

MÜLLER Vibrators HFV-series.

Variable and resonance-free.

The vibrators of this series ensure maximum performance for minimum ground vibration and are therefore ideal for applications in inner-city civil engineering works or in areas sensitive to vibration – guaranteed by the resonance-free starting and stopping. In addition, the amplitude can be infinitely varied during operations. The natural frequency of the soil can therefore be taken into account – driving proceeds effectively and at the same time with little vibration.

Applications

- Inner-city civil engineering works
- Areas sensitive to vibration
- Chiefly sandy soils

Advantages

- Minimal ground vibrations
- Optimum adaptation to soil conditions
- Technology that's easy-going on equipment and environment

| Type | | | MS-10 HFV | MS-16 HFV | MS-20 HFV | MS-24 HFV | MS-28 HFV | MS-32 HFV | MS-40 HFV | MS-48 HFV | MS-62 HFV |
|------------------------|------------------------------|----------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Centrifugal force | F (max.) | kN | 610 | 968 | 1230 | 1480 | 1473 | 1980 | 2006 | 2960 | 2998 |
| Eccentric moment | M stat (variabel) | kgm | 0–10 | 0–16 | 0–19,5 | 0–24 | 0–28 | 0–32 | 0–39,2 | 0–48 | 0–62 |
| Speed | n (max.) | rpm | 2358 | 2370 | 2400 | 2350 | 2190 | 2375 | 2160 | 2350 | 2100 |
| Frequency | f (max.) | Hz | 39.3 | 39.5 | 40.0 | 39.2 | 36.5 | 39.6 | 36.0 | 39.0 | 35.0 |
| Pulling force | F Zug (max.) | kN | 180 | 300 | 300 | 400 | 500 | 600 | 600 | 600 | 800 |
| Weight (dynamic) | without clamping device | kg | 1700 | 2565 | 2530 | 2900 | 3120 | 4850 | 4870 | 6520 | 6805 |
| Weight (total) | without clamping device | kg | 2300 | 3530 | 3600 | 5050 | 5320 | 7250 | 7280 | 9700 | 11165 |
| Amplitude | without clamping device/pile | mm | 11.8 | 12.5 | 15.4 | 16.5 | 18.0 | 13.2 | 16.1 | 14.7 | 18.2 |
| Power consumption | P (max.) | kW | 147/203 | 297/408 | 413 | 404/551 | 428/514 | 570/685 | 630/756 | 682/823 | 980/735 |
| Displacement | Q Motor (max.) | l/min | 253/348 | 508/699 | 708 | 693/945 | 734/880 | 1045/1175 | 1080/1296 | 1170/1410 | 1680/1260 |
| Pressure | p (max.) | bar | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 |
| Dimensions | Length L | mm | 1635 | 2080 | 2080 | 1920 | 1920 | 2371 | 2371 | 2371 | 2371 |
| | Width B | mm | 732 | 782 | 782 | 893 | 893 | 800 | 880 | 1123 | 1180 |
| | Height H | mm | 1530 | 2060 | 2060 | 2240 | 2240 | 2455 | 2455 | 2525 | 2525 |
| | Throat T | mm | 330 | 350 | 350 | 451 | 451 | 345 | 345 | 860 | 860 |
| Power pack | Type | MS-A...V | 170/260* | 260/420* | 420 | 420/570* | 420/570* | 570/700* | 700/840* | 700/840* | 1050 |
| Single clamping device | Type | MS-U | 72 | 150 | 150 | 180 | 180 | 250 | 250 | 360 | 360 |
| | alternative Type | MS-U | 100 | | | | | | | | |
| Double clamping device | Type | MS-U | 2 x 54 | 2 x 70 | 2 x 90 | 2 x 90 | 2 x 90 | 2 x 150 | 2 x 150 | 2 x 180 | 2 x 180 |
| | alternative Type | MS-U | 2 x 70 | 2 x 90 | 2 x 100 | 2 x 100 | 2 x 100 | | 2 x 180 | | |

* Combination for increased performance

Variable eccentric moment

