

Borgsten Dolphin

GENERAL

Name: Borgsten Dolphin

Flag: Singapore

Owner: Fred. Olsen Energy ASA

Manager: Dolphin Drilling Ltd.

Year Built: 1975

Builder: Aker Group; Nylands Mekaniske Verksted, Norway; Upgraded 1985

Design: Enhanced Aker H3, Self Propelled Semi-Submersible

Classification: DNV + 1A1, Column Stabilised Drilling Unit

MAIN DIMENSIONS

Length: 355 ft (108,2 m)

Breadth: 221 ft (67,4 m)

Depth: 120 ft (36,6 m) from Main Deck

OPERATING PARAMETERS

Water Depth: 1500 ft (457,2 m)

Maximum Drilling Depth: 20,000 ft (6097 m)

Transit Speed: Approx. 4,5 knots

CAPACITIES

Variable Deck Load: 3200 mt operating

Liquid Mud: 1700 bbls

Bulk Mud/Cement: 31931 ft³/ 14901 ft³

DRILLING EQUIPMENT

Derrick: Maritime Hydraulics 160 x 40 x 40 ft, top 18 x 18 ft; Static Hookload capacity 1,250,000 lbs

Drawworks: National 1625-DE

Rotary: National with 49 1/2" opening

Topdrive: National Oilwell PS2 500

Riser Tensioners: 6 x Rucker 80,000 lbs, 50 ft travel (480,000 lbs total capacity)

Motion Compensators: Rucker DSC-18-400-L-C-E; 500,000 lbs compensating and 1,000,000 lbs static load capacity

Mud Pumps: 3 x National 12-P-160

MACHINERY

Main Power: 4 x Hedemora V18/12A rated 2200 hp (4 x 1500 KW)

Emergency Power: 1 X MTU 8V396, Max continuous output 675 KW

Propulsion: In-line propulsion, 2 x 1700 bhp



SUBSEA SYSTEMS

BOP: 1 x Cameron 18 3/4", 10k

Control System: Koomey 26240-3S direct Hydraulic system

Diverter: Regan KFDS

Choke and Kill: 10k

MOORING

Winches: 4 x Brattvaag single hydraulic windlass units + 4 x Pusnes double electric driven windlass units

Wire/Chain: 12 x 4500 ft x 3" ORQ K3/K4 chain

Anchors: 12 Anchors: 8 x Vicinay LWT 30,000 lbs and 4 x Delta Flipper HHP 22,000 lbs

CRANAGE

1 x Aker electric hydraulic 40/15, 40 mt @ 40 ft + 1 x Brattvaag electro hydraulic, 50 mt @ 36 ft

ACCOMMODATION

100 berths