

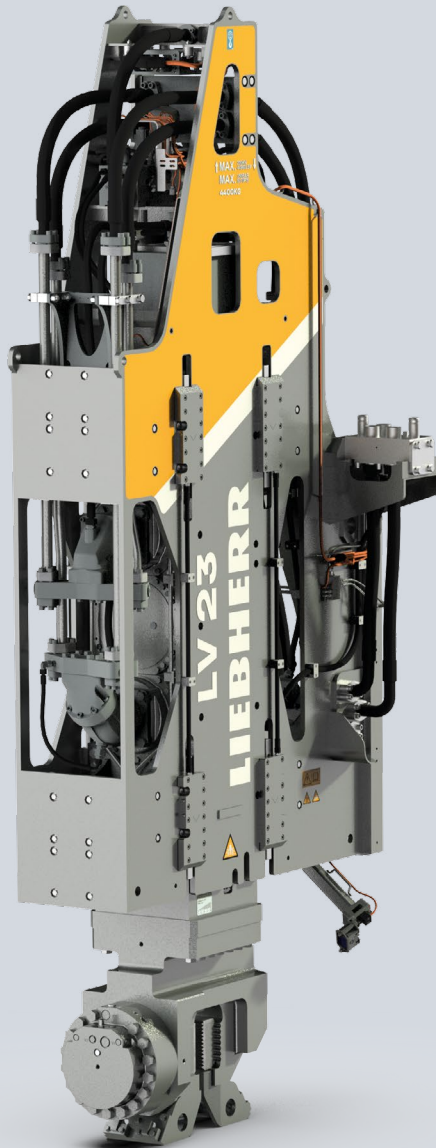
EN

LV 23 and LV 23 F

Vibrators
www.liebherr.com

LIEBHERR

Deep foundation machines



LV 23

With the LV 23 Liebherr provides a powerful and innovative high frequency vibrator for installing and extracting steel sheet piles, steel pipes and other piling elements.

Thanks to the use of state-of-the-art components, the vibrator is particularly easy to maintain.

It is leader-mounted on the LRB series of carrier machines. These deliver the necessary pull and push force through their rope crowd systems.

Key features

- Static moment: 0-23 kgm
- Max. centrifugal force: 1200 kN
- Max. frequency: 2400 rpm
- Dynamic weight including 140 t clamp: 3170 kg
- Total weight including 140 t clamp: 5170 kg
- Transport weight including 140 t clamp: 5675 kg
- Vibrator width in piling axis: 460 mm

