

# Displacer HB-65



Piling and drilling rigs

#### Features:

- Diesel or electrical driven
- Very compact construction
- Rack and pinion system for optimal pull up pull down forces

#### Advantages:

- No noise
- No vibrations
- High friction of the pile due to displacement
- Small size and great performance
- Fast and accurate positioning of the machine

#### Benefits:

- Up to 30% increased productivity
- Up to 40% less labour costs

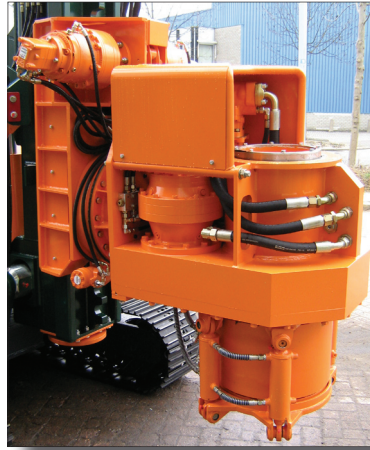
## Drilling machine Model HB-65

Vermeer Machine Techniek drilling machines are suitable for various foundation installation techniques.

Vermeer Machine Techniek supplies machines in the 65 kNm up to 450 kNm displacement drilling range.

The HB-65 is specifically designed for displacement drilling.

The unique rack and pinion system for the pull up /down, the angled rotary table, ingenious clamping system and the very efficient auxiliary winch make the HB-65 a highly efficient drilling rig which installs casings using displacement drilling. The biggest advantage of this process is, that it is vibration free and does not bring up any soil.



### Options:

- 360° slewing ring
- Expanding tracks (1500 - 2000 mm)
- 90° rotating rotary table for side in feed casings
- Electric socket (only on E version)
- Two work lights 24V / 70W
- Painting to customers requirements (max. two colors)

HB-65

### Technical Information:

#### Undercarriage

Track width (std)	2000 mm
Track length	2500 mm
Track plate width	400 mm
Track plate material	steel
Torque	2 x 5,5 kNm

#### Rotary table (model SB-65)

Torque (max.)	6500 kgm
Speed (max.)	9 RPM
Drive	2 motors
Hollow spindle (diam. max.)	Ø 300 mm

#### Casing clamp

Position	underneath the rotary table
Clamp sizes	min. Ø168 mm with swaged end max. Ø 273 mm with swaged end conical hydraulic clamp method

#### Technique

#### Pull up / down system

Drive	hydraulically over rack and pinion
Force	max. 45 kN

#### Mast

Movement of mast	hydraulic; 8° forward, 90° backward, 5° tilting both sides
max./ min. working height	5700 / 2250 mm (excl. sheave head)
Mast (basic and first extension)	4200 mm (with rack and pinion)
Hydraulic mast telescope	1500mm (without rack and pinion)

#### Service winch

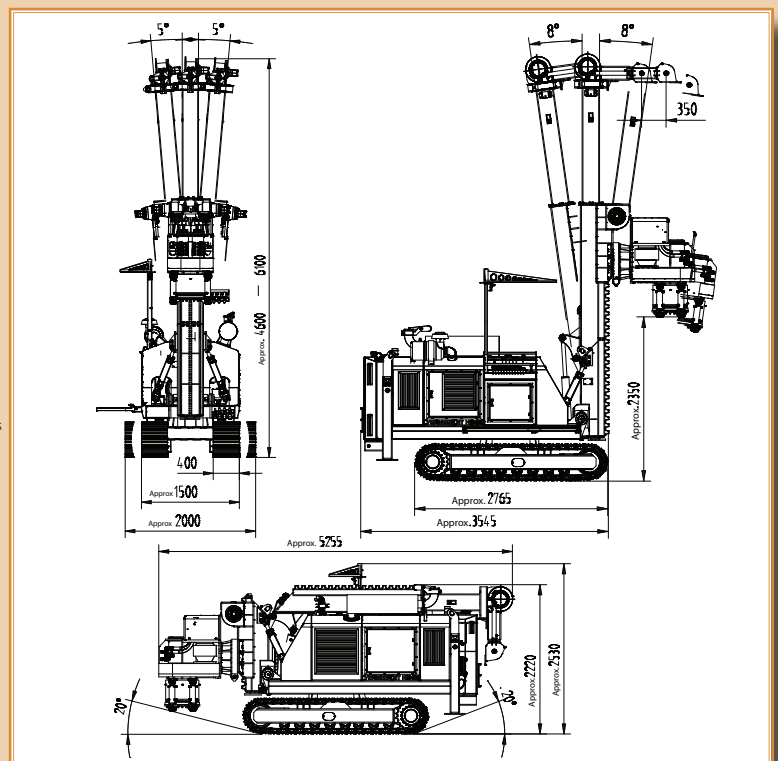
Pull (max)	10 kN
Position	on top of the mast
Slewing ring winch	180°
Hoisting speed	30 m/min
Hoisting control	hydr. proportional
Rope diam./length	12mm / 15m

#### Stabilisers

Position	2 behind - 1 in front
Control	hydraulic proportional

#### Power unit

Diesel engine	Deutz BF4m 90 kW
Electric motor	75 kW
Weight of standard machine	Approx. 9300 kg



Notice: All technical specifications are subject to changes without prior notice.