TRANSOCEAN BARENTS

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

GENERAL DESCRIPTION

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



DRILLING EQUIPMENT

Derrick	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
Hook Load Capacity	(Main) 1,000 st. (908 mt) capacity, (Aux) 500 st. (454 mt) capacity
Drawworks	(Main) RamRig Drawworks, 1,000 st. (908 mt), (Aux) RamRig Drawworks 500 st. (454 mt)
Compensator	See "Derrick" above
Rotary Table	(Main) AKMH Wirth RTSS 60-1/2" hydraulic, 1,000 st. (908 mt), (Aux) AKMH Wirth RTSS 60-1/2" hydraulic, 500 st. (454 mt)
Top Drive	(Main) AKMHMDDM 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
Tubular Handling	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"
Mud Pumps	4 x AKMH Wirth model TPK-7-1/2" x 14" 2,200 hp 7,500 psi working pressure
HP Mud System	Rated for 7,500 psi
Solids Control	4 x Axiom AX-1 Dual Shakers

CRANES

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

POWER AND MACHINERY

Main Power	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
Emergency Power	2 x dedicated above main engines in 2 x different engine rooms are classified as emergency engines / generators
Power Distribution	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

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

BOP AND SUBSEA EQUIPMENT

BOP Rams	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
BOP Annulars	2 x 10K Annulars Cameron DL 18-3/4"
BOP Handling	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
Marine Riser	Aker Drilling Clip Riser 21," 75 ft. (22.8 m) long, 0.875" wall thickness
Tensioners	6 x Aker MH Direct Acting Inline Tensioners, 267 st. (242 mt) each, 50 ft. (15 m) max stroke
Diverter	Vetco Gray 60-1/2" 500 WP psi diverter with 14" flow line
Tree Handling	N/A
Moonpool	33.7 ft. (10.3 m) x 75.5 ft. (23 m) outfitted with skid rails

STATION KEEPING / PROPULSION SYSTEM

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

OTHER INFORMATION

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

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.

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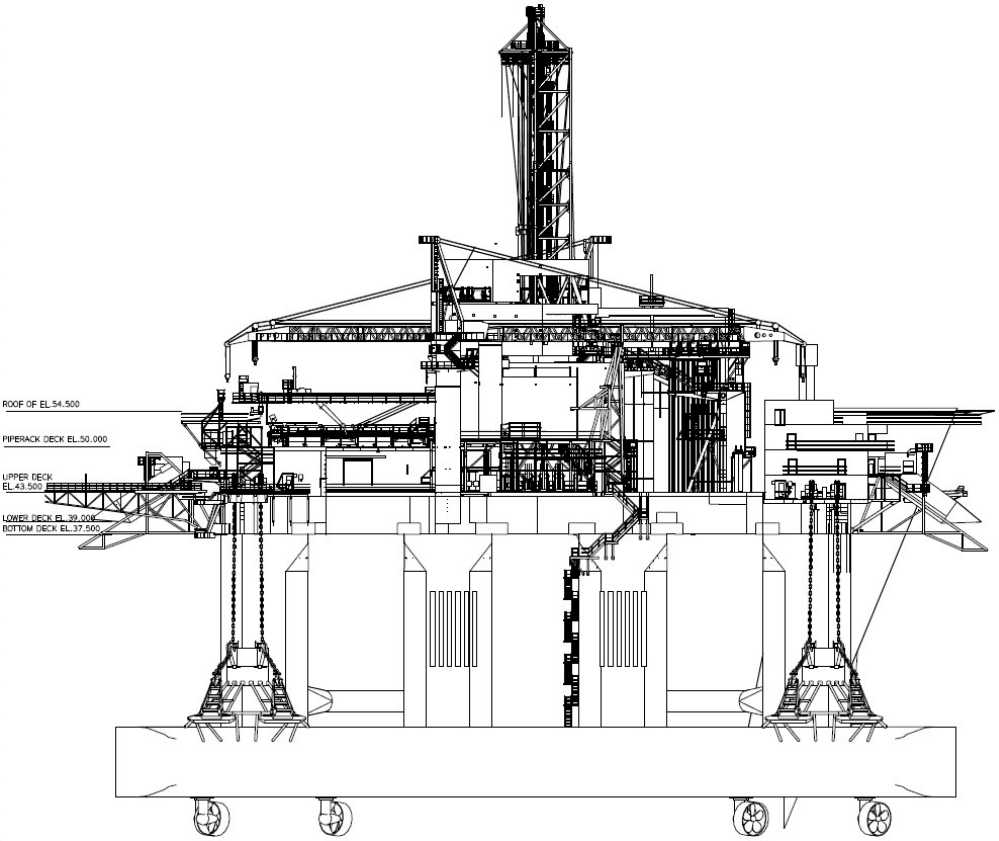
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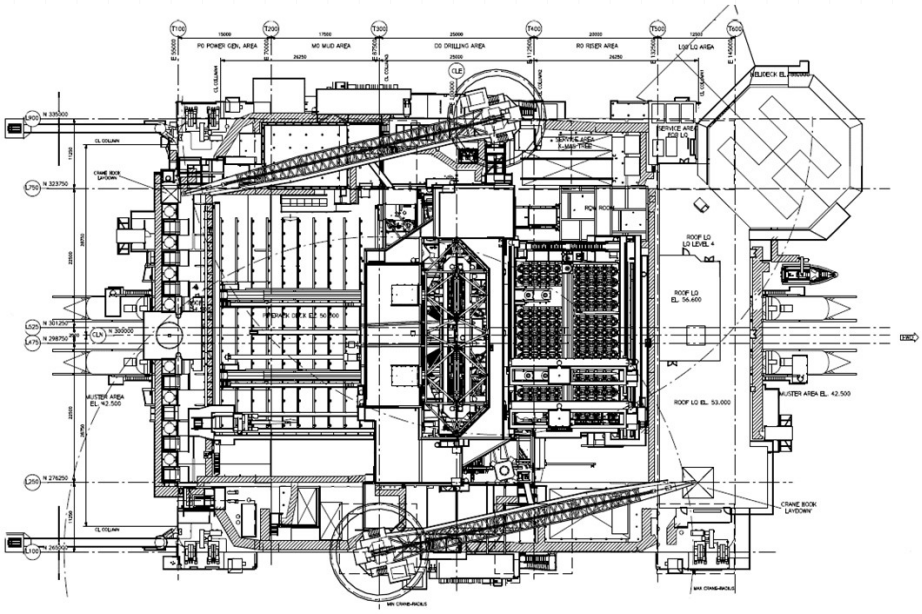
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