






PILETEC EMV SELECTION & RANGE GUIDE

Excavator Mounted Vibrators (EMVs) are excavator attachments specifically designed to accurately & efficiently drive and extract sheet piles. The purpose of the EMV is to achieve temporary fluidity in the soil by applying vibration. Piletec's range of EMVs operates in granular (non-cohesive) soils to very dense (cohesive) soils. Although there are many variants which can affect EMV performance*, this guide is designed to determine the best hammer type based on soil conditions, excavator size and required pile driven length.

*Always confirm your EMV specifications with the Piletec Hire Desk prior to hiring

SELECTION GUIDE

PILE DRIVEN LENGTH (m)	SOIL & HAMMER TYPES				
	Very Loose	Loose	Medium Dense	Dense Granular or Soft Cohesive	Very Dense Granular or Firm Cohesive
0					
1					
2					
3					
4					
5					
6					
7	MS1	230M (B)	MS3 / 328M (B)	MS4 / 428M (B) / E5FM	625M (B) / 823B / E7FM
8					
9					
10					

EXCAVATOR RANGE

Model	Excavator Range (tonne)	Length of Sheet (metres)
MS1	5-8	1-4
230M (B)	13-16	3-5
MS3	13-20	3-6
328M (B)	13-20	3-6
MS4	20-30	3-7
428M (B)	20-30	3-7
E5FM	20-30	3-7
625M (B)	25-35	3-7
823B/E7FM	25-40	3-7

Maximum length of sheet for EMVs = 7 metres

STIFF GROUND CONDITIONS?

For guaranteed pile drivability the Piletec Pre Auger offers the perfect solution.

VIBROSAFE QUICK HITCH ADAPTOR

The safest possible solution when working with Excavator Mounted Vibratory Piling Hammers.

For EMV & other applications contact the Hire Desk
0800 731 4960 www.piletec.co.uk



Piletec
Piling Equipment