
R-67

2000 HP Drilling Rig

RATED DRILLING DEPTH:

6000 m with 5" D.P.

SUBSTRUCTURE:

DZ 450/10.5 Height: 10.5 m (34.5 ft)
Height under rotary beams: 8.91 m (26.24 ft)
Max load of rotary beam: 454 mt (500 sh ton)
Max load of Set Back: 224 mt (247 sh ton)

MAST:

JJ450/45-K, 45 m (147.6 ft) 5 section
Capacity: 454 mt (500 sh ton)

CROWN BLOCK:

TC-450
No of sheaves: 6+1
Grooved: 1 1/2"
Capacity: 454 mt (500 sh ton)

TRAVELLING BLOCK & HOOK:

YC-450 traveling block +DG450 Hook
No of sheaves: 6
Capacity: 454 mt (500 sh ton)

SWIVEL:

SL 450-5 with integrated kelly spinner
Capacity: 454 mt (500 sh ton)
Max working pressure: 350 bar (5000 psi)

TOP DRIVE:

AK MH PTD 500 AC
Capacity: 454 mt (500 sh ton)
Power: 800 KW (1088 HP) AC

DRAWWORKS:

JC 70 DB (2000 HP) two pcs of BENTEC, 1140 HP each
Brake: electrical control hydraulic disc brake
Automatic driller : K187 one pc 50 HP AC motor

ROTARY TABLE:

ZP 375, 37 1/2"
Capacity: 454 mt
Power: 600 KW (816 HP) AC



POWER PLANT:

Diesel Engines: 4 x MTU/DDC 4000 G23, 1420 kW
Generators: 4 x Leroy Sommer 2100 kVA/600V 1344 KW
Cat C-15 gen set 450 kVA/400 V 360 KW
Olimpian Gep-150 150 kVA/400 V 100 KW
Total output power: 5836 kW

CONVERSION SYSTEM:

Siemens VFD

MUD SYSTEM:

Mud Pumps: 3 x F1600 triplex, each pump powered by one electric motor YJ 13A6 type, 1600 HP each
Mud Tanks: 6 (Liquid mud+ Sand Trap) + Trip Tank,
Total capacity: 400 m3
Water Tanks: 3, Total capacity: 110 m3
Shale Shaker: 3 x MI-SWACO Mongoose, Capacity: 1200 GPM each
Mud Cleaner: MI-SWACO Mongoose
Desander: ZQJ 300x2, Capacity: 890 GPM
Desilter: ZQJ 125x8, Capacity: 803 GPM
Mud/gas separator: Atmospheric
Degasser: MI-SWACO Vacuum