

TRANSOCEAN LEADER

HARSH-ENVIRONMENT SEMI-SUBMERSIBLE



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General Description

Design / Generation	Aker H-4.2 non-self-propelled semi
Constructing Shipyard	Hyundai, South Korea
Year Entered Service / Significant Upgrades	1987 / 1997 and 2012
Classification	DNV+1A1
Flag	Marshall Islands
Dimensions	361 ft. (110 m) long x 274 ft. (83.5 m) wide x 130 ft. (39.6 m) Deep
Drafts	77 ft. (23 m) operating / 24 ft. (7 m) Transit
Accommodation	110 persons
Displacement	49,005 st (44,457) mt operating / 32,658 st (29,627 mt) transit
Variable Deck	5,952 st (5,400 mt) operating / 3,527 st (3,200 mt) transit
Transit Speed	up to 7 knots
Maximum Water Depth	5,500 ft. (1,676 m) designed / 4,500 ft. (1,372 m) outfitted
Maximum Drilling Depth	25,000 ft. (7,620 m)

Drilling Equipment

Derrick	Dreco 964MT nominal capacity, size 170 ft. (52 m) high x 40 ft. (12 m) x 40 ft. (12 m) base.
Hookload Capacity	750 st (680 mt) capacity
Drawworks	Continental Emsco C3, 3 x Siemens electric motors; 938 hp, 747 MT max line pull with 14 lines
Compensator	NL Shaffer (crown mounted) model, 25 ft. (7.6 m) stroke, 331 st (300 MT) compensated load rating active heave compensation
Rotary Table	Continental Emsco 49-1/2" hydraulic, 727 st (660 mt) maximum continuous torque 40,000,000 ft.-lbs.
Top Drive	Varco TDS-4H, with a 650 st (590 m) (capacity with 1 x GE 752 motor, rated to 1250 hp. And 57,000 ft.-lbs. of continuous drilling torque in low gear.
Tubular Handling	Aker MH pipe racking system, complete with Eagle Lite, Roughneck, upper racking arm, stand lift and manipulator arm.
Mud Pumps	3 x Continental Emsco, FB – 1600, 1600 hp triplex pumps, each driven by 2 x Siemens 1HT3 – 459-9zz-90- z 620 kW traction motors.
HP Mud System	Rated for 5000 psi
Solids Control	4 Thule VSM - 300 shale shakers

Power & Machinery

Main Power	4 x Bergen KVGB 16 diesel engines rated at 3282 kW, 900 rpm, each driving 1 x Siemens 3100 kW AC generator.
Emergency Power	1 x MTU DMEP diesel engine rated 1500 kW, 1800 rpm driving 1 x Siemens 1420 kW generator.
Power Distribution	8 x GE Energy, Power Conversion UK Ltd, SCR switchboards with phase-back for transformer and generator overload protection

Storage Capacities

Fuel Oil	15,102 bbl (2,401 m3)
Liquid Mud	2,226 bbl (354 m3) Active / 13,730 (2,183 m3) bbl Reserve
Base Oil	3,252 bbl (517 m3)
Brine	3,207 bbl (510 m3)
Drill Water	6,812 bbl (1,083 m3)
Potable Water	4,233 bbl (673 m3)
Bulk Material	(Bulk Barite/Bentonite/Cement) 16,470 ft3 (466 m3)
Sack Storage	sack stored in containers on deck

BOP & Subsea Equipment

BOP Rams	2 x Cameron T 18-3/4" 15000 psi double-ram preventers.
BOP Annulars	2 x Hydriil GX 18-3/4" 10000 psi annular preventers
BOP Handling	1 x BOP crane with 2 x 55 st (50 mt) winches, 1 x 5 mt service-winch, 1 x BOP-carrier with 308 st (280 mt) fork and 652 st (592 mt) parking capacity
Marine Riser	90 x Cameron RF 21" OD. 50 ft. (15 m) and 60 ft. (18 m) riser joint lengths, 1,000 st (907 m) riser couplings, 19-3/4" ID, 3" choke/kill lines, 4" booster line, 1" dual hydraulic line
Tensioners	12 x NL Shaffer riser tensioners, 60 st (54 m). rated capacity each
Diverter	18-3/4" and 500 PSI rated - Hughes Offshore KFDS with 14" flow lines
Tree Handling	3 x 66 st (60 mt) skidding plates, plus one small "drive skid" with a 500 handling crane mounted
Moonpool	23 ft. (7 m) length x 32 ft. (9.7 m) width; outfitted with BOP handling system

Station Keeping / Propulsion System

Thrusters	4 x (2 at forward, 2 at aft) Niigata Liaaen 2600 kW compass thrusters, fully azimuthing, fixed prop.
DP System	Kongsberg SDP - Posmoorata
Mooring System	4 x Ulstein double drum traction winches with 664 mt static brake capacity, 8 x mooring lines consisting of 11,811 ft. (3,599 m) of 3-5/8" wire line and 6,561 ft (2,000 m) of 84 mm stud link chain, with 8x Stevpris MK6 FFTS 16.5 st (15 mt) anchors

Cranes

Crane #1	2 x 93 st (85 mt) Liebbeher BOS 4200-85 Litronic Sn. 16.5 st (15 mt) whip line.
Crane #2	1 x 19.8 st (18 mt) Protea Riser handling knuckle-boom cranes, with 19.8 st (18 mt) Riser yoke, 33 st (30 mt) hook and 8.8 st (8 mt) Auxiliary
Crane #3	1 x Hydralift Miko crane, OKMCVC 1800, 10.4 st (9.5 mt)

