

SONGA DEE

HARSH-ENVIRONMENT SEMI-SUBMERSIBLE



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General Description

Design / Generation	Mitsubishi type MD-602 enhanced design
Constructing Shipyard	Mitsubishi Heavy Industries Ltd. Japan
Year Entered Service / Significant Upgrades	1984
Classification	DNV A1 Column Stabilized Drilling Unit (N)
Flag	Marshall Islands
Dimensions	112 m long x 68 m wide (main deck)
Drafts	20.0 m operating / 6.8 m transit / 16.0m survival
Accommodation	116 persons
Displacement	28,865 mt
Variable Deck	4,300 mt operating / 3,350 mt transit
Transit Speed	up to 6 knots
Maximum Water Depth	458 m
Maximum Drilling Depth	9,143 m

Drilling Equipment

Derrick	Maritime Hydraulics 48.8m (16ft) high 46ft x 46ft
Hookload Capacity	1.2MM lbs load capacity
Drawworks	3000HP Continental Emsco. C311 driven by 3x NEBB DC motors fitted with Elmagco brake and MH Crown and Floor Saver System
Compensator	MH 270/20 crown mounted 20 ft stroke 600,000lbs heave compensator
Rotary Table	Continental Emsco 49 1/2
Top Drive	MH DDM 650, hydraulic driven. Max continuous output torque 50,000 ft/lbs
Tubular Handling	Future catwalk and MH pipe handling system
Mud Pumps	3 x Continental Emsco FB-1600, 1600 HP Triplex pumps
HP Mud System	5000PSI working pressure
Solids Control	4 x Thule shakers

Power & Machinery

Main Power	2 x 3060 BHP Nohab diesel (2,100 kw) max cont load. 2 x 4080 BHP Nohab diesel (2,800 kw) max cont load
Emergency Power	Hedemora V12A/12 diesel coupled to a NEBB type emergency generator
Power Distribution	10 x SCR

Storage Capacities

Fuel Oil	1308 m ³
Liquid Mud	524 m ³
Brine	320 m ³
Drill Water	1687 m ³
Potable Water	398 m ³
Bulk Material (barite/bentonite)	303 m ³
Sack Storage	110 m ³

BOP & Subsea Equipment

BOP Rams	CIW 18-3/4 15Ksi H2S Service2 CIW UII double rams preventers
BOP Annulars	Upper annular preventer, CIW type "D" 18-3/4" x 10M, 10M studded top with BX164 gasket, CIW No. 26 hub bottom with CX18 gasket Lower annular preventer, CIW "D" type 18-3/4" x 10M, CX18 10M 24-stud top with CX18 No. 26 hub bottom
BOP Handling	1 x 220 ton SWL BOP Transporter
Marine Riser	36 x 50 ft Riser Joints 15,000 psi WP Type FCH-8 connectors. Riser Joints fitted with buoyancy elements
Tensioners	12 x 80K NL Shaffer, 60 ft line travel
Diverter	Regan KFDS with 16" flowline and 10" overboard lines
Tree Handling	Future with skid rails
Moonpool	80 x 23.5 ft (24.4m x 7.16m)

Station Keeping / Propulsion System

Thrusters	4 x NEBB 2960 BHP Motor supply. 4 x 24000 BHP controllable azimuthing thrusters (Integral part of the SDPM)
Mooring System	2 x Norwinch triple Forward, 2 Norwinch double Aft

Cranes

Cranes	Port Crane Liebherr BOS 2600-75 D diesel hydraulic (Whip line 15tons at 50m. Starboard crane National Oilwell series 4000 hydraulic knuckle boom, whip line 15tons at 45m)
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Other Information

Helideck	Rated for Sikorsky S-61 or S-92 and Super Puma helicopters
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Revision Date: 30 January 2018

