HERRENKNECHT RAISE BORING RIG RBR400VF: POWERFUL SHAFT BORING.

- For long raises and large reaming diameters.
- Robust and powerful design.
- Mechanized wrench system and rod handling for improved work safety.
- Highly efficient variable frequency drive.
- Full capacity drilling is possible due to high maximum torque and thrust forces.
RAISE BORING RIG RBR400VF.
TECHNICAL SPECIFICATIONS.

**RAISE BORING RIG**
- Reaming torque: 452 kNm (333,000 lbf.ft)
- Max. static torque: 600 kNm (442,000 lbf.ft)
- Thrust force: 9,200 kN (2,068,000 lbf)
- Inclination (from vertical): 0–45°

**DIMENSIONS**
- Height (extended/retracted): 6.60 m / 4.85 m (21.65 ft / 15.91 ft)
- Width: 2.26 m (7.41 ft)
- Depth: 2.37 m (7.78 ft)
- Rig: 39,000 kg (85,980 lb)
- Stroke: 2.3 m (7.55 ft)

**WEIGHT**
- Rig: 39,000 kg (85,980 lb)

**HOIST UNIT**
- Stroke: 2.3 m (7.55 ft)

**MAIN DRIVE**
- Drive: electric (VF)
- Number of motors: 2
- Installed power: 360 kW (483 hp)
- Rotational speed (pilot drilling): 0 - 50 1/min (0-50 rpm)
- Rotational speed (reaming): 0 - 13 1/min (0-13 rpm)
- Hydraulic drive system: on request

**Drivehead**
- Float: 90 mm (3.54 inch)
- Swivel: ±1°
- Optional: active float system

**Drill Rod**
- Diameter: 12 - 7/8 inch
- Optional diameter: 11 - 1/4 inch
- Length, s/s: 1.524 m (60 inch)
- Other sizes: on request

**HYDRAULIC POWER PACK**
- Power: 110 kW (148 hp)
- Cooling: water-cooled

**ELECTRIC POWER PACK**
- Input voltage: 690 V
- Frequency: 50/60 Hz

**CONTROL**
- Controls: touch screen and control panel

**OPTIONAL EQUIPMENT**
- DIGITAL DRILLING REPORT
- HIGH PRESSURE FLUSHING PUMP
- TRANSFORMER
- PIPE FEEDER
- TRANSPORT FRAME
- CONTROL CABINET
- CHILLER SYSTEM
- FLOW METERS
- DRILLING TOOLS
- OTHER TOOLS ON REQUEST

**CRAWLER**
- Drive: diesel-powered hydraulic drive
- Power: 52 kW (70 hp)
- Grade: max. +25%
- Optional: forklift equipment

**PIECE HANDLER**
- Load: 1,000 kg (2,205 lb)
- Handling system: mechanized
- Optional: axial drill rod adjustment

**WRENCH SYSTEM**
- Handling system: mechanized wrap around wrench
- Optional: fully hydraulically operated

Mechanized drill rod handling and wrench system for safe and easy handling.

The powerful electric drive is ideal for long raises and large reaming diameters. Variable speed and torque limiting control.

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