Other Information

Helideck	Rated for Boeing Chinook helicopters, 90ft. (27.4 m) x 90ft. (27.4 m)
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Revision Date: 14 July 2022

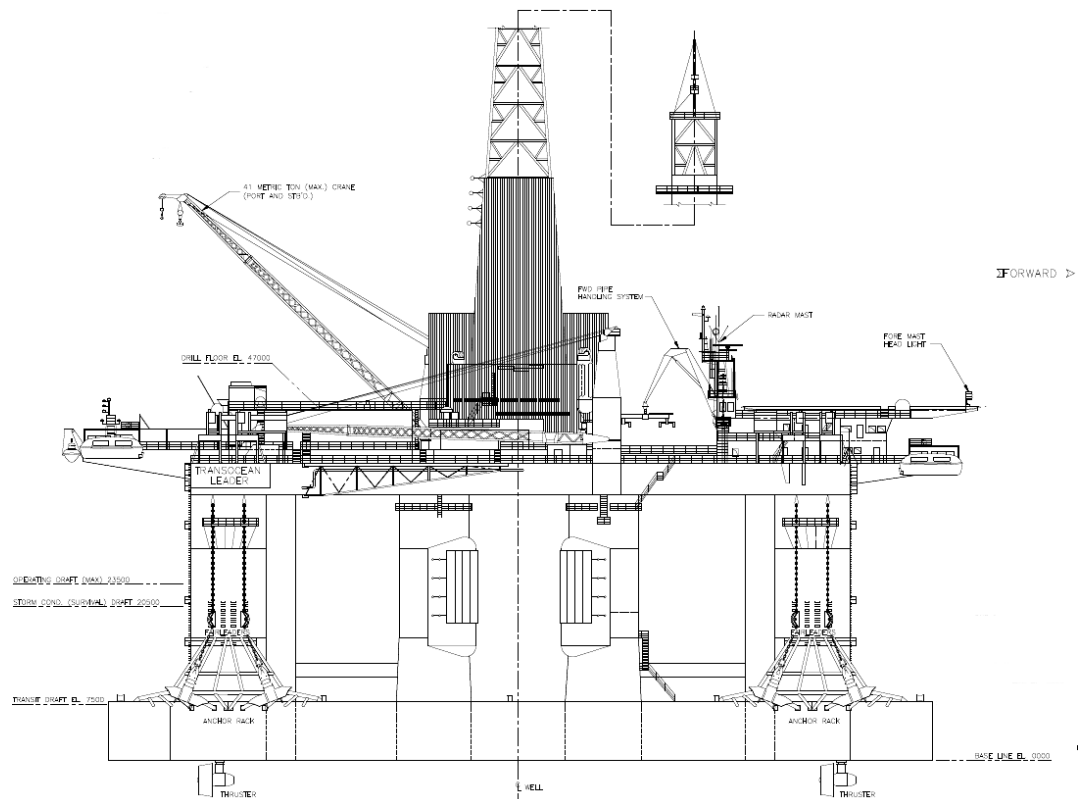
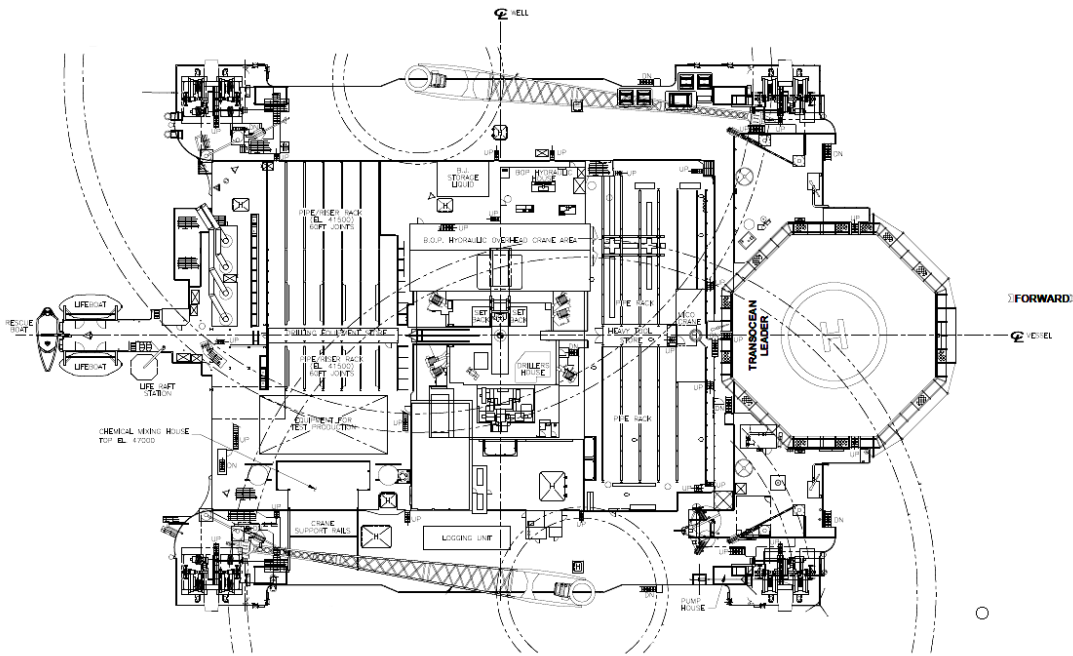


These specifications are intended for general reference purposes only, as actual equipment and specifications may vary based upon subsequent changes, the contract situation and customer needs. All equipment shall be operated and maintained at all times, in compliance with Transocean standard operating 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.

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BOUNDLESS

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**SERVICE FOCUSED
DATA DRIVEN
PERFORMANCE ORIENTED**



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