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Ref dc1085

Jack up barge

Year	2001
Modified	2006
LOA	48 m
Breadth	20 m
Depth	4 m
Draft	Lightship draft with drilling equipment on board 1.927 m Lightship draft without drilling equipment on board 1.4 m
Gross Tonnage	877 tons
Net Tonnage	263 tons
Jacking Capacities	16 double acting cylinders - dim. 300 x 160 x 350 mm (4 cylinders per leg)
Rated Capacity of lifting cylinder	Min. 650 t on each leg with a total of 2600 tons Max 800 t on each leg with a total of 3200 tons
Jacking System	Electric hydraulic system with local individual leg control and computerized remote control of 4 legs. Hydraulic Supply is by four independent elecric/hydraulic power pack for each leg with an option to divert flow from one leg to any of the 4 legs Normal working pressure 320 bars and Max. Working pressure of 400 bars Rexroth, Bucher & Vickers flow & control valves are used for fine adjusting and high accuracy
Leg Specifications	4 square legs – dims 1.3m x 30 m each with cone tip of 1 m plus one section of 6m each. The extension has already been fabricated.
Levelling System	The design of the traveling block lifting mechanism is very innovative in that it is equipped with special treaded studs, 4 on each leg to achieve zero tolerance on leveling system
Spuds	The 4 spuds have been constructed to be removable and adjustable and allow barge to have minimal penetration on very soft light ground, hence allowing barge to be a mat barge. The octagonal shaped spuds have the following dimensions: 5.7 m in diameter and an overall height of 1.64 m The construction of the spuds is calculated to take the weight of the Barge and Equipment in accordance with regulations and approval
Central Control Panel	Each system has an electrical control panel on each leg for local operations - Each control panel is linked to the main computerised control panel at the operating control station -The system is a Mitsubishi Electronic control system with touch screen control, which also provides safety features for shutting off the system in case of high & low pressure, misalignment of the barge, min. oil level etc.
Electrical System	24V DC – protected against short circuits by automatic circuit breakers. Electric motor short circuit and overload protection is carried out by motor protection switches. Protection from high voltage touch is carried out by low voltage. Complete control and surveillance is at 24 VDC.

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Air Draft	Normal Working 5 m and can be increased to 7 m	
Double bottom tanks		
Capacity	Fuel Oil Tanks	44.00 t
	Drilling Water Tanks	168.80 t
	Slop Tanks	212.80 t Ballast tanks 278.00 t
	Available tanks	124.90 t
Deck Strength	60 KN/sqm	
Deck Area	900 sq. m	
Cranes	The Jack Up Platform is serviced with two Hydralift cranes, one at each end.	
	Crane no 1Max. Load at 19 m radius 3.00 tons	
	Crane no 2 Max. Load at 10 m radius 3.20 tons	
	Winches 4 hydraulic winches with 8 ton pull capacity. 100m length and 22mm thickness wire. One on each end. Vessel Features The foreside of the barge is shaped with a 13 x 2 m slot to allow demob operations from the drilling well site. Reinforced frames and pillars are provided under rotary table and drilling basis. The barge has been designed and built to perform versatile jobs for shallow water drilling, working platform, mat barge and grounding barge with a great lifting capacity	

