

Desert Rig

Standard Desert Rig 3000 hp

Specifications

BENTEC Open Face Self-Elevating, Free Standing (Cantilever) Mast	
System	Rig up by drawworks
Mast height	152.00 ft (46.32 m)
Mast base	35.00 ft x 8.00 ft (10.67 m x 2.45 m)
Maximum rated static hook load	1,500,000 lbs (680 t @ 14 lines)

Substructure	
System	Raising by raising lines
Height of drill floor	152.00 ft (46.32 m)
Free height underneath rotary table	30.00 ft (9.14 m)
Rotary capacity max	1,500,000 lbs (680 t)
Setback load max	800,000 lbs (363 t)

BENTEC Drawworks E-3000-AC (Double Gear)	
Power rating	3,000 hp (2,200 kW)
Drill line diameter	1-5/8 in (42 mm)
Maximum line pull	123,000 lbs (547 kN)

BENTEC Top Drive TD-750-HT	
Load capacity	750 ton (680 t)
Electric motors	1,600 hp (1,200 kW)
Continuous torque	73,760 ft-lb (100,000 Nm)

Three (3) BENTEC Mud Pumps — T-1600-AC (R) 7-1/2 in x 12 in	
Electric motors	1 x 1,600 hp (1,200 kW) each
Maximum pressure	5,000 psi

BENTEC Mud Tank System — Rectangular Tanks	
Active mud volume	1,383 bbl (220 m^3) in basic configuration

BENTEC Rotary Table RDE-375 — Emergency Drive	
Diameter of opening	37-1/2 in (952 mm)

Power Generation
Five (5) engine Caterpillar 3512B with generator Leroy Somer
Emergency generator Caterpillar C 15 ACERT

BENTEC Power Control Room
AC-variable frequency drive

OEM Solids Removal Systems
Shale shaker, mud cleaner with desander and desilter

BENTEC Rig Control System
SYNAPSE™ Rig Control System cyber chair in stainless steel cabin

Software solutions

- SYNAPSE™ Rig Control System
- rigCARE™ Remote Monitoring System
- optiDRILL™
- optiTORQUE™
- optiSLIDE™
- optiPUMP™
- Red-Zone Monitoring
- Cutting Return Monitoring
- Condition Monitoring

Optional equipment

- Fast rig move packages
- Skidding / walking upgrades
- Pad drilling package
- Advanced pipehandling equipment
- Swing up / sling shot substructures
- Grid supply system
- Battery Energy Storage System (BESS)