Revision Date: 07 April 2023

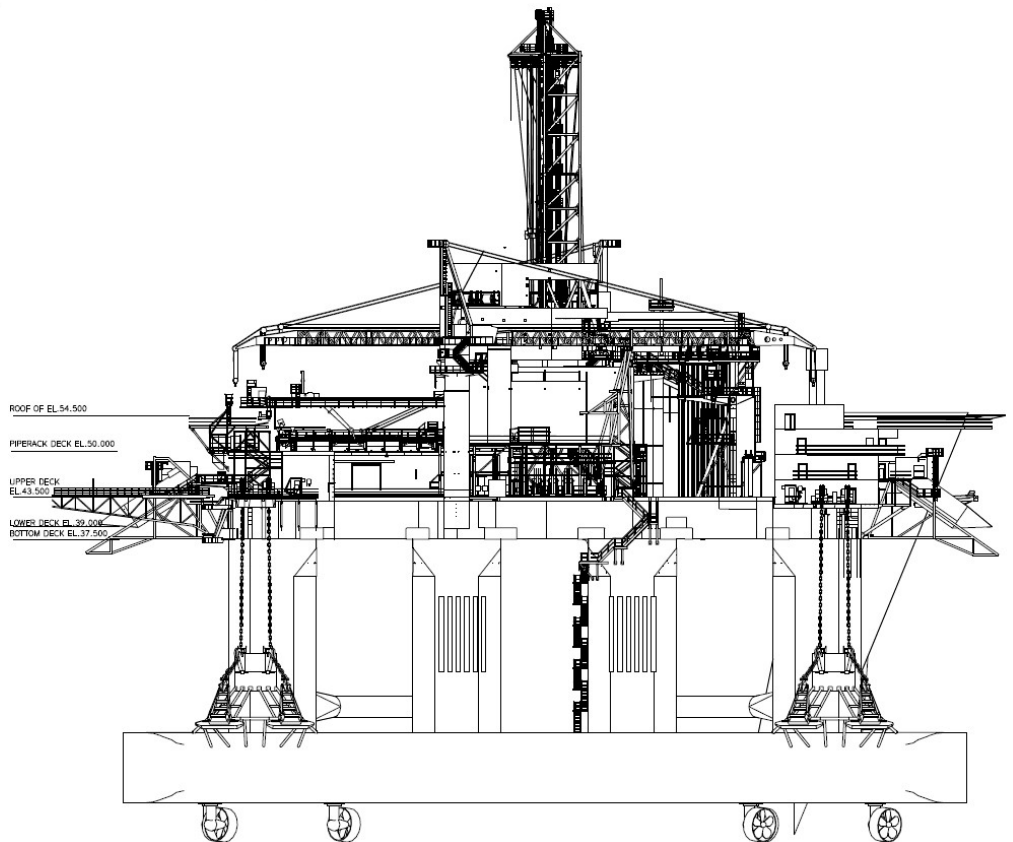
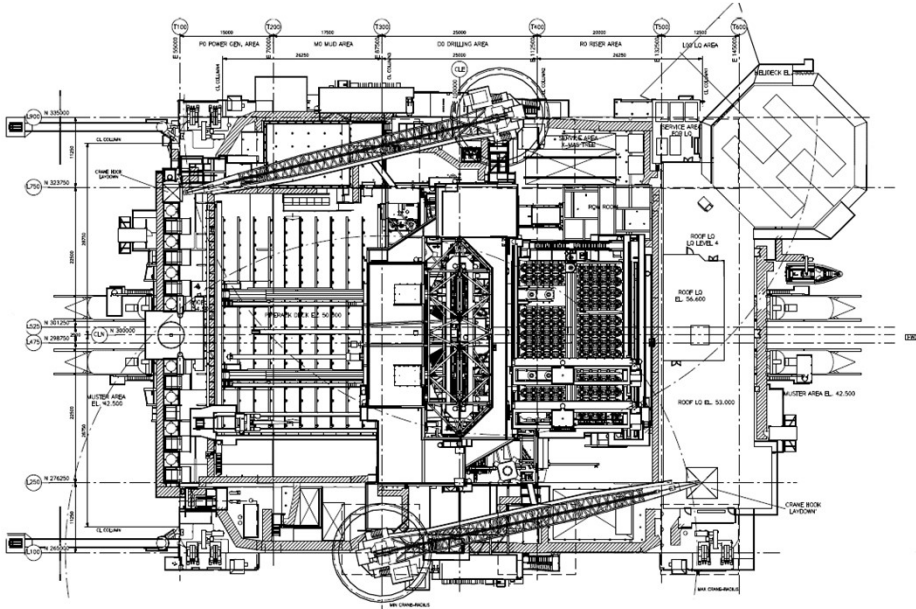


These specifications are intended for general reference purposes only, as actual equipment and specifications may vary based upon subsequent changes, the contract situation and customer needs. All equipment shall be operated and maintained at all times, in compliance with Transocean standard operating manuals, policies and procedures, and within its stated operational limits or continuous rated capacity, in order to assure maximum operational efficiency.

Patent Notice: This rig, its systems, components, and/or equipment in use on this rig, may be protected by one or more US and/or foreign patents.

# TRANSOCEAN BARENTS

HARSH-ENVIRONMENT ULTRA-DEEPWATER DUAL-ACTIVITY SEMI-SUBMERSIBLE



## BOUNDLESS

Revision Date: 07 April 2023

**SERVICE FOCUSED  
DATA DRIVEN  
PERFORMANCE ORIENTED**



These specifications are intended for general reference purposes only, as actual equipment and specifications may vary based upon subsequent changes, the contract situation and customer needs. All equipment shall be operated and maintained at all times, in compliance with Transocean standard operating manuals, policies and procedures, and within its stated operational limits or continuous rated capacity, in order to assure maximum operational efficiency.

Patent Notice: This rig, its systems, components, and/or equipment in use on this rig, may be protected by one or more US and/or foreign patents.