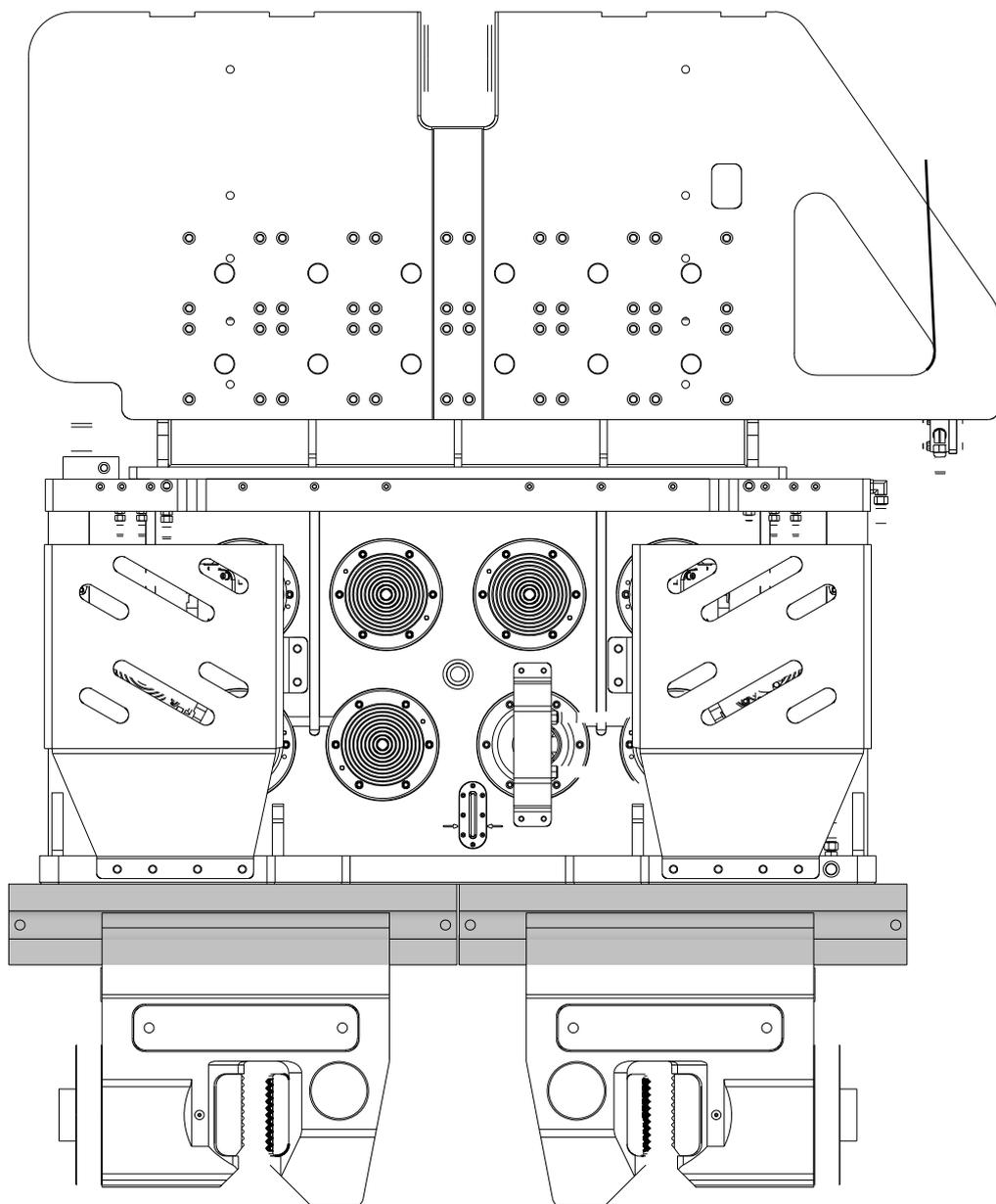
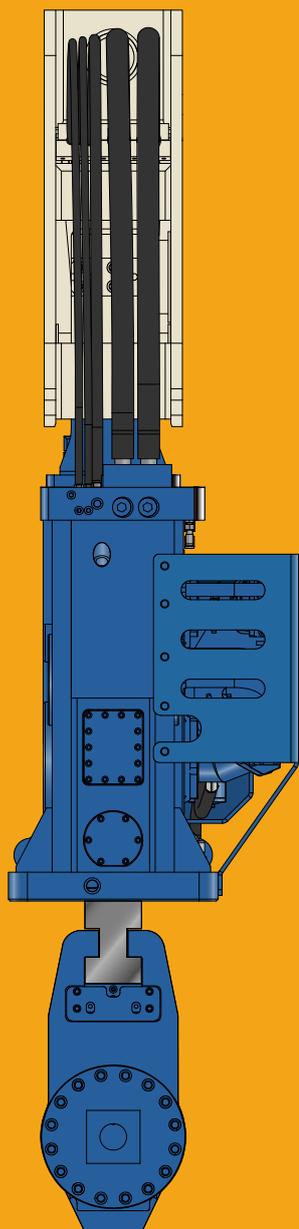


