

# Songa Offshore AS



## Deepsea Trym

**Aker H3 Semi-Submersible**  
(1,250 ft. water depth)

**Rig and Equipment Overview**

## EQUIPMENT SPECIFICATIONS

### General

**Rig:** DEEPSEA TRYM  
**Flag:** Norwegian  
**Owner:** Songa Offshore AS  
**Previous names:**  
**Year Built:** 1976  
**Year Upgraded:** 1996- 2002- 2005  
**Design:** Modified Aker H-3  
**Builder:** Verdal/Bergen  
**Classification:** DnV Class A1 Column Stabilized

### Machinery

**Main Power:** 4 x Bergen diesel generating sets, 2200 HP each  
**Power Dist.:** 11 SCR, 8 x Nebb, 3 x ABB  
**Emerg. Power:** 1 x 625 HP Detroit Diesel, generator 600KW  
**Propulsion:** 2 x in line 1700hp NEBB thrusters  
**Cranage:** 2 x Aker 40/15 ton offshore cranes.

### Drilling Equipment

**Derrick:** Alfred Anderson, Dynamic loading capacity 1,000,000 lbs.  
**Drawworks:** National 1625 DE with 3 x 600KW AEG model 1100 DC motors. Elmagco auxiliary  
**Rotary:** National C-495  
**Top Drive:** Hydralift/Natl GE 752, H.T. 650 t, installed  
**Traveling Block:** National 760 H, 650 ton  
**Hook:** n/a  
**Swivel:** n/a  
**Drillpipe:** 5" & 5.5" S-135  
**Drill Collars:** 9.5", 8", 6.5"  
**Pipe Handling:** I.R: Hydratang MPT 200. Installed 2007. Hydralift 22,000 lb SWL,  
**Motion Compensator:** MH "Crown" compensator with 25' stroke and 600K compensating load  
**Cementing Unit:** to be determined by client  
**Mud Pumps:** 3 x National 12-P-160  
**Shale Shakers:** 4 Derrick Flow line, new baskets 2007

### Mooring

**Winches:** 4 Dbl+ 2 Sgl Norwinch windlasses, upgraded  
**Wire/Chain:** 10 x 1700m K4 quality 3" chain  
**Anchors:** 10 x 15 ton Stevepris #5  
**Positioning:**

### Other

**Moonpool:** 68.6 ft x 18.8 ft.  
**Helideck:** 23 meter diameter, 9300 Kg takeoff load.  
**Accommodations:** 100 beds in 50 cabins, 2 hospital beds

### Main Dimensions/Draft/Displacement

**Length:** 108.2m  
**Breadth:** 67.36m  
**Depth:** 36.58m  
**Columns:**  
**Pontoons:** 10.98m width x 6.71m high x 108m long  
**Operating Draft:** 21.34m  
**Ocean Transit draft:** 8m/26.3 ft.  
**Survival Draft:** 18.2 m/ 60 ft.  
**Operating Disp:** 24,167 m/t  
**Ocean Transit Disp:** 16,777 LT

### Operating Parameters

**Max Water Depth:** 1312 ft.  
**Max Drilling Depth:** 25,000 ft.  
**Transit Speed:** 6 knots  
**Operating Conditions:** Drilling max.heave 4.5m with riser  
**Storm Conditions:** Unlatched 8m  
**Design Conditions:** Year round operations in the North Sea

### Capacities

**VDL - Operating:** 2800 LT  
**VDL - Storm:** 2800 LT  
**VDL - Ocean Transit:** 1800 LT  
**Liquid Mud:** 2264 bbls  
**Bulk Mud:** 9217 cu.ft. for barite and bentonite  
**Bulk Cement:** 6710 cu.ft.  
**Sack Material:** 5000 sx  
**Drillwater:** 9591 bbls  
**Potable Water:** 1610 bbls  
**Fuel Oil:** 16,944 bbls

### Subsea Systems

**BOP:** Cameron 18 3/4" x 10,000 WP  
**LMRP:** Hydril 5000 WP annular, Cameron connect  
**BOP Handling:** 1 x 200 ton SWL NorMar BOP transporter  
**Control System:** Hydraulic with acoustic back up  
**Riser Details:** 1000 ft Cameron 20.5" x 5/8" wall with 4" OD 10,000 psi integral choke and kill lines.  
**Choke & Kill:** McEvoy 10,000 WP gate valves and  
**Diverter:** Regan KFDS-3 24".  
**Riser Tensioners:** 8 x 80K Rucker, 50 ft. line travel  
**Guideline Tensioner:** 4 x 16,000 lb, 40 ft. travel  
**Pod Tensioner:** 2 x 16,000 lb, 40 ft. travel  
**TV System:** Closed circuit

These specifications are intended for general reference purposes only as the actual equipment and specifications may vary based upon subsequent changes, the contract situation and customer needs.