

PAUL B. LOYD JR.

HARSH-ENVIRONMENT SEMI-SUBMERSIBLE



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General Description

Design / Generation	Aker H 4.2 Harsh Environment
Constructing Shipyard	Hyundai Heavy Ind. South, Korea
Year Entered Service / Significant Upgrades	1990
Classification	DNVGL 1A1 Column Stabilized Drilling Unit – Non Self Propelled
Flag	Vanuatu
Dimensions	360 ft. (109.7 m) x 273 ft. (83.2 m) x 130 ft. (39.6 m) Deep
Drafts	77.10 ft. (23.5 m) operating / 24.5 ft. (7.4 m) transit
Accommodation	120 persons
Displacement	43,545 st (39,503 mt) operating / 28,671 st (26,009 mt) transit
Variable Deck	3,417 st (3,099 mt) operating / 2,778 st (2,520 mt) transit
Transit Speed	up to 5 knots
Maximum Water Depth	1,969 ft. (600 m) designed / 1,969 ft. (600 m) outfitted
Maximum Drilling Depth	20,000 ft (6,096 m)

Drilling Equipment

Derrick	Dreco, 170 ft. (52 m) high, with 40 ft. (12 m) x 40 ft. (12 m) base.
Hookload Capacity	750 st (680 mt) capacity
Drawworks	National Oilwell 1625DE, 3 x GE 725 DC electric motor; 3,000 hp
Compensator	Brown Brothers, 25 ft. (7.6 m) stroke, 300 st (272 m) compensating, 750 st (680 mt) locked
Rotary Table	National Oilwell C495 49-1/2" hydraulic, 880 st (798 mt)
Top Drive	Varco TDS4SH, 560 st (508 mt) capacity, with 1 x GE752 motor, rated to 45,500 ft.-lbs. continuous drilling torque in low gear
Tubular Handling	Aker MH (Upper and Intermediate stand lift racking arms, Rig floor manipulator) pipe racking system. Varco AR3200 Iron Roughneck
Mud Pumps	3 x National 12-P-160 1,600 hp Triplex pumps, each driven by 2 x GE-752 traction motors
HP Mud System	Rated for 5,000 psi
Solids Control	4 x Thule VSM 300 shale shakers

Power & Machinery

Main Power	8 x NOHAB F316A diesel engines rated at 3,580 kW, 900 rpm, each driving 1 x 3,400 kW AC generator
Emergency Power	1 x GM Detroit Diesel Allison diesel engine rated 1,049 kW, 1,800 rpm driving 1 x AC generator
Power Distribution	14 x GE Microdrill 750 VAC SCR switchboards

Storage Capacities

Fuel Oil	17,743 bbl (2,821 m3)
Liquid Mud	Surface Mud System 3,232 bbl (513.8 m3) / P16 Reserve 600mt
Base Oil	3,748 bbl (595.8 m3)
Brine (@1.2 SG)	3,145 bbl (500 m3)
Drill Water	13,632 bbl (2,167 m3)
Potable Water	4,236 bbl (673 m3)
Bulk Material (barite/bentonite)	(mud + cement) 20,000 cu.ft (386 m3)
Sack Storage	1,130 sq.ft (104 m2) / 4,000 sacks

BOP & Subsea Equipment

BOP Rams	1 x Hydril Compact Triple 18-3/4" x 15,000psi ram preventer, 1 x Hydril Compact Double 18-3/4" x 15,000psi ram preventer (5 rams total)
BOP Annulars	1 x Hydril Dual Annuflex 18-3/4" x 10,000psi preventer (2 annulars total)
BOP Handling	Asea Hagglund BOP crane 1 x 300st (272 mt) main hoist. 1 x Overhead crane with 2 x 60st (54 mt) hooks (total capacity 120st (108 mt), also used to assist tree handling)
Marine Riser Tensioners	Cameron RD21, 21" OD x 20" ID x 50 ft. (15.2 m) joint 4 x NL Shaffer Double riser tensioners, 40 st (36 mt) each; 2 x Western Double riser tensioners 50 st (45 mt) each
Diverter	49-1/2" 500 psi Hughes KFDS Line ID diverter with 14" flow line
Tree Handling Moonpool	1 x MOSS Skid rail type 1 x 150 st (136 mt) 32 ft. (9.7 m) length x 22 ft. (6.7 m) Width

Station Keeping / Propulsion System

Thrusters	8 (2 each corner) azimuthing Schottel thrusters, each driven by NEBB QWV 710 A8 motor 2,800 kW, variable blade
Mooring System	4 (double) Pusnes 620 CU Hydraulic/Electric drum winches with 341 st (309.9 mt). static brake capacity, 8 x mooring lines (if present) consisting of 6,233 ft. (1,899 m) of 3" stud link chain, with 6 x Stevpris Mk5 16.5 st (14.9 mt). anchors and 2 x Stevpris Mk6 13.2 st (11.9 mt) lbs. anchors

Cranes

Crane #1	1 x 82.5 st (74.8 mt) Liebherr BOS 2600 crane
Crane #2	1 x 38 st (34 mt) Brattvaag KHO3516 crane with 164 ft.(49.9 m) Boom

Other Information

Helideck	Rated for Sikorsky S-61N / S 92 helicopters. 89 ft. (27 m) diameter.
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Revision Date: 14 July 2022

