



MOVAX SG50V Pile Driver

ReadyPower has its own fleet of MOVAX pile drivers for use on the Doosan Ultimate 270 RRV

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.

They are used on designated machines, ReadyPower has the MCS lite control system hard wired to the machines for better operator control of the process.

MCS Lite has a cab-mounted electronic control module with a 3.2" display. The module is capable of controlling the excavator's auxiliary hydraulics with a proportional pilot valve for the required hydraulic power for the MOVAX equipment.

The display provides the operator with information about MOVAX: angles, vibro frequency or piling hammer impact energy rate and hydraulic pressure. Basic service interval and system diagnostic data are also available to the operator.

The system is delivered with ergonomic control grips with rollers and switches that allow complete operation with a single grip. The control grips include extra switches and rollers for accommodating functions from the excavator's original handles

Interchangeable Side-Grip arm

- Suitable for a wide range of piles
- Arms available for sheet piles, tube piles & H piles
- Readily available for the common sizes of 610mm & 762mm yet smaller size tube piles can be catered for upon request

If pile depth cannot be achieved [refusal] then Readypower also have BSP Drop Hammers to compliment the Movax unit to achieve the required depth.

Easy pile handling & pitching

Wide opening & synchronised movement speeds up the operation. Advanced lubrication system enables:

- Long continuous driving periods
- High capacity oil pump separate oil storage keeps the temperature of the vibrabox lower
- Mechanical direct drive of the lubrication pump optimises hydraulic force for vibration

High frequency vibratory hammer with a variable eccentric movement. Disturbance of the surrounding environment is minimised by operating at high frequency.

Suitable Piles:

Sheet Piles	H-beams	Tubes
Width 400 - 1200mm	Size H180 - H500	Pipe clamps Ø90 - Ø250 (fitted to sheet pile jaws)
"Depth" 265mm		Tube reducer Ø193.7 - 610mm (fitted to sheet pile jaws)
Weight max. 1400kg	Weight max. 1400kg	Weight max. 1400kg
Length up to 18m	Length up to 18m	Length up to 18m

Technical data:

Piler type	SG-50	SG-50V	SG-60	SG-60V
Width without adapter [kg]	2260 - 2680			
Height [mm]	2468			
Depth [mm]	1060 - 1383			
Width [mm]	1192			
Excavator class [ton]	23 - 30		28 - 38	
Max. return pressure [bar]	5			
Pressure setting [bar]	350			
Frequency [1/min]	2500 - 3000			
Centrifugal force [kN]	500		600	
Ground vibration	Normal	Low	Normal	Low
Resonance free start and stop	No	Yes	No	Yes
Driving method	vibra			
Swing / tilt angle [o]	360 / 30			

