

Desert Rig

Standard Desert Rig 2000 hp

Specifications

BENTEC Open Face Self-Elevating, Free Standing (Cantilever) Mast	
System	Rig up by drawworks
Mast height	142.00 ft (43.30 m)
Mast base	30.00 ft x 8.00 ft (9.14 m x 2.45 m)
Maximum rated static hook load	1,000,000 lbs (454 t @ 12 lines)

Substructure	
System	Raising by raising lines
Height of drill floor	30.00 ft (9.14 m)
Free height underneath rotary table	25.00 ft (7.60 m)
Rotary capacity max	1,000,000 lbs (454 t)
Setback load max	700,000 lbs (318 t)

BENTEC Drawworks E-450-AC-SG (Single Gear)	
Power rating	2,000 hp (1,470 kW)
Drill line diameter	1-1/2 in (38 mm)
Maximum line pull	92,200 lbs (419 kN)

BENTEC Top Drive TD-500-XT	
Load capacity	500 ton (454 t)
Electric motors	1,140 hp (850 kW)
Continuous torque	52,000 ft-lb (70,580 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
Four (4) 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)