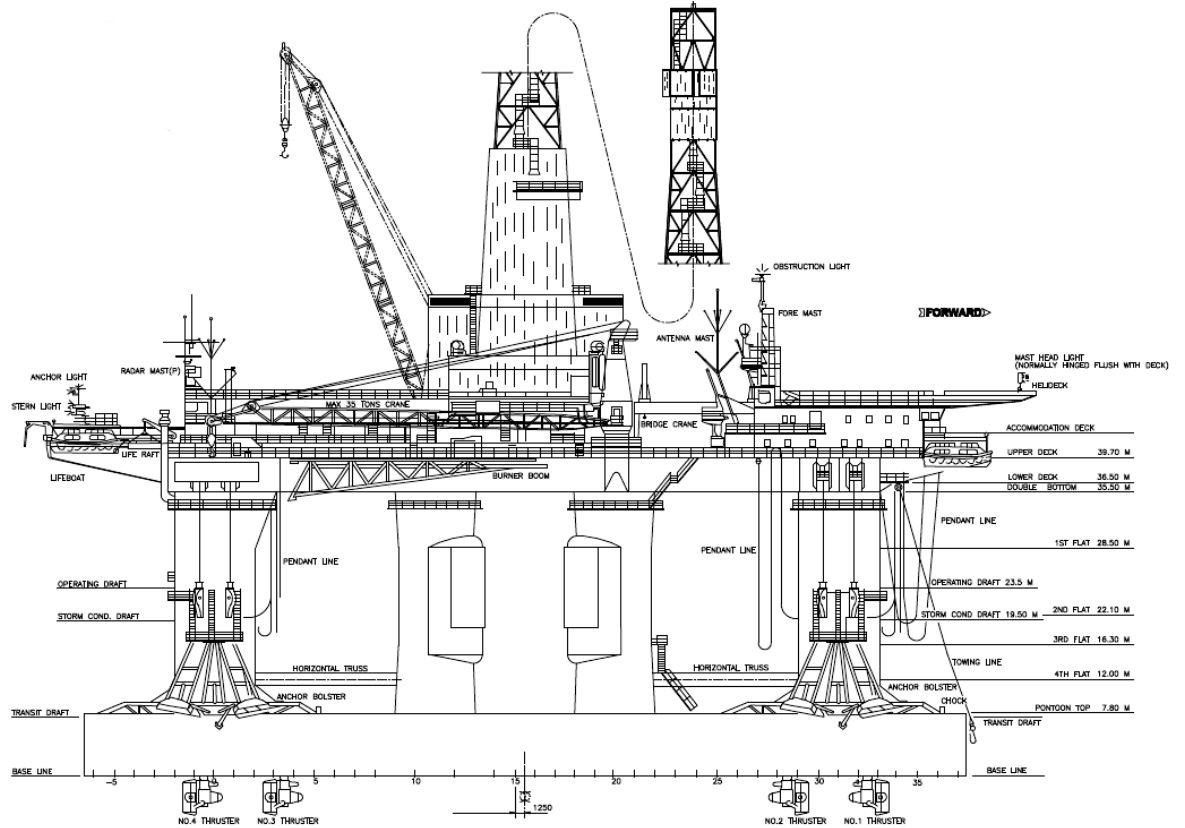
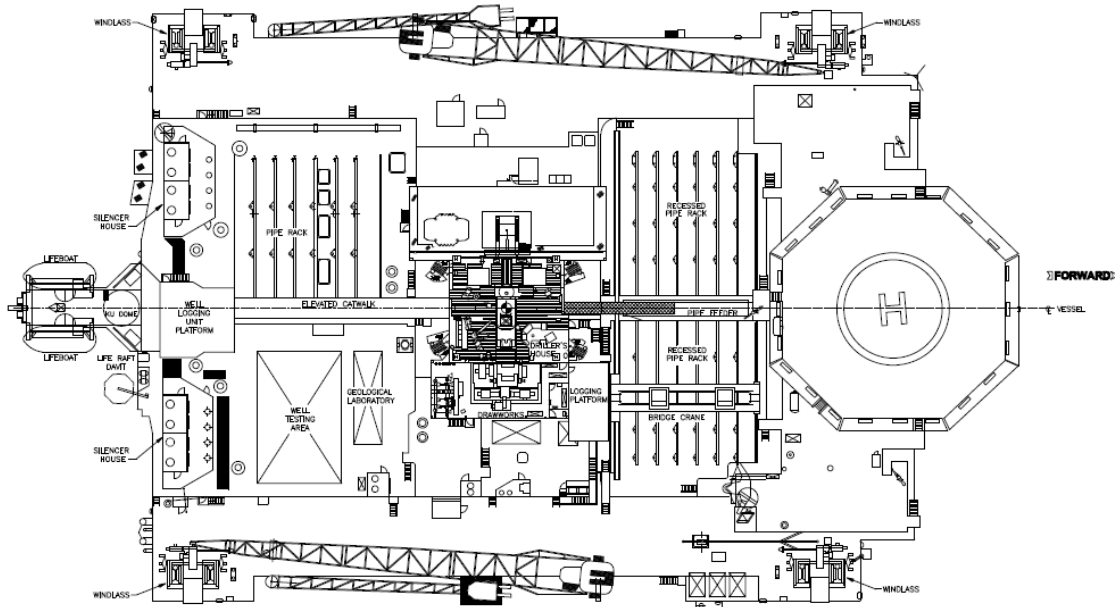


These specifications are intended for general reference purposes only, as actual equipment and specifications may vary based upon subsequent changes, the contract situation and customer needs. All equipment shall be operated and maintained at all times, in compliance with Transocean standard operating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