

Vibro Hammers - Variable eccentric moment

MÜLLER-vibrators.

HHF series with stepwise variable eccentric moment.

The vibrator can be adapted quickly to different soil conditions by a simple system of adding or removing weights, allowing the eccentric moment to be varied. For example, if high frequency is required for work in loose sand, the additional weights can be removed simply on site to achieve high frequencies with the same centrifugal force.

Vibrator			MS-25 HHF	MS-50 HHF	MS-100 HHF	MS-120 HHF	MS-200 HHF
Centrifugal force	F (max.)	kN	750	1500	2500	3003	4000
Eccentric moment	M stat (max.)	kgm	25	50	100	116	190
Steps		kgm	12/15/20/25	24/30/40/50	48/60/80/100	80/94/110/116	(98)/110/150/190
Speed steps		rpm	2170/2113/1830/1637	2362/2113/1830/1637	2160/1920/1670/1500	1850/1700/1570/1536	(1800)/1800/1560/1371
Frequency steps		Hz	39.3/35.2/30.5/27.3	39.3/35.2/30.5/27.3	36/32/27.8/25	30.9/28.3/26.2/25.6	30/26/22.9
Pulling force	F pull (max.)	kN	280	500	600	1200	1200
Weight (dynamic)	without clamping device	kg	2900	4500	7700	8900	11750
Weight (total)	without clamping device	kg	3700	6100	10900	15500	15500
Amplitude	without clamping device/pile	mm	17,2	22,2	26,0	26,1	32,4
Amplitude (steps)	without clamping device/pile	mm	8.3/10.3/13.8/17.2	10.7/13.3/17.8/22.2	12.5/15.6/20.8/26.0	18.0/21.1/24.7/26.1	16.7/18.7/25.5/32.4
Oil flow	Q Motor (max.)	l/min	298 470	610 964	1045 1286	989 1150 1534	1435 1680
Pressure	p (max.)	bar	350 350	350 350	350 350	350 350 350	350 350
Power consumption	P (max.)	kW	174 274	356 562	610 750	577 671 895	837 980
Dimensions:	Length L	mm	1800	2300	2410	2360	2300
	Width B	mm	660	660	660	1140	1352
	Height H	mm	1885	2465	3235	3425	3655
Power pack	MS-A		170* 260	420* 660	660* 840	660* 840* 1050	840* 1050
Single clamping device	MS-U		90	180	360	360	-
	MS-U		100	250			
Double clamping device	MS-U		2 x 54	2 x 90	2 x 150	2 x 180	2 x 250
	MS-U		2 x 70	2 x 100	2 x 180		

* this reduces the performance data of the vibrator

Stepwise variable moment