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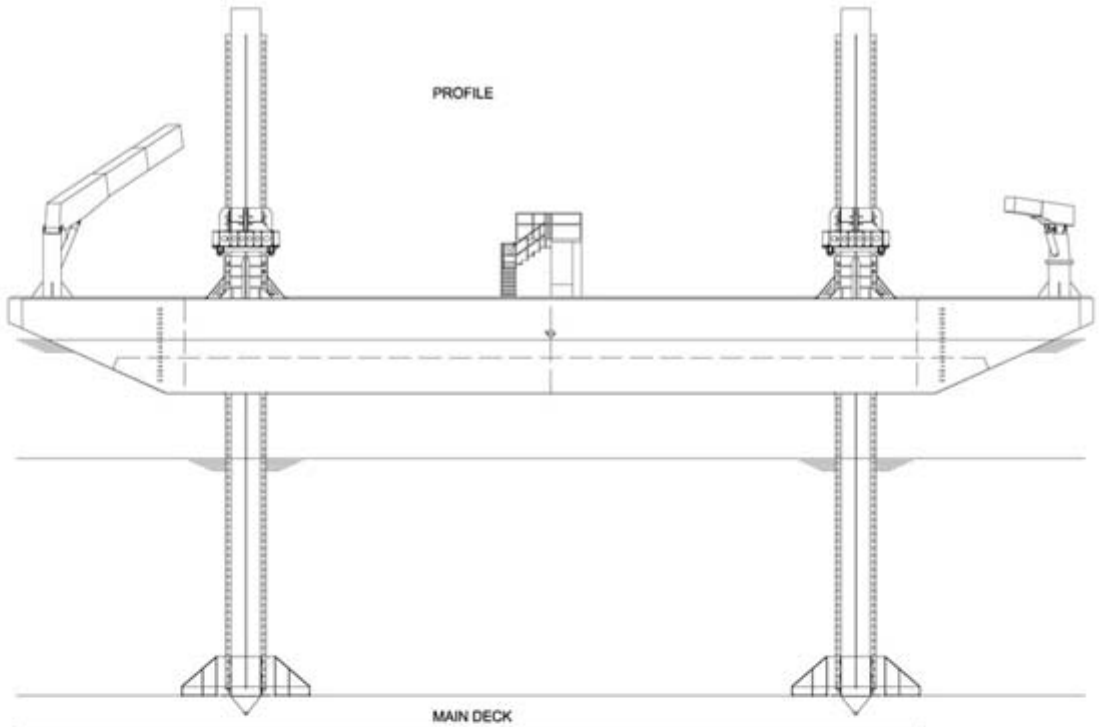
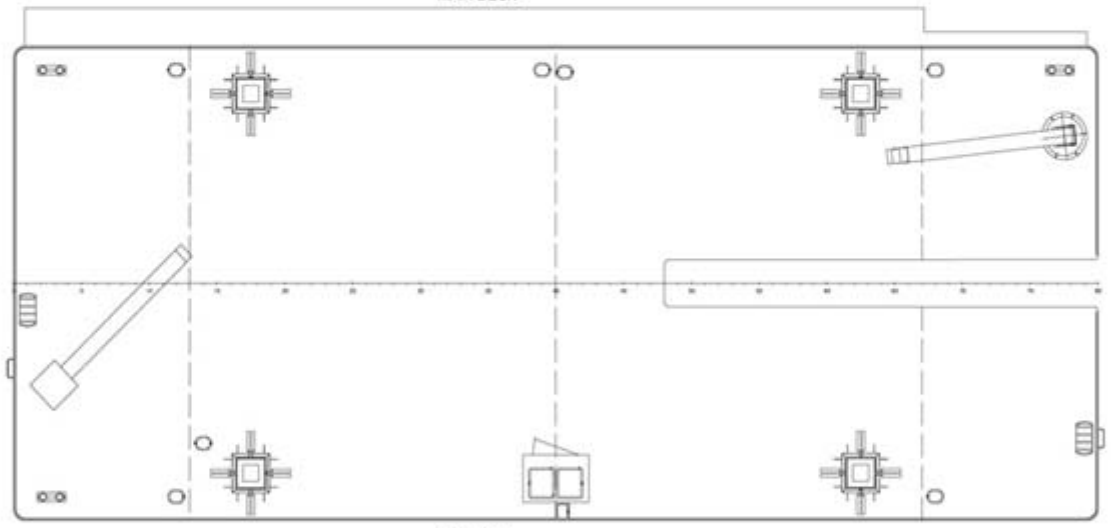
PROFILE



MAIN DECK



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