

DESERT RIG 450t

Withstanding extreme environmental conditions. Superior and safe drilling performance.

GENERAL FEATURES

- Hook load capacity: 1,000,000 lbs / 450 t
- Drawwork capacity: 2,000 hp
- Drilling depth capacities: up to 19,700 ft / up to 6,000 m
- Climate: Desert -20°C to +55°C
- VFD

- Testing & commissioning
- Certification



Rating: 2,000 hp / 450 t
Static hook load: 1,000,000 lbs / 450 t
Design drilling depth: 19,700 ft / 6,000 m

UNIQUE FEATURES

- Cantilever mast
- Swing-up substructure
- High rig-up / rig-down capacity and mobility
- Designed for desert condition
- Compact dimensions
- Field proved equipment
- Ease of transportation
- AC powered drives systems

TECHNICAL DATA

DRILLING RIG - «DESERT RIG 450t»

The KENERA DESERT RIG is a 2,000 hp DRILLING RIG drilling system for operating in harsh high temperature environments such as those found in desert. Below are the technical specifications for standard set of the rig. The configuration and design of the drilling rig can be adapted to meet the specific technical requirements of the customer.



MAST

Manufacturer: KENERA LLC
System: Open face, self-elevating cantilever mast, erected with drawwork and raising line
Mast free height: 152 ft / 46.3 m
Hook load capacity: 1,000,000 lbs / 450 t

SUBSTRUCTURE

Manufacturer: KENERA LLC
System: Swing up substructure, erected with drawwork and raising line
Height of drill floor: 30 ft / 9.14 m
Height underneath rotary table: 25 ft / 7.6 m
Setback load max.: 770,000 lbs / 350 t

TOP DRIVE SYSTEM

Manufacturer: KENERA LLC
Type: TD-500-XT
Load capacity: 500 short t / 454 metric t
Electric motor: 1,156 hp / 850 kW
Output torque: 52,057 ft-lbs / 70,580 Nm

IRON ROUGHNECK

Manufacturer: KENERA LLC
Type: IR100
Drive: hydraulic
Design: on rotating base, retractable

DRAWWORK

Manufacturer: HONGHUA
Type: JC70DB
Power rating: 2,720 hp / 2,000 kW.
Drill line diameter: 1 1/2" (38 mm)

MUD PUMPS

Manufacturer:
BOMCO/RONGSHENG/HONGHUA
Type: F1600
Electric motors: 2 x 979 hp (2 x 720 kW)
Max. pressure: 5,000 Psi (7,500 Psi on request)

MUD TANK SYSTEM

Supplied according to customer specifications.
Tanks type: rectangular

ROTARY TABLE

Manufacturer: KERUI
Type: ZP275
Bore diameter: 27 1/2" (698.5 mm)
Static load max.: 500 t
Drive type: electric