Application

- Sheet piling

Symmetrical layout and new linear guiding

more efficiency, higher endurance, less maintenance

Cooling system

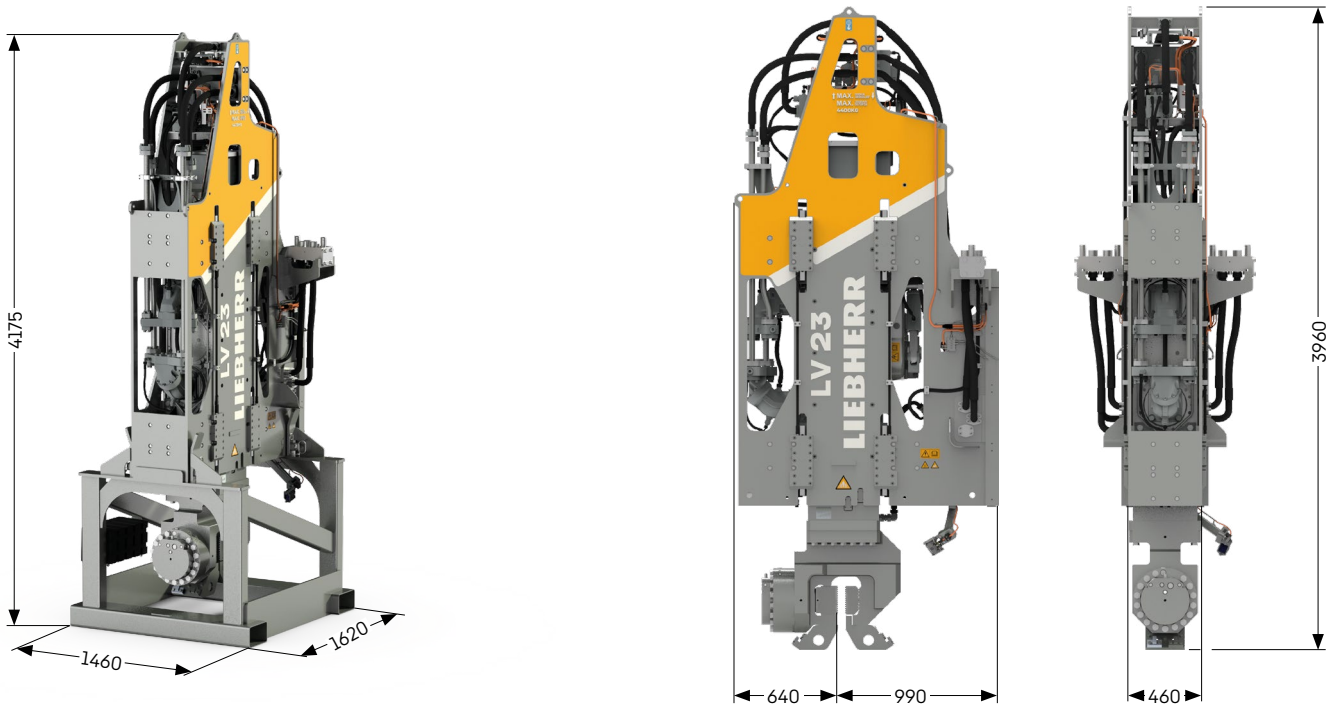
Preheating of the block, more efficient cooling and lubrication

Eccentric adjustment

maintenance-free, robust, with continuous control

Largely dimensioned main bearings

longer service life



LV 23 F

The high frequency vibrator LV 23 F is specially designed for all common methods of ground improvement. This includes the installation of vibro-replacement columns or vibrated cast-in-place piles. The flexible suspension of the exciter block in the yoke counterbalances the angular errors between piling element and leader, which is unavoidable in this application. This also minimises the loss of performance as well as the wear on all parts.

Key features

- Static moment: 0-23 kgm
- Max. centrifugal force: 1200 kN
- Max. frequency: 2400 rpm
- Dynamic weight including 140 t clamp: 3260 kg
- Total weight including 140 t clamp: 5170 kg
- Transport weight including 140 t clamp: 5675 kg
- Vibrator width in piling axis: 770 mm

