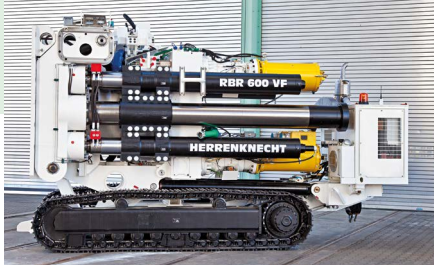


HERRENKNECHT RAISE BORING RIG RBR600VF: POWERFUL SHAFT BORING.

- 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.



Transport system.



Pipe handling.



Control cabin.

RAISE BORING RIG RBR600VF. TECHNICAL SPECIFICATIONS.

RAISE BORING RIG

Reaming torque:	550kNm (406,000lbf.ft)
Max. static torque:	750kNm (553,000lbf.ft)
Thrust force:	10,000kN (2,248,000lbf)
Inclination (from vertical):	0-45°

DIMENSIONS

Height (extended/retracted):	6.65m/4.86m (21.82ft/15.95ft)
Width:	2.39m (7.84ft)
Depth:	2.305m (7.56ft)

WEIGHT

Rig:	48t (105,822lb)
Transport units:	max. 25t (max. 55,000lb)

HOIST UNIT

Stroke:	2.3m (7.55ft)
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Modular design for high degree of flexibility.

PIPE HANDLER

Load:	1,000kg (2,205lb)
Handling system:	mechanized

WRENCH SYSTEM

Handling system:	mechanized wrap around wrench
Optional:	fully hydraulically operated

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

MAIN DRIVE

Drive:	electric (VF)
Number of motors:	3
Installed power:	540kW (724hp)
Rotational speed (pilot drilling):	0-50 1/min (0-50rpm)
Rotational speed (reaming):	0-13 1/min (0-13rpm)
Hydraulic drive system:	on request

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

DRIVEHEAD

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

Drivehead with swivel and float function saves drill rod threads. Active float to reduce weight on threads while make up and break out operation.

DRILL ROD

Diameter:	12-7/8 inch
Optional diameter:	13-3/8 inch
Length, s/s:	1.524m (60 inch)
Other sizes:	on request

HYDRAULIC POWER UNIT

Power:	110kW (148hp)
Cooling:	water cooled

ELECTRIC CONTAINER

Input voltage:	690V
Frequency:	50/60Hz
Output voltage:	400/690V

CONTROL CABIN

Controls:	touch screen and control panel
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OPTIONAL EQUIPMENT

TOOLS

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:	52kW (70hp)
Grade:	max. +25%
Optional:	forklift equipment

Crawler for quick and easy movement and erection of the rig.

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