



## DRILLMEC 2000HP LAND RIG PACKAGE



Land rig manufactured in accordance with API standards

All equipment will be certified for use in hazardous areas classifications in accordance with API – RP 500 specifications. Suitable for -20°C +50°C temperature range.

### **MAST** DRILLMEC DM1300

Swing lift cantilever mast self elevating, open face, to raise the mast and substructure only drawworks and mast raising line are requested.

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Clear height from drilling floor 156 ft (47549 mm)

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Base 35 ft (10668 mm)

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Static hook load 1,300,000 lbs (590 metric ton) with 14 lines

### **SUBSTRUCTURE DRILLMEC DM1300**

Substructure is designed in two sections: setback section is raised with mast, and drawworks section is self elevating by raising system and drawworks.

Casing load capacity 1,300,000 lbs (590 metric ton)

Setback load capacity 800,000 lbs (362 metric ton)

Simultaneous capacity 2,100,000 lbs (952 metric ton)

Height from ground floor 35 ft (10,668 mm)

Clear height under rotary beams 30 ft (9,144 mm)

Drill floor dimension (W x L) 45 ft x 38 ft (13,700mm x 11,800 mm)

### **DRAWWORKS DRILLMEC MAS 7000**

Single drum, electric drawworks, driven by two GE electric motors AC (rated input power 2000hp) with chain transmission and mounted on two skid units (drawworks skid, electric motor skid). The Drawworks package will be delivered complete with autodriller and all

necessary lubrication, instrumentation and controls

**ROTARY TABLE 37½"** Made by DRILLMEC with 37.1/2" (953 mm) opening.

### **MUD PUMPS DRILLMEC 12T1600**

Quantity: Three (3) – Made by: DRILLMEC

- Rated input 1600 Hp (1193 kW) at 120 SPM. Driven by AC motors

- Max stroke per minute 120 SPM

- Max delivery 3127 l/min (826 GPM) with 7.1/2" piston at 120 SPM

- Max Discharge pressure 345 bar (5000 psi) with 4.1/2" piston

### **ELECTRIC TOP DRIVE**

Made by: Tesco; Model: 500-ESI-1350

### **DIESEL GENERATORS**

Made by: Caterpillar; Quantity: Five (5) ; Model :3512B

### **POWER CONTROL ROOM**

The PCR (Power Control Room), made by DRILLMEC, is intended to be as a complete power system for the control of five (5) diesel-electric generator sets in parallel, and nine (9) AC drilling motors:

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One (1) Drawworks 2000 hp with Two (2) AC motors

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One (1) Rotary table 800 hp with One (1) AC motor or One (1) Top Drive System

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Three (3) Mud pumps 1600 hp, each with Two (2) AC motor (system designed to manage three mud pumps: only two mud pumps can be run simultaneously, one mud pump as back up)

Made by: DRILLMEC and capable to drive all electric devices in rig package.

### **MUD SYSTEM**

Made by DRILLMEC composed of five (5) mud tanks with total capacity of 2260 bbl (360 m3). Solid equipment by Swaco.

### **GROUND HIGH PRESSURE LINE**

Made by DRILLMEC :

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Ground manifold to connect three (3) mud pumps

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Two (2) High pressure line on ground level for connect ground manifold with stand pipe manifold

### **AIR UNIT & DRILLING EQUIPMENT**

Ingersoll Rand compressor: 2 for Air receivers and 1 for Start air compressor, complete with utility house

### **RIG INSTRUMENTATION**

Data acquisition system model DMS-Manager & drilling instrumentation made by DRILLMEC