Application

- Ground improvement

No linear guide

means no wear on the vibrator and piling element

Cooling system

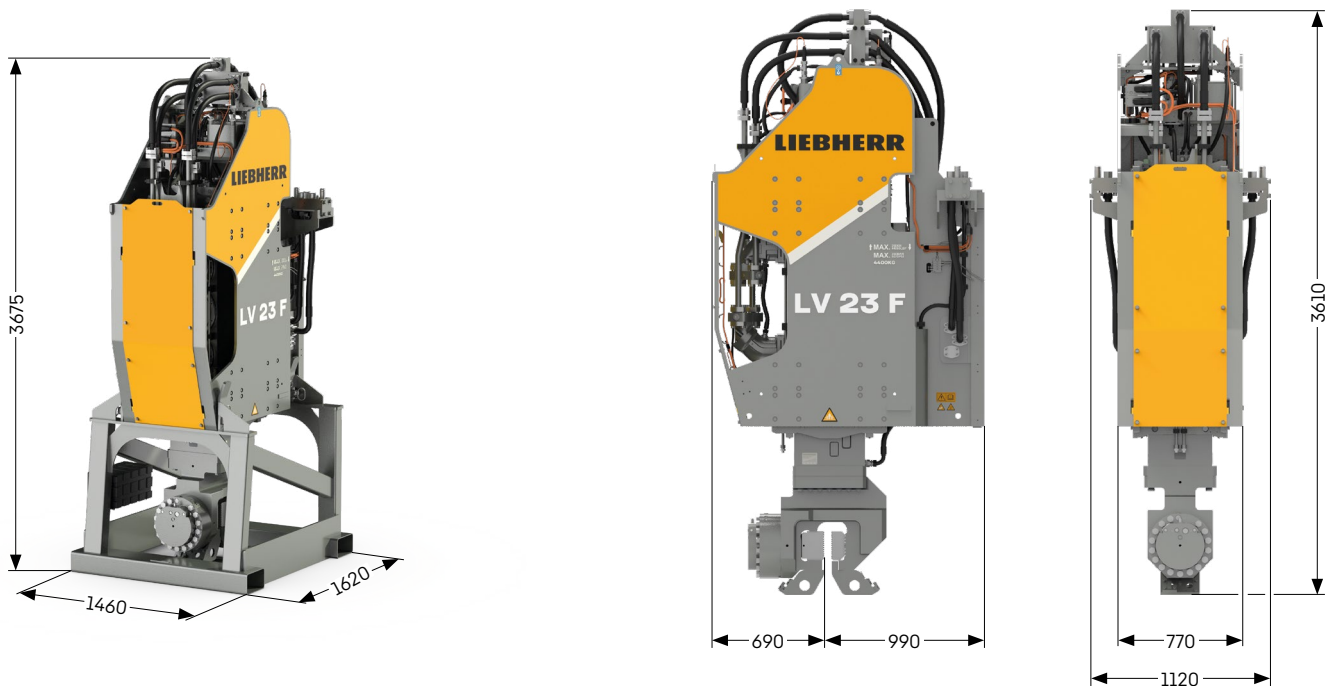
designed for continuous operation of the vibrator under tough conditions

Eccentric adjustment

maintenance-free, robust, with continuous control

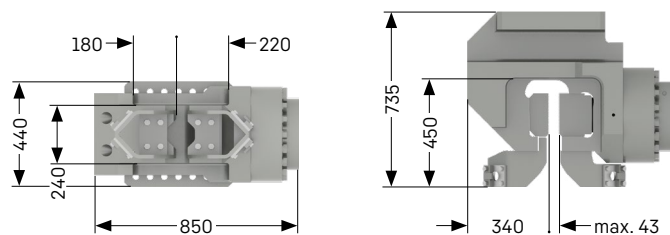
Largely dimensioned main bearings

longer service life



Technical data clamps

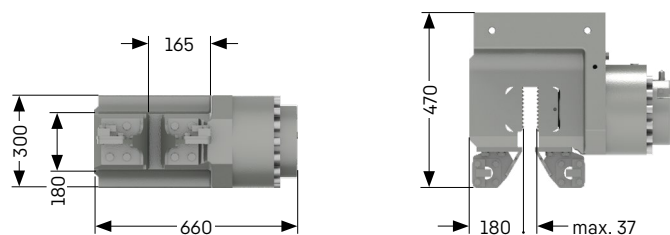
Clamp 140 t



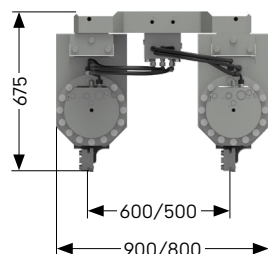
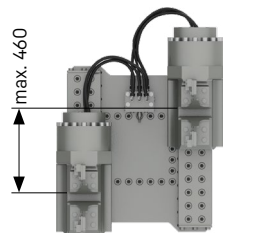
Clamp 140 t

Weight	t 0.9
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Clamp 75 t (2 pcs. required)



U piles



Weight

Total weight	t 1.5
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