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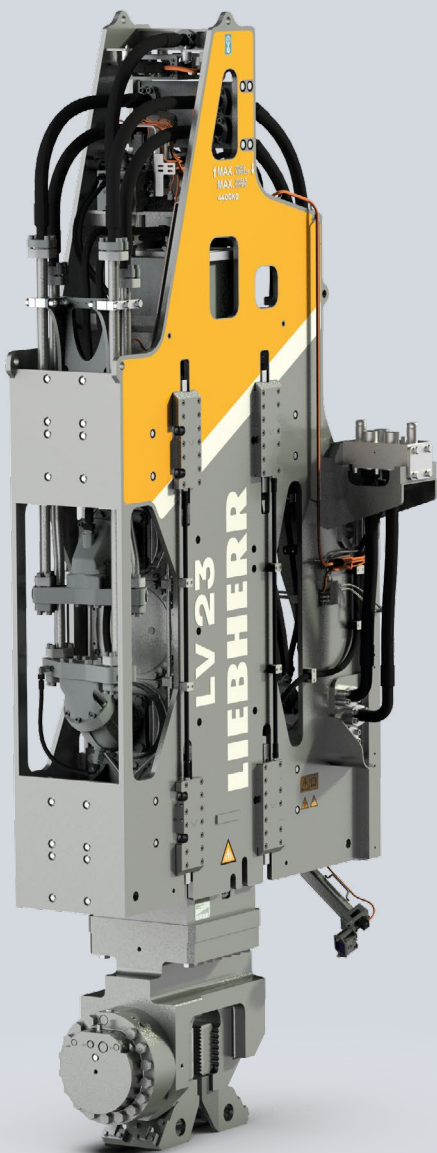
# LV 23 and LV 23 F

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Vibrators  
[www.liebherr.com](http://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: 0-1996 in-lbs
- Max. centrifugal force: 269,770 lbf
- Max. frequency: 2400 rpm
- Dynamic weight including 308,647 lbs clamp: 6,989 lbs
- Total weight including 308,647 lbs clamp: 11,398 lbs
- Transport weight including 308,647 lbs clamp: 12,511 lbs
- Vibrator width in piling axis: 1.5 ft

## Application

- Sheet piling

### Symmetrical layout and new linear guiding

more efficiency, higher endurance, less maintenance

### Cooling system

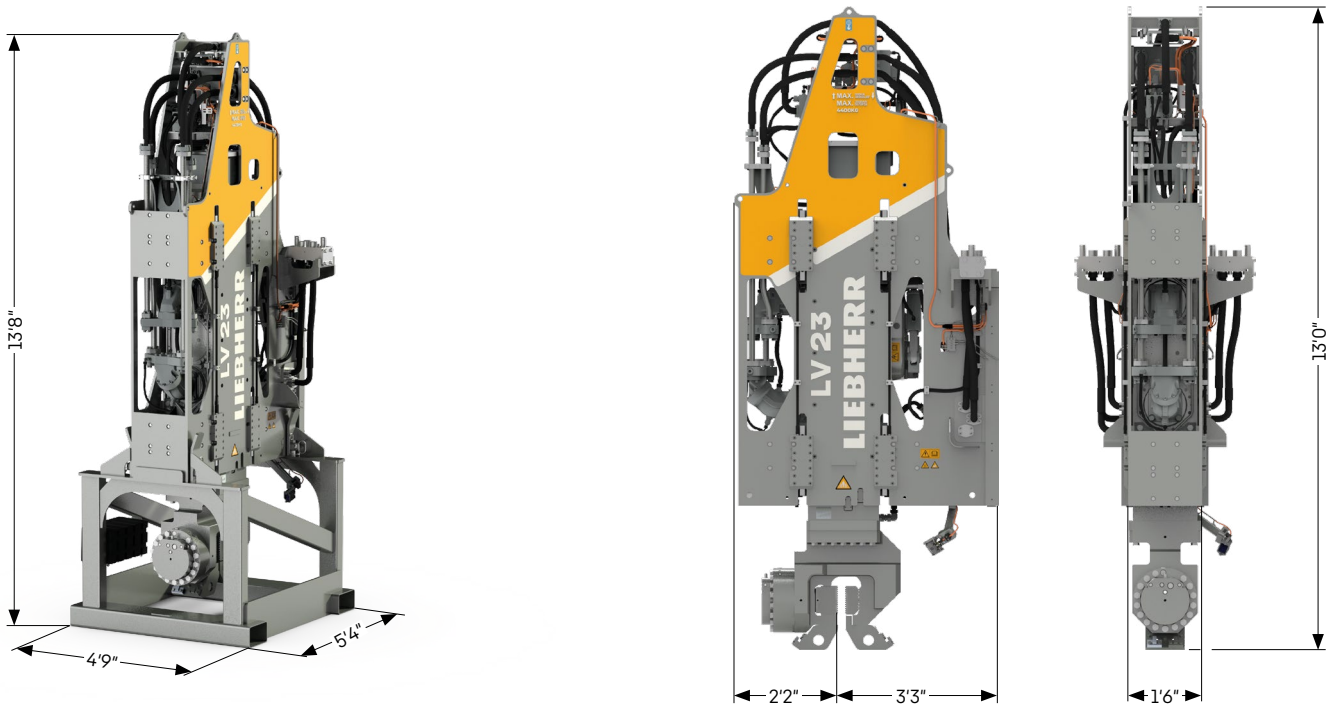
Preheating of the block, more efficient cooling and lubrication