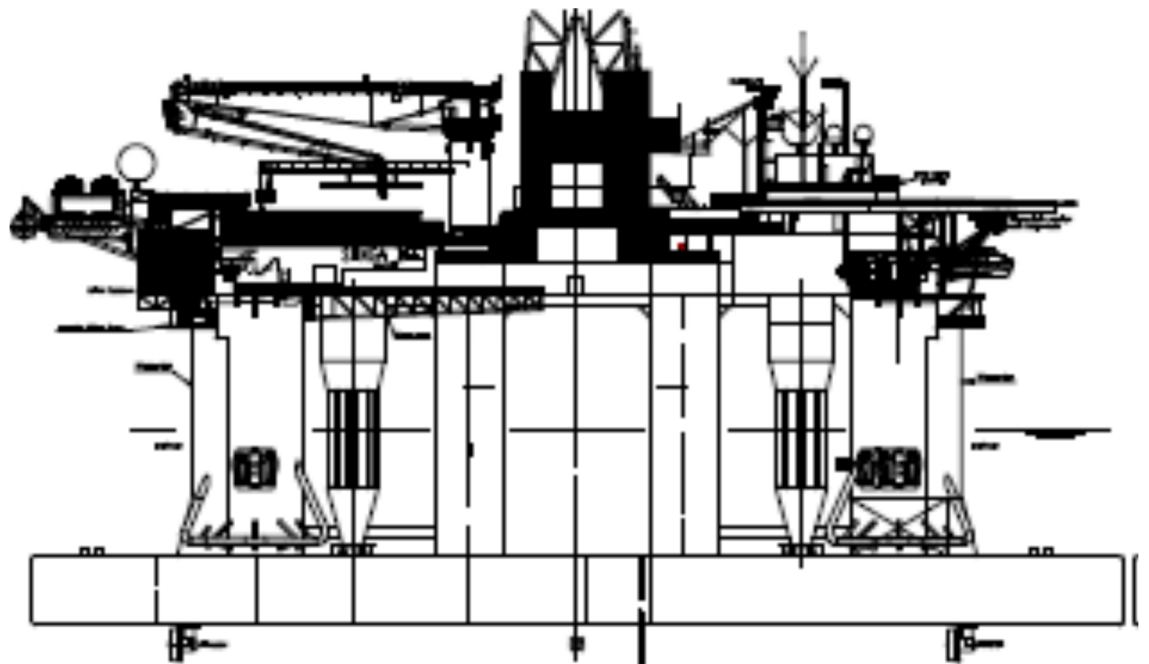
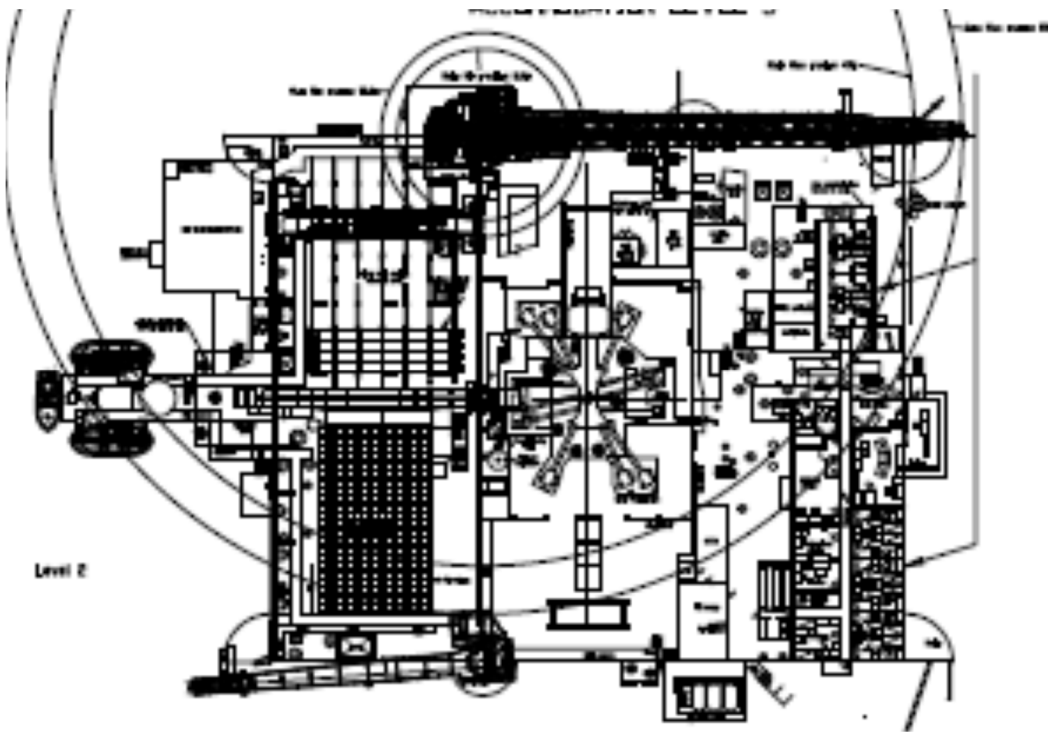


These specifications are intended for general reference purposes only, as actual equipment and specifications may vary based upon subsequent changes, the contract situation and customer needs. All equipment shall be operated and maintained at all times, in compliance with Transocean standard operating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

**SERVICE FOCUSED
DATA DRIVEN
PERFORMANCE ORIENTED**

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