

# Mobile Drilling Rig

This mobile drilling rig is designed for efficient and rapid deployment in various drilling operations. It features a robust derrick structure and a mobile base, making it suitable for oil and gas exploration, geothermal drilling, and other industrial applications.



## Overview

### High-Mobility Drilling Solution

This mobile drilling rig features a modular design and compact structure, specifically engineered for rapid deployment and efficient transportation. It is designed to operate reliably in harsh desert environments, capable of functioning in ambient temperatures ranging from -20°C to +55°C. The rig utilizes high thermal-resistant electrical components and advanced air-cooling methods to ensure consistent performance during demanding drilling operations.

## Key Metrics

### Key Performance Metrics

**16400 ft**

Max Drilling Depth (5" DP)

**795 KIPS**

Max Hook Load

**1500 hp**

Max Rated Power

## Technical Specifications

### Drilling Capacity Comparison

Feature	FM1000	FM1500
Max Hook Load (KIPS)	496	695 / 795
Max Drill Pipe Load (KIPS)	265	350 / 396
Rated Power (hp)	920 / 1250	1500
Rotary Table Opening (in)	27-1/2	37-1/2

## Operational Features

### Logistics and Design

- Modular design for easy separation
- Compact structure
- Mast transportable in erect or low position
- Suitable for long-distance transport

### Operating Conditions

Desert Operation Ready, -20°C to +55°C Range, High Thermal Resistance, Air Cooling System

## Equipment Details

### Braking Systems

- Main: Disc brake / energy consumption brake
- Auxiliary: Eddy current brake / E.T.N brake

### Mast Specifications

**142 ft**

Clear Height