

VH40VM

Free-hanging Vibratory Hammer



Suitable near existing foundations, bridge abutments and historical buildings for optimal protection from vibrations.

Ultimate control is achieved with the cutting-edge VH VM models (Vibratory Hammers with Variable Moment). The innovative variable motor allows for the adjustment of amplitude and eccentric moment for precise customization from minimum to maximum levels. Our innovative technology ensures that the position of the eccentric masses align with the start and stop of the vibration, eliminating resonance and enabling the vibration to reach its maximum frequency. Powered by Junttan vibratory Power Pack models (PP series), the VH VM models significantly reduce disturbance to the surrounding soils, ensuring a smooth and efficient operation.

Key features

- ✓ Maximum performance with minimum ground vibration
- ✓ Ideal for urban job sites or in areas sensitive to vibration
- ✓ Resonance-free start and stop
- ✓ Ideal for sandy soils
- ✓ Optimal adaptation to soil conditions
- ✓ A wide range of clamping solutions

Technical data

Technical Specifications

UNIT	METRIC	US
ECCENTRIC MOMENT	0 – 40 KGM	0 – 3472 IN.LBS
CENTRIFUGAL FORCE MAX.	2348 KN	264 TONS
FREQUENCY	2300 RPM	2300 RPM
OIL FLOW	934 L/MIN	247 GPM
POWER	548 KW	735 HP
AMPLITUDE	16 MM	0.6 IN
PULLING FORCE MAX.	942 KN	106 TONS

Weight and Dimensions

UNIT	METRIC	US
DYNAMIC WEIGHT W/O CLAMP	5094 KG	11230 LBS
TOTAL WEIGHT W/O CLAMP	7603 KG	16762 LBS
LENGTH / L1	2797 MM	110 IN
LENGTH / L2	2550 MM	100 IN
LENGTH / L3	2849 MM	112 IN
HEIGHT / H1	2616 MM	103 IN
HEIGHT / H2	3701 MM	146 IN
WIDTH / W1	384 MM	15 IN
WIDTH / W2	841 MM	33 IN
WIDTH / W3 3	70 MM	15 IN
THROAT WIDTH	360 MM	14.2 IN

Recommended Clamp Type for Sheet Piles / SC350

UNIT	METRIC	US
CLAMPING FORCE	3560 KN	400 TONS
WEIGHT	2553 KG	5629 LBS

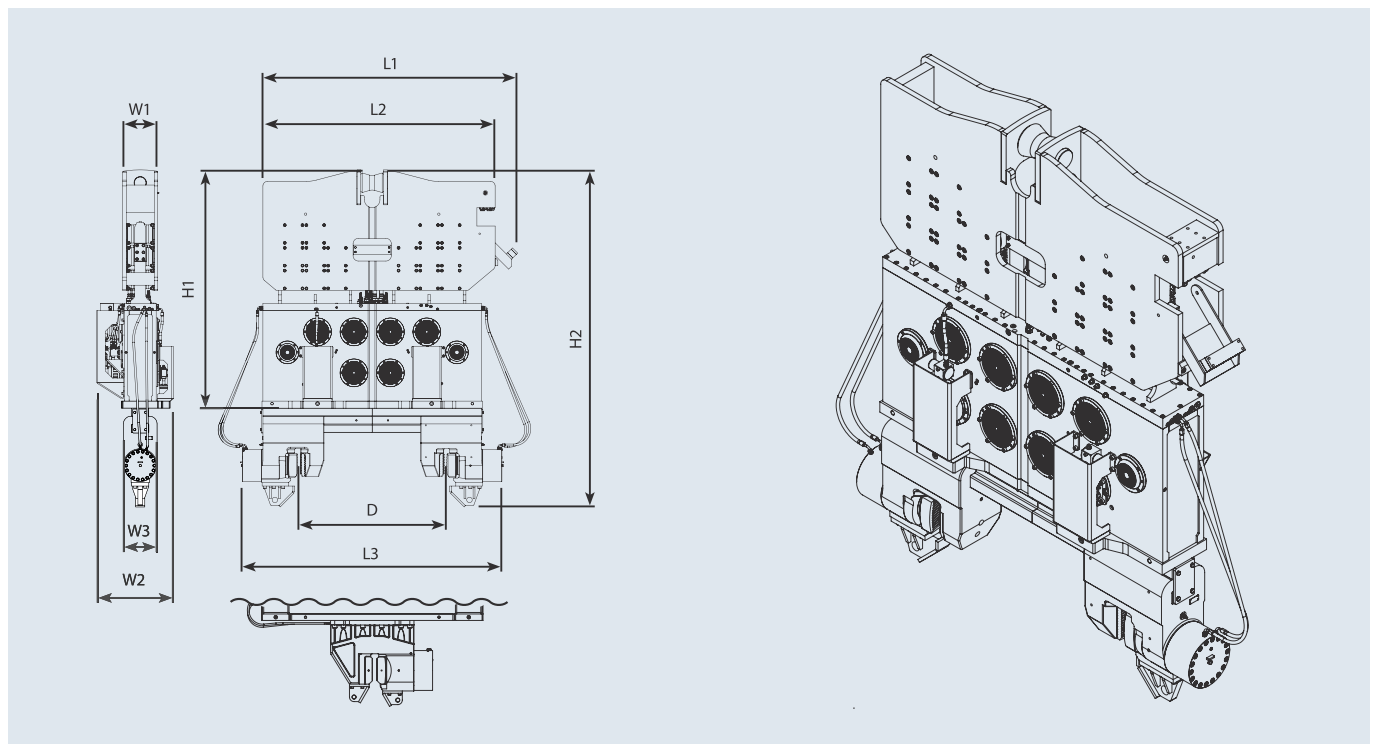
Recommended Clamp Type for Casing / TC120 x 2

UNIT	METRIC	US
DIAMETER (MIN. - MAX.) / D	540 – 1500 MM	22 – 59 IN
CLAMPING FORCE	1216 X 2 KN	273 TONS
WEIGHT	948 X 2 KG	4180 LBS

Recommended Power Pack / PP900

UNIT	METRIC	US
OIL FLOW MAX.	930 LPM	245 GPM
PRESSURE MAX.	350 BAR	5076 PSI
OIL CAPACITY	1600 LITER	422 GAL
DIESEL TANK CAPACITY	1100 LITER	290 GAL
WIDTH	2030 MM	80 IN
LENGTH	5230 MM	206 IN
HEIGHT	2210 MM	87 IN
WEIGHT	11200 KG	24691 LBS

STAGE	MODEL	POWER
Stage V / Tier 4F	VOLVO TWD1683VE	585 / 796 KW/HP



FOR FURTHER INFORMATION, PLEASE CONTACT:

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