Piling hammer  
Manufacturer

# YZ-230F

Hydraulic Vibratory  
High Frequency &  
Resonance Free  
Pile Driving &  
Extracting Hammer



永安机械  
YONGAN MACHINERY

# Features & Benefits



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perfect designed suppressor house with low weight provide more driving and extracting capability

Heavy duty lifting pin for easy rigging and maximum safety

Maximum oil sealing capability with perfect machinery designing

Deep bored top steel plate let hydraulic oil go through it, provide more heat dissipation way

High-precision CNC machined gear box, make eccentric gear block run more smoothly

Yongan vibro hammer can be shipped fully assembled on one truck or container

FAG X-life giant spherical bearings provide 5 times durability than those found on other vibro hammer

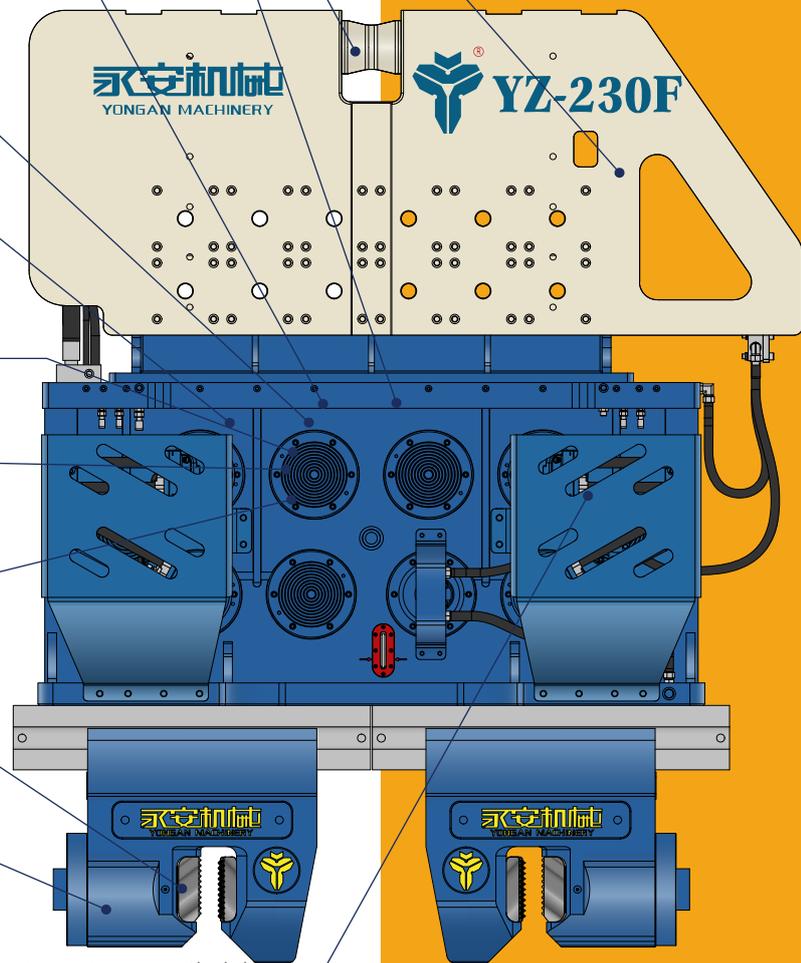
Eccentrics block filled with "Heavy Metal" provide extra driving & extracting capability

One piece eccentric/gear part design eliminated bolts, keyways, splines and pins etc. other parts

Clamping jaw block make from Super hard alloy material providing extreme long working life.

