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60m Self-Elevating Drilling Unit



Listing ID - 1453

Description Self-Elevating Drilling Unit

Date New

Launched

Length 59.745m (196ft)

Beam 55.78m (183ft)

Location China

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Gulf Driller V, the Super M2 Self-Elevating Drilling Vessel consists of a modified triangular hull with three (3) triangular truss work legs each fitted with spud cans at their lower ends. The modified triangular hull is 59.745m long, 55.78m wide, and 7.62m deep at the side. The three (3) legs are spaced with the forward leg on the centerline of the vessel and the two after legs 35.055m aft and 18.3m outboard of the centerline of the forward leg. The spud cans which form the lower segments of each leg are 12.09m in diameter and 4.57m high. The drilling depth is 30,000ft. The quarters house is constructed above the main deck and around the bow leg and consists of a four (4) story building for a 110 man crew.

General

Class: ABS

Notation: ABS XA1 Self-Elevating Drilling Unit, CDS, CPS, CRC

Principal Dimensions

LOA: 59.745m

Beam Overall: 55.78m

Depth moulded: 7.62m

Transit Draught: 4.8m

No. of Legs: 125.3m
Spud can diameter: 12.09m
Spud can height: 4.57m
Drilling Depth: 30,000ft

Design Environment

Service Area: TBA
Water Depth: 91.44m
Air Temperature: -10 degree Celsius min to 45 degree Celsius max
Humidity: 30% min to 90% max
Wind Survival Operations: 100 kts
Seawater Temperature: 0 degree Celsius to 35 degree Celsius
Density: 1025 kg/m³ (For design purposes)
Corresponding Wave Period: 13.5 sec
Wave Height: 15.24m (Survival, of the water depth 300ft);
16.36m (Survival, of the water depth 250ft)

Cargo Capacities

Deck Load: 9000 kips
Pipe Rack: 540 lbs/ft²
Main deck (outside pipe rack): 540 lbs/ft²
Quarter's deck: 90 lbs/ft²
House Tops: 150 lbs/ft²
Machinery Spaces: 270 lbs/ft²
Sack Stores: 540 lbs/ft²

Machinery / Propulsion

Main Engine and Generators: Caterpillar 3516C HD Offshore
Generator Set: 5 Set, 1603kW, 600V, 60Hz
Emergency: Caterpillar 3412C Emergency
Generator Set: 1 set 730 kW, 480V, 60Hz, 1800rpm
Fuel Purifier: 250 GPH Two (2) Alpha-Laval MAB or equal
Oily Water Separator: 5m³/h, the max oil content <15ppm
Sewage Plant: 1x 110 man capacity, gray & black water
Preload System: 3 centrifugal, vertical submersible pumps, 500m³/h @ 50m head
FW Generator: 2x 30m³/D
Air Compressor: 2x Rig Air Compressor;
1182m³/h @ 9 bar / 460V-3P-60HZ/IP44
1x bulk air compressor
1182m³/h @ 8 bar/460V-3P-60HZ/IP44
Cargo Pumps: 2x Fuel oil transfer pumps, 13m³/h @ 4.5ba RPM 1750 rpm/460V-3P-60HZ/IP55
Jacking System: NOV-BLM D60H/Super MOD2
Rack Chocks Sys: Friede & Goldman Arcos

Fire Fighting & Safety

Fire Fighting: 2x pumps 160 m³/hr @ 7 bar
RPM 3500 rpm/460V-3P-60HZ/IP55
Life Boats: 2x 110 person / diesel drive / speed 6 knot; 1x Rescue Boat (6 men)
Life Rafts: 5x 25 men

Helideck

1x Heli-deck suitable for Sikorsky S-61N helicopter

Navigation Equipment

Including electronic aids, electronic telecommunication system, radio telecommunication equipment, sensing, indicating and control equipment in accordance with the Regulatory Body requirement

Communication Equipment (GMDSS)

- 2 Inmarsat C
- 2 GMDSS Radio MF / HF
- 3 VHF radios
- 1 Satellite EPIRB
- 1 Navtex receiver
- 6 hand held VHF transceiver
- 2 Radar Transponder for lifeboats, the other 2 in jacking control room
- 1 Aviation VHF installed in the Jacking Control room for Helicopter Communications
- 2 Waterproof VHF radios for use in the Survival Capsuled (portable)
- 2 VHF located in Jacking Control room (portable)
- 2 VHF Radio located in cranes
- 6 UHF handheld transceiver
- 1 Fleet Broadband 500

Accommodation

The accommodation and mess facilities are fit for 110 persons. The accommodation shall follow the guidelines for ILO regulations and be able to house 110 men in 4-man cabins (Have Approached Flag state for release)

Refrigerated Storage Capacity

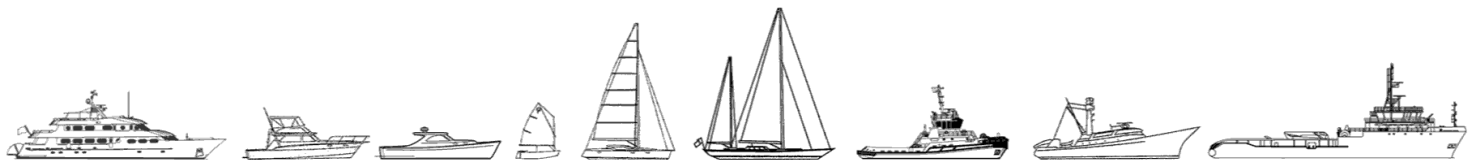
- Cold Store: 1x 13m³ walk in Freezer
- Chiller: 1 x 16m³ walk in Chiller room
- Provisions: 1x 25m³ walk in Provisions room

Deck Machinery

- Main Deck Crane: 1x 120ft 50 ton at 24ft diesel drive; 1x 100ft 50 ton at 21ft / diesel drive
- 4 Point Moor System: 4x Single Drum Winches, Brake Hold 1170 kN, first layer
- Anchors: 4x anchors, 3.1752T ea
- Towing Gear: Bridle, 8m x 66mm steel chain; Hook-up, 5 ton Air tugger winch Rating, MBL 320T



The details of all vessels are offered in good faith but we cannot guarantee or warrant the accuracy of this information nor warrant the condition of the vessel. Any buyer should instruct their agents, or their surveyors, to investigate such details as the buyer desires validated. This vessel is offered subject to sale, price change, location or withdrawal without notice.



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