

SIDE GRIP PILE DRIVERS

SG-50V

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. Disturbances 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	2500–2800
Height	mm	2530
Depth	mm	118–1436
Width	mm	1193
Frequency	1/min	2300–3000
Eccentric moment	kgm	5,1
Centrifugal force, max	kN	500
Ground vibration		low
Resonance-free start/stop		yes
Driving method		vibration
Swing/tilt angle	°	360 / ±30
Return pressure, max	bar	5
Pressure setting	bar	350
Excavator class	t	23–28
Engine power, min TIER III / TIER IV	kW	125/135

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

SUITABLE PILES

TYPES AND DIMENSIONS

Sheet piles	width	400–1200 mm
	depth	265 mm
H-beams	size	H180–H500
Timber piles	size	Ø 160–420 mm
Tubular piles, tubes*	size	up to Ø 762 mm

*up to Ø1220 mm with modular tube arms and tandem bottom clamp



LENGTH & WEIGHT

8 m x 2 300 kg

12 m x 1 600 kg

16 m x 1 200 kg