

# PILE DRIVERS

## SG-45V

### FEATURES

- Designed to match the capabilities of larger excavators and to combine a robust structure with excellent pile handling characteristics.
- Fitted with heavy-duty arms/clamps capable of driving a wide range of piles including sheet piles, H-piles, tubular steel piles and other pile sections.
- High frequency pile driver with variable eccentric moment. Disturbance of the surrounding environment is minimised by operating at a high frequency and thus avoiding an oscillation of the soil and the surrounding structures at their natural frequencies.
- Based on the Movax Modular System (MMS™). The unit is always equipped with one of the standard arm/clamp systems and the bottom clamp. Customised arms and clamps are available upon special request.
- Controlled with the MOVAX Control System (MCS™)
- Available with the MOVAX Information Management System (MIMS™)



### TECHNICAL DATA

Weight (excl. adapter) *	kg	2490 - 2790
Height	mm	2530
Depth	mm	1210 - 1585
Width	mm	1193
Engine power, min, Tier III / Tier IV	kW	100 / 120
Return pressure, max	bar	5
Pressure setting	bar	350
Frequency	1/min	2300 - 3000
Eccentric moment	kgm	4.6
Centrifugal force, max	kN	450
Ground vibration		Low
Resonance-free start/stop		Yes
Driving method		Vibration
Side tilt angle	°	+/- 0
Swing angle	°	+/- 360
Tilt angle	°	+/- 30

\* with standard bottom clamp, exact weight depends on the side arm/clamp system

### SUITABLE PILES

#### TYPES AND DIMENSIONS

Sheet pile	width mm	400-1200
	depth mm	265
Timber pile	mm	Ø 160-420
Tubular pile, tubes *	mm	up to 762
H-beam	size	H100-H500

\* up to 1220 mm diameter with modular tube arms and tandem bottom clamp



#### LENGTH & WEIGHT

8m / 2300kg
12m / 1600kg
16m / 1200kg