OMS Excavator Mounted Piling Vibrators

UK & Ireland Sales Agents

Introduction

This range of hydraulic vibrators, manufactured in Turkey, are 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 OMS EMV's are compact in design with low machine height providing additional sheet length.

All models are high frequency producing low ground vibrations.

OVR S-50 with Multi Pin Quick Hitch Safety Bracket

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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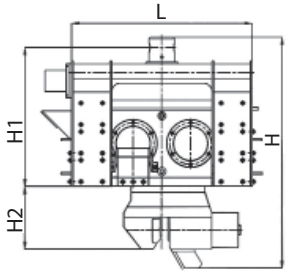
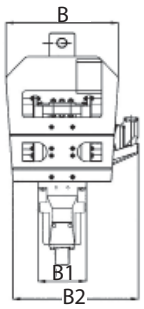
Technical Data

OMS OVR

Technical Specifications		OVR S-40	OVR S-50	OVR S-60	OVR S-70	OVR S-80
Eccentric moment	kg-m	3.66	4.86	6.25	7.05	9.04
Frequency	(max) rpm	2750	2750	2750	2750	2750
Centrifugal force	(max) kN	303	403	518	584	749
Oil flow	(max) l/min	110	165	220	247.5	302.5
Max oil pressure	bar	320	320	320	320	320
Power of vibro driver	(max) kW	59	88	117	132	161
Amplitude	mm	10.2	9.1	11.5	12.9	10.8
Max. line pull for extraction	kN	88	147	147	147	235
Weight and Dimensions						
Weight (total)	kg	1008	1530	1542	1552	2475
Weight (dyn)	kg	717	1072	1085	1095	1680
Length L	mm	950	1038	1038	1038	1103
Height H	mm	1210	1300	1334	1334	1585
Height H1	mm	667	788	788	788	912
Height H2	mm	450	456	456	456	458
Width B	mm	573	651	651	651	727
Width B1	mm	295	320	320	320	360
Width B2	mm	682	757	757	757	850
Recommended Clamp Types						
Clamp types		SCN30	SCN60	SCN60	SCN60	SCN75
Clamping force	kN	298	630	630	630	798





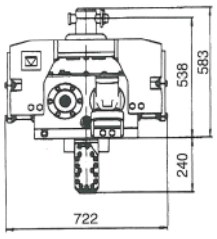
Noise Data	Sound Pressure Level Lpa (5m R)	Sound Pressure Level Lpa (10m R)
OVR S-40	87 dB (A)	81 dB (A)
OVR S-50	87 dB (A)	81 dB (A)
OVR S-60	89 dB (A)	83 dB (A)
OVR S-70	89 dB (A)	83 dB (A)
OVR S-80	89 dB (A)	83 dB (A)

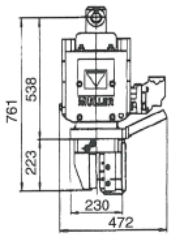
NB. Noise emissions vary depending on the type of pile being driven i.e. as a panel or singly, method of installation, site location and ambient noise.
Cyclical operations will result in an overall reduction of noise (leq).
To calculate noise levels at greater distances, reduce by 6dB(A) each time the distance is doubled.

Müller MS-1 HFB

The Müller MS-1 HFB is a lightweight unit ideal for use on small excavators e.g. JCB 3CX. It is used for installing light trench sheeting and plastic piling.

Model		MS-1 HFB
Centrifugal force at max. frequency	kN	90
Eccentric moment	Kgm	0.7
Frequency	Rpm	3000
Pulling force	max. kN	34
Output at the vibrator	max. kW	53
Weight (total) incl. clamp	kg	350
Weight (dynamic) incl. clamp	kg	230
Oil flow	l/min	90
Operating pressure	bar	350
Length	mm	823
Height without clamp	mm	583
Waist-line	mm	230





EMV Multi Pin Quick Hitch Safety Bracket

Watson and Hillhouse have developed an EMV Multi Pin Quick Hitch Safety Bracket which has been fully welcomed by the construction industry and approved by EMV manufacturers.

The bracket overcomes all the safety issues associated with the previous method of operating on one quick hitch pin, whilst maintaining the flexibility to switch between different site operations with minimal disruption.

- Very quick, safe and easy to use
- CE marked
- Available for hire and sale

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