



GVA 4500

DRILLING SEMI-SUBMERSIBLE OF WELL PROVEN DESIGN

GVA 4500

Operation area	Worldwide including North Sea
Operation water depth	2,100 m (7,000 ft)
Drilling depth	Up to 9,140 m (30,000 ft)
Regulations	IMO MODU Code 2001, IMO DP Class 2
Classification	DNV, ABS or Lloyd's
Accommodation	160 persons



Features:

- Designed with sufficient capacity and flexibility to facilitate both exploration and production drilling
- Favorable motion characteristics for efficient and reliable operation also in severe environmental conditions
- Fully integrated fluid handling system with segregated mud and brine system with tanks in pontoons
- Low operation and maintenance costs
- Large deck area for storage of equipment

MAIN PARTICULARS

Length over all:	102.5 m	336.3 ft
Width over all:	88.0 m	288.7 ft
Width outside pontoons:	70.7 m	232.0 ft
Length of pontoons:	89.7 m	294.3 ft
Height of pontoons:	9.1 m	29.9 ft
Height to Main Deck:	36.5 m	119.8 ft
Height of deck box:	8.0 m	26.2 ft
Four columns:	13.7 x 14.5 m	44.9 x 47.6 m
Transit draught:	8.8 m	28.6 ft
Transit displacement:	24,500 tonnes	27,004 s. tons
Transit deck & column P.load:	4,000 tonnes	4,409 s. tons
Operation draught:	20.0 m	65.6 ft
Operation displacement:	34,100 tonnes	37,590 s. tons
Operation deck & column P.load:	5,500 tonnes	6,060 s. tons
Survival draught:	16.5 m	54.1 ft
Air gap in survival:	12.0 m	39.4 ft

MAIN MARINE SYSTEMS/EQUIPMENT

Power generation:	8 x 3,500 kW	8 x 4,690 HP
Thrusters:	8 x 2,800 kW	8 x 3,750 HP
Thruster control:	DP 2	
Mooring system:	8 point mooring system	
Main deck cranes:	2 x 60 tonnes	2 x 66 s. tons

MAIN DRILLING SYSTEMS/EQUIPMENT

Derrick for up to 124 ft stands:	680 tonnes	750 s. tons
Top drive:	680 tonnes	750 s. tons
Drawworks	680 tonnes	750 s. tons
Riser tensioners, wireline type:	1,090 tonnes	1,200 s. tons
Drilling riser, 75 ft joints:	2,500 kips flange rating	
Mud pumps:	4 x 1,700 kW	4 x 2,200 HP
BOP Stack:	15,000 psi, 5 rams	

TANK/STORAGE CAPACITIES

Fuel oil:	2,300 m ³	14,464 bbls
Drill water:	3,400 m ³	21,382 bbls
Potable water:	620 m ³	3,899 bbls
Mud storage, col+pont:	800 m ³	5,031 bbls
Mud pits:	760 m ³	4,780 bbls
Brine:	570 m ³	3,585 bbls
Base oil:	620 m ³	3,899 bbls
Bulk mud:	500 m ³	17,657 cbft
Bulk cement:	300 m ³	10,594 cbft
Sack storage:	7,500 sacks	7,500 sacks

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