

# Bentec Euro Rig 450

## Stationary diesel – electric VFD system rig

### PRINCIPAL PARTICULARS

Type: Stationary/Electrical  
Rating: 2000 HP  
Drilling depth: 6000m @ 5" DP

### DRAWWORKS

Type: Bentec E-2000 AC  
Horsepower rating: 2000 HP  
Driven by: 2 x 850kW (AC motors)  
Drilling line diameter: 1 1/2"  
Auxiliary break: STROMAG Typ: IBV130C-4Ex

### MAST

Type: Bentec Euro Rig Bootstrap  
Height: 43,8m  
Hook load: 450t @ 12 lines

### SUBSTRUCTURE

Type: Bentec Box on Box  
Total height: 9m  
Clear height: 7,4m  
Setback capacity: 260t  
Total capacity: 710t

### ROTARY EQUIPMENT

Rotary table type: Kerui ZP 375  
Rotary table opening: 37 1/2"  
Rotary Table capacity: 596t  
Driven by: AC electric motor  
Swivel type: integrated with TD  
Swivel capacity: 500t  
Top Drive System: Bentec TD 500HT  
TDS capacity: 454t  
TDS max. drilling torque: 46 500 ft lbs  
TDS max. speed: 230 obr/min  
TDS Drive: AC 758kW  
Iron Roughneck: WSC-120

### TRAVELING EQUIPMENT

Traveling Block type: Bentec TB-500-6-60-1.1/2  
Block capacity: 500t  
Q-ty and size of sheaves: 6 x 60"

### DRIVE GROUP

Engine type: 4 x CAT 3512 B  
Generator type: 4 x CAT SR4B  
Generator rating: 4 x 1714 kVA  
Generator Voltage: 600VAC / 50Hz  
SCR/VFD Unit: VFD - Bentec  
Compressors: 2 x Atlas Copco GA 45  
Grid supply connection possible

### MUD SYSTEM

Mud Pumps type: 2 x Drillmec 12T 1600  
Horsepower rating: 1600HP each  
Power pump: 2 x 858kW (AC electric motor)  
Shale Shakers: 3 x MI Swaco Mongoose  
Mud Cleaner: 1 x MI Swaco Mongoose 2-12D/8T4  
Degasser: CD-1400 Centrifugal type  
Active Mud System: 240m<sup>3</sup>  
High pressure line: 1 x ID-4"/7500psi

### BOP EQUIPMENT

BOP Control Unite type: CPC type S7S-3550  
Single ram BOP: Cameron 13 5/8"-700 Type U  
Double ram BOP: Cameron 13 5/8"-700 Type U  
Annular BOP: Cameron 13 5/8"-350 Type D

### INSTRUMENTATION

Weight Indicator: Wagner - Type EB  
Recorder: discrete-electronic  
Drilling Control System: Infodrill