

Offshore Geological Exploration Drilling Rig

This offshore drilling rig is designed for sea engineering and geological exploration. It features a frequency converter to adjust rotary speed, offering a long feeding stroke and compact structure.



Overview

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The DSHD-200 is a high-performance sea engineering geological exploration drilling rig designed for demanding marine environments. Featuring a top-drive power head with an adjustable rotary speed frequency changer, it offers precise control for both offshore and land-based drilling operations. Built for versatility, this rig supports drilling in water depths up to 80 meters and is engineered to maintain operational stability in wind conditions below grade 5.

Performance Metrics

Core Performance Specs

200 m

Max Hole Depth

22 kW

Motor Power

8 m

Mast Height

Technical Specifications

Drilling Capabilities

Parameter	Value
Hole Diameter	75 - 220 mm
Operating Water Depth	Up to 80 m
Rod Diameter Options	50 mm, 114 mm
Feeding Stroke	500 mm

Rotary Speed Ranges

- Low speed: 2-33 r/min (forward/reverse)
- High speed: 16-540 r/min (forward/reverse)

Equipment Capacity

Hoisting Capacity

30 kN

Main Hoist

20 kN

Auxiliary Hoist

Operational Environment

Environmental Limitations

Water depth up to 80m, Wind scale < 5 grade, Marine environment, Land-based compatible