



**EXALO**

**GRUPA ORLEN**

# TECHNICAL RIG SHEET

# IRI 1200



## PRINCIPAL PARTICULARS

Type: **Stationary / Electrical**

Rating: **1200HP**

Drilling depth: **5000m @ 5"DP**

## DRAWWORKS

Type: **IRI - 1200**

Horsepower rating: **1200HP**

Driven by: **2x GE752 DC electric motor**

Drilling line diameter: **1 ¼"**

Auxiliary break: **Elamgo Baylor 6032**

## MAST

Type: **IRI - 1200**

Height: **43,3m**

Hook load: **294t @ 12 lines**

## SUBSTRUCTURE

Type: **IRI - 1200**

Total height: **9,14m**

Clear height: **7,98m**

Setback capacity: **159t**

Total capacity: **454t**

## ROTARY EQUIPMENT

Rotary table type: **Ideco LR-275**

Rotary table opening: **27 ½"**

Rotary table capacity: **517t**

Driven by: **drawwork's**

Top Drive System: **Bentec TD-500-XT**

TDS capacity: **454t**

TDS max. torque: **5 2000 ft lbs**

TDS max. speed: **230 rpm**

TDS drive: **AC-Induction Motor**

## TRAVELING EQUIPMENT

Traveling block type: **Bentec 400-5-50**

Block capacity: **362t**

Q – ty of sheaves: **5**

## DRIVE GROUP

Engine type: **5x CAT 3512 B**

Horsepower rating: **5x 1033 HP**

Generator type: **5x Caterpillar SR-4**

Generator rating: **1200 kVA/ 750kW each**

Generator voltage: **600 V / 50 Hz**

SCR/VFD unit: **ROSSHILL CONTROL**

Compressors: **2 x Boge S90**

## MUD SYSTEM

Mud pumps type: **3x Ideco T-1300**

Horsepower rating: **3x 1300HP**

Power pump: **2x GE752 DC**

Shale shakers: **3x MI Swaco Mongoose**

Mudcleaner: **1 x MI Swaco**

Degasser: **CD-1400 Centrifugal type**

Active mud system: **322m<sup>3</sup>**

High pressure line: **5000psi**

## BOP EQUIPMENT

BOP control unit type: **Koomey 80**

Single ram BOP: **Control Flow13 5/8"-10K Type U**

Double ram BOP: **Control Flow13 5/8"-10K Type U**

Annular BOP: **GK 13 5/8"-5K**

## INSTRUMENTATION

Weight indicator: **Martin Deker - Typ EB**

Drilling control system: **DrillLab**



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