

Müller Excavator Mounted Vibrators

UK Sales Agents

Introduction

This range of Müller hydraulic vibrators is specifically designed to be mounted directly on the dipper arm of excavators and to be powered by the on-board hydraulic system. The vibrator is then operated by the excavator driver, who has complete control of the piling job. An integrated flow valve ensures optimum performance with a wide range of excavator hydraulic systems. The special suspension head allows additional driving force to be applied by pressing down with the dipper arm, substantially improving piling performance. It also stops any damaging vibrations being transferred back to the excavator.

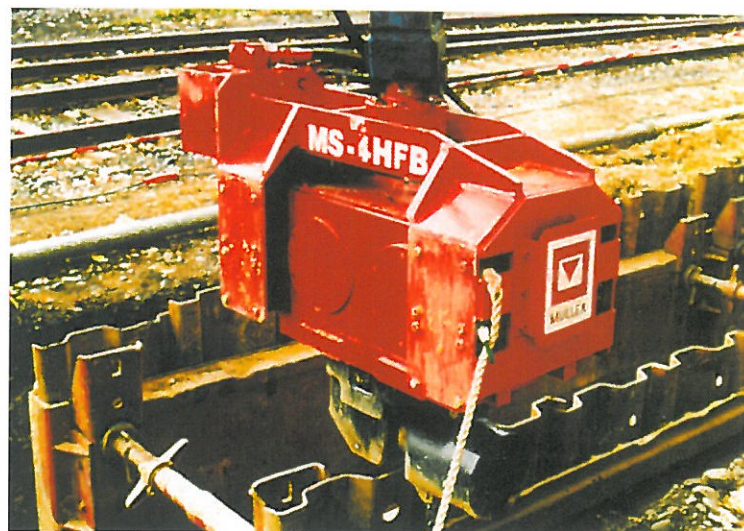
Simplicity of operation is a key feature of these machines; interchange from bucket or other tool to vibrator is straightforward, and they can be used for driving or extraction without modification.

All Müller EMV's are compact in design with low machine height providing additional sheet length.

All models are high frequency producing low ground vibrations. However where piling operations have to be carried out close to sensitive structures or services the MS-5 HFB V variable moment unit eliminates the peak vibrations during start up and slow down of the vibrator.

Features/benefits

- Quick and easy attachment to dipper arm
- Increased driving performance with special suspension head
- Simple operation using 'bucket tip section'
- Full safety circuits
- Automatic clamp adjustment
- Very low height
- High pulling force

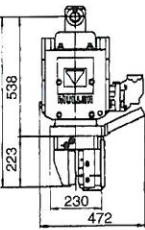
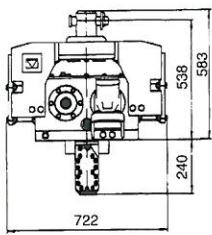


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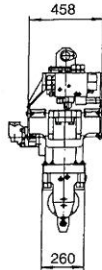
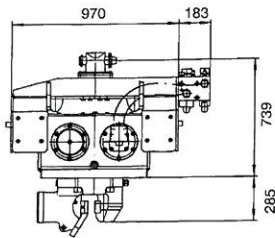
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Technical Data

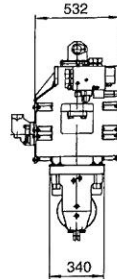
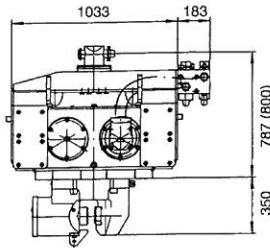
MS-1 HFB



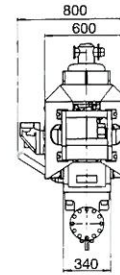
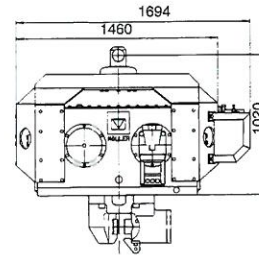
MS-2/3 HFB



MS-4/6/7 HFB



MS-17 HFB



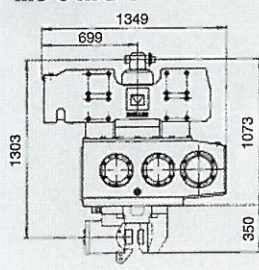
| Type | | MS-1 HFB | MS-2 HFB | MS-3 HFB | MS-4 HFB | MS-6 HFB | MS-7 HFB | MS-17 HFB |
|------------------------------|----------|----------|----------|----------|----------|----------|----------|-----------|
| Centrifugal force | max. kN | 90 | 245 | 304 | 378 | 464 | 604 | 600/824 |
| Eccentric moment | max. Kgm | 0.7 | 2.2 | 3.0 | 4.2 | 6.5 | 7 | 17 |
| Frequency | max. rpm | 3000 | 3185 | 3000 | 2850 | 2550 | 2800 | 2100 |
| Pulling force | max. kN | 34 | 60 | 60 | 120 | 120 | 150 | 200 |
| Output at the vibrator | max.kW | 53 | 61 | 70 | 100 | 119 | 130 | 115/135 |
| Weight (total) incl. clamp | kg | 350 | 815 | 830 | 1230 | 1240 | 1300 | 1874/2194 |
| Weight (dynamic) incl. clamp | kg | 230 | 570 | 585 | 940 | 950 | 950 | 1419/1739 |
| Oil flow | l/min | 90 | 105 | 120 | 171 | 204 | 224 | 197/231 |
| Operating pressure | bar | 350 | 350 | 350 | 350 | 350 | 350 | 350 |
| Length | mm | 823 | 1153 | 1153 | 1216 | 1216 | 1216 | 1694 |
| Height without clamp | mm | 583 | 739 | 739 | 787 | 787 | 800 | 1020 |
| Waist-line | mm | 230 | 260 | 260 | 340 | 340 | 340 | 340 |

The new high-frequency, variable moment unit MS-5 HFB V

| Type | | MS-5 HFB V |
|------------------------------|----------|------------|
| Centrifugal force | max. kN | 400 |
| Eccentric moment | max. Kgm | 5 |
| Frequency | max. rpm | 2700 |
| Pulling force | max. kN | 120 |
| Output at the vibrator | max.kW | 95 |
| Weight (total) incl. clamp | kg | 1580 |
| Weight (dynamic) incl. clamp | kg | 1130 |
| Oil flow | l/min | 162 |
| Operating pressure | bar | 350 |
| Length | mm | 1349 |
| Height without clamp | mm | 1073 |
| Waist-line | mm | 440 |

This vibratory hammer with resonance-free start and slow-down/stop phase is ideal for city centres and especially for vibration sensitive projects.

MS-5 HFB V



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