Forged hydraulic clamping body provide perfect clamping performance for piles

Bosch Rexroth hydraulic high speed motor, The best motor available on the market for vibro hammer. The hydraulic motor adopts embedded mechanical design mounted on the vibrating hammer body. Avoid damage due to lifting movement Perfectly.



SCHAEFFLE



FAG

X-life

BOSCH

rexroth

manuli  
HYDRAULICS



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# Technical Parameters

YZ-230F High Frequency & Resonance Free  
Hydraulic Vibratory Piling Extracting Hammer

Eccentric Moment:	33.5	kgm
Max. Frequency:	2500	rpm
Rated Centrifugal Force:	2300	kN
Max. Centrifugal Force:	2900	kN
Max. Line Pull Force:	800	kN
Max. Amplitude:	20	mm
Max. Oil Flow:	800	L/min

Amplitude Equation:

$$A = \frac{2 \times Mt}{Mv}$$

$Mt$  = Eccentric Moment (kgm)  
 $Mv$  = Total Vibrating Weight (kg)  
 $A$  = Amplitude (mm)

About Vibrating weight  $Mv$ :

The vibrating weight is the sum of all the weights of the vibrating mass.

Note: Calculate pipe pile weight using the following formula:

$$(O-T) * T * 0.0246615 * H$$

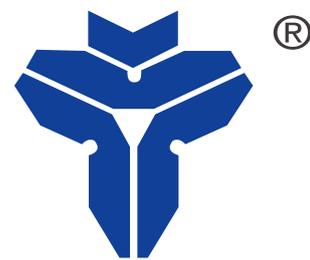
$O$  = Outside Diameter of pipe piles

$T$  = Wall Thickness of Pipe Piles

$H$  = Height of the pipe piles

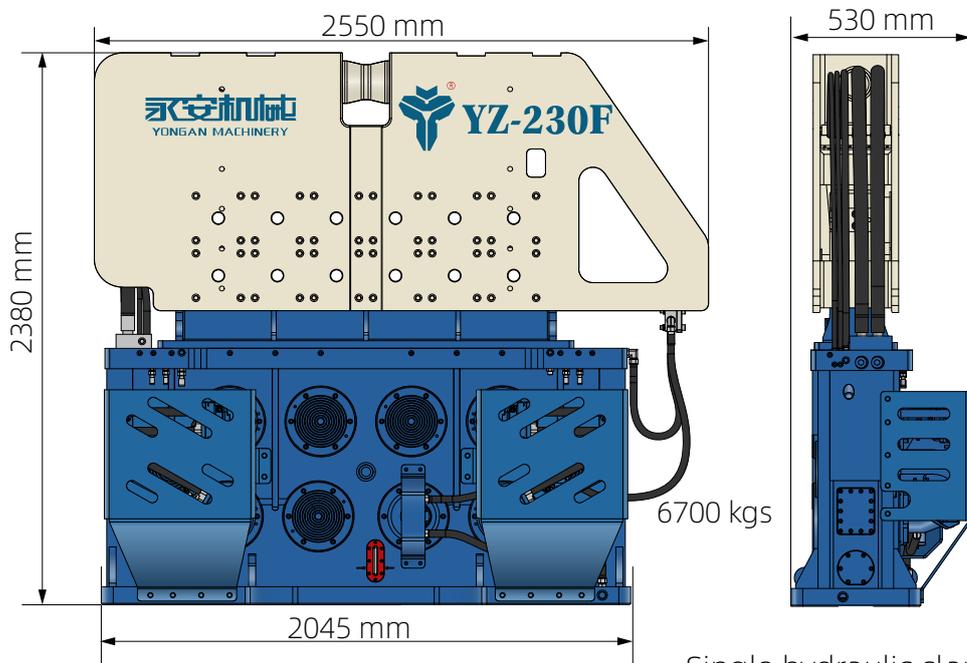


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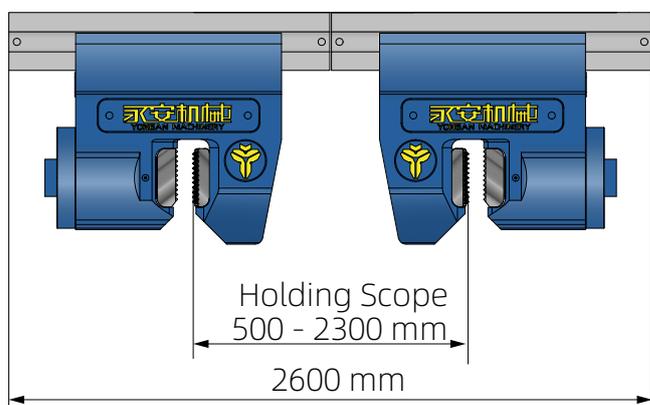
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# Size & Weight

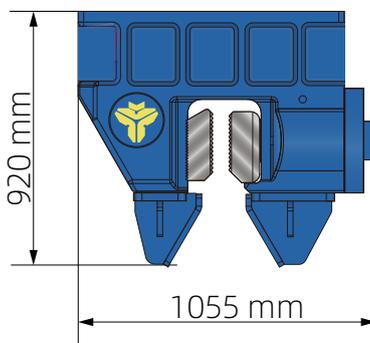


Double hydraulic clamp for  
Big size of pipe piles

Single hydraulic clamp for  
sheet pile and  
small size of pipe piles



3250 kgs

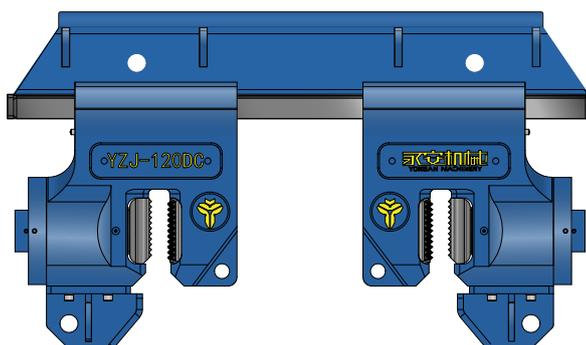


950 kgs

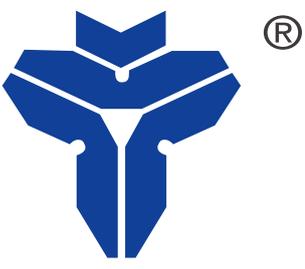
Clamping Force: 1200 kN

Working Pressure: 320 bar

with this beam will increase  
the holding scope up to more  
than 3 meters.

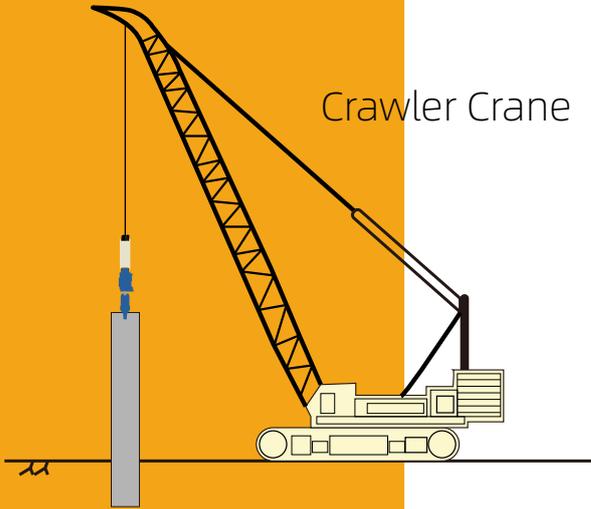


YZ-230F High Frequency & Resonance Free  
Hydraulic Vibratory Piling Extracting Hammer

