

TRANSOCEAN ENDURANCE

HARSH-ENVIRONMENT SEMI-SUBMERSIBLE



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General Description

Design / Generation	GVA 4000 NCS
Constructing Shipyard	DSME
Year Entered Service / Significant Upgrades	2015
Classification	DNV GL + 1A1 Column Stabilized Drilling Unit (N)
Flag	Norwegian
Dimensions	380.5 ft. (116 m) long x 3,205 (97 m) wide (main deck)
Drafts	82.5 ft. (25.15 m) max operating / 76 ft. (23.15 m) operating / 31 ft. (9.45 m) transit / 64 ft. (19.5 m) survival
Accommodation	130 persons
Displacement	64,638 st. (58,639 mt)
Variable Deck	4,409 st. (4,000 mt) operating / 3,307 st. (3,000 mt) transit
Transit Speed	up to 7 knots
Maximum Water Depth	1,640 st. (500 m)
Maximum Drilling Depth	27,887 ft. (8,500 m)

Drilling Equipment

Derrick	MH Wirth /Beam Leg Construction, Single lift H: 170.6 ft. (52.0 m) Offline stand building
Hookload Capacity	750 st (680 mt) capacity
Drawworks	MH Wirth /GH 3000 EG-AC-SV-01
Compensator	MH Wirth – DSC 750 st. (680 mt) Static, 500 st. (454 mt) compensating. AHC 28 st. (25.6 mt) compensating
Rotary Table	MH Wirth RTSS 60 1/2" – 1,250 st. (1,134 mt)
Top Drive	MH Wirth DDM – 750 – AC - 2M
Tubular Handling	Riser feeding machine, 2 x pipe rack cranes, 2 x tubular feeding machine
Mud Pumps	3 x MH Wirth 2,200 hp. 7500 psi working pressure
HP Mud System	Rated for 7500 psi. K&C manifold 15000 psi.
Solids Control	5 x MH Derrick Dual pool 600 shakers
Control Mud Level	1 MW Subsea pump. Pump depth rating 1,312.3 ft. (400 m), 6,000 ltr/min pump capacity.

Power & Machinery

Main Power	6 x Wartsila 12V32 engines rated 5,850 kw, 720 rpm, each driving Siemens 6,588 kVA AC generators. Total capacity 35.1 MW.
Emergency Power	3 x main engines (one in each engine room) classified as emergency engines/generators.
Power Distribution	Kongsberg Maritime K-Chief 700 Integrated Automation System, closed ring / 3 split, 11 Kv, 690V, 440V, 230V.

Storage Capacities

Fuel Oil	16,354 bbl. (2,600m ³)
Liquid Mud	9,089 bbl. (1,445m ³)
Base Oil	3,956 bbl. (629m ³)
Brine	4,277 bbl. (680m ³)
Drill Water	9,485 bbl. (1,508m ³)
Potable Water	4,283 bbl. (681m ³)
Bulk Material (barite/bentonite)	2,139 bbl. (340m ³)
Sack Storage	1,113 bbl. (177m ³)

BOP & Subsea Equipment

BOP Rams	Cameron EVO 18-3/4" 10,000 psi 5 x ram preventers
BOP Annulars	1 x Annulars
BOP Handling	Overhead BOP crane 2 x 165 st. (150 mt) with aux winch
Marine Riser	21", 50 ft. (15.2 m) long, WT 0.625 inch. 500 psi.
Tensioners	Wire line 4 dual and 4 single with a max wire pull of 756 st. (686 mt)
Diverter	16" flow line, 2 x 16" overboard lines
Tree Handling	Overhead Xmas Tree crane 2 x 55 st. (50 mt) aux winch MH Wirth dual XT stack-up with flush deck skidding arrangement and XT elevator from main deck to moonpool
Moonpool	33.8 ft. (10.3 m) Fwd to Aft x 29.5 ft. (9.0 m) Port to Stbd + Key slot to port side 16.7 ft. (5.1 m) Fwd to Aft x abt 54 ft. (16.5 m) to Port to Stbd

Station Keeping / Propulsion System

Thrusters	6 x Wartsila FS3503-571 each at 4 MW
DP System	Kongsberg DP Class 3 (DYNPOS AUTRO and DYNPOS-ER)
Mooring System	POSMOOR ATA(R) – 4 x Rolls Royce windlasses, 8 Primary lines + 4 prelay

Cranes

Cranes	2 x Liebherr BOS 4200, 110 st. (100 mt) at 29.5 ft. (9 m) to 78.7 ft. (24 m) internal lift / 74 st. (67 mt) at 65.6 ft. (20 m) external lift 1 x Riser handling Knuckle Boom Crane, 38.5 (35 mt) at 39.3 ft. (12 m) to 82 ft. (25m)
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Other Information

Helideck	Rated for Sikorsky S-61N, S92
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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.