### 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: 0-1996 in-lbs
- Max. centrifugal force: 269,770 lbf
- Max. frequency: 2400 rpm
- Dynamic weight including 308,647 lbs clamp: 7,187 lbs
- Total weight including 308,647 lbs clamp: 11,398 lbs
- Transport weight including 308,647 lbs clamp: 12,511 lbs
- Vibrator width in piling axis: 2.5 ft

## Application

- Ground improvement

### No linear guide

means no wear on the vibrator and piling element

### Cooling system

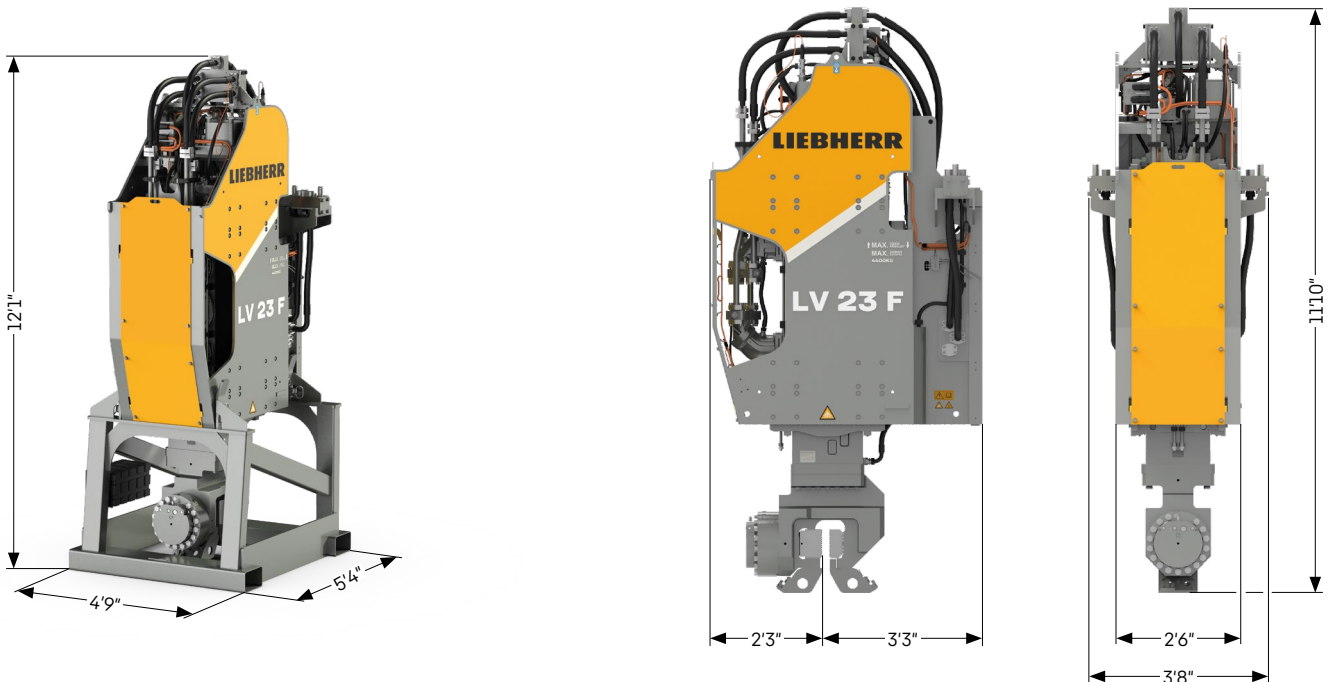
designed for continuous operation of the vibrator under tough conditions

### Eccentric adjustment

maintenance-free, robust, with continuous control

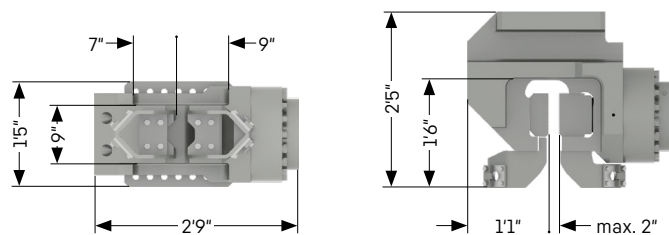
### Largely dimensioned main bearings

longer service life



# Technical data clamps

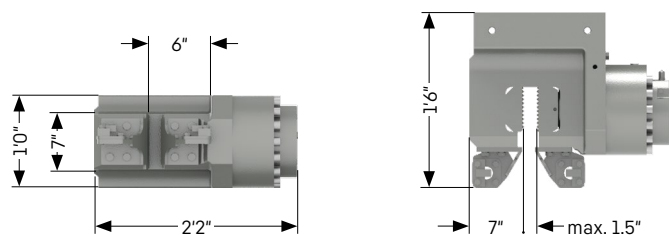
## Clamp 308,647 lbs



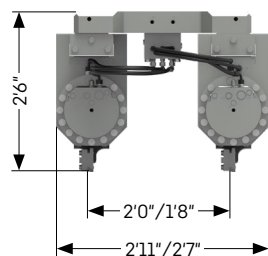
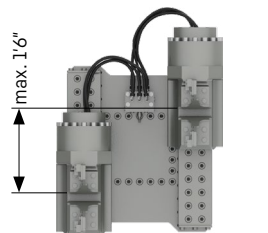
### Clamp 308,647 lbs

Weight	lbs 1,984
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## Clamp 165,347 lbs (2 pcs. required)



## U piles



### Weight

Total weight	lbs 3,307
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