



Groundwork

GEMINI PILE DRIVER SERIES



Gemini 1000

SPECIFICATIONS

Working Dimensions (L*W*H) (mm)	2500*2500*5000
Shipping Dimensions (L*W*H) (mm)	3500*2500*2500
Vehicle Weight (kg)	6000
Engine (kw)	Yanmar Engine 53.7kw
Drilling Depth (standard) (mm)	3000
Drilling diameter (impact drilling) (mm)	300max
Horizontal Sliding Stroke (mm)	500
Front and Rear sliding stroke (mm)	300
Chassis length (mm)	2500
Chassis height (mm)	620
Supine Angle of movement mechanism (°)	8° outside and 60° inside
Front and Rear Inclination	20°
Hammer impact energy (J)	120 (85) 1450 (100)
Maximum pile height (mm)	4200
Hydraulic system pressure (maximum value) (MpA)	20
Total flow of hydraulic system (l/min)	120
Maximum speed (km/h)	>2.5
Effective volume of hydraulic oil cabinet (L)	120
Effective capacity of diesel engine fuel tank(L)	120



- Automatic correction system, remote control/GPS system optional
- Choose from Yanmar 53KW and Cummins 60KW engines
- The mobile console allows the operator to stand, and the side console can be operated by one person to reduce labor costs
- The translation of the mast from front to back and left to right improves productivity
- The machine console rotates 90° which improves the positioning and piling efficiency

Gemini 1200

SPECIFICATIONS

Working Dimensions (L*W*H) (mm) 3600*3400*6700

Shipping Dimensions (L*W*H) (mm) 3640*1900*2580

Vehicle Weight (kg) 6800

Engine (91 kw) Cumins 97

Maximum Torque of walking motor (Nm) 14100

Impact drill max torque of rotating motor (Nm) 1500 - 2500

Rotary pile drill max torque of rotating motor (Nm) 3100 - 8000

Auger max torque of rotating motor (Nm) 3100 - 8000

Max piling height (mm) 6100

Piling Stroke (mm) 6100

Impact drilling depth (mm) 5500

Impact Drill diameter (mm) 50 - 300

Spiral drilling diameter (mm) 90 - 300

Spiral drilling depth (mm) 5000

The angle of the supine adjustment of the mast (°) 10 up and 90 down

Front and rear adjustment angle of the mast (°) Front 20 Rear 20

Hydraulic system pressure (Bar) 180

Hydraulic system flow (triple pump) (L/min) 138

Walking Speed (km/h) 3.5

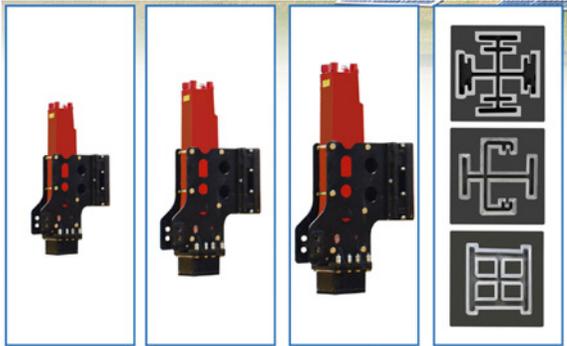
Hydraulic hammer impact energy (J) 1200 - 1800

Climbing Slope (°) >30



- The height of the piling stroke can reach 6 meters
- The drill rod and drill cap have a unique structure and long service life.
- The guide rail is equipped with double-row chains, with a high safety factor
- The pilot operation valve has high control accuracy and is easy and smooth
- The overall design of the lifting guide rail is strong in structure and has a longer applicable life
- Can be equipped with a more powerful Cummins engine
- When piling, the guide rail is perpendicular to the ground to minimize the impact of vibration on the verticality of piling

Functionality Selection



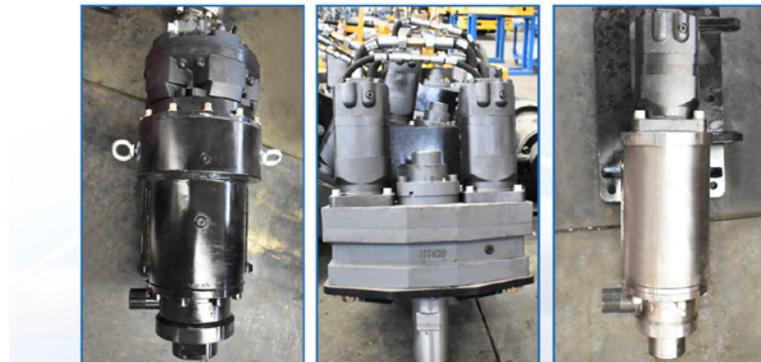
We provide a variety of hydraulic hammers (900 - 1960 joules), we can recommend suitable hammers for you according to the geological conditions and pile size, and a variety of drill caps can be customized



GPS an remote control can be selected, which is convenient and fast to use.



The engine is equipped with a high-strength engine housing



Torque: 8000NM

Torque: 5000NM

Torque: 16000NM

Option of 3 types of motors according to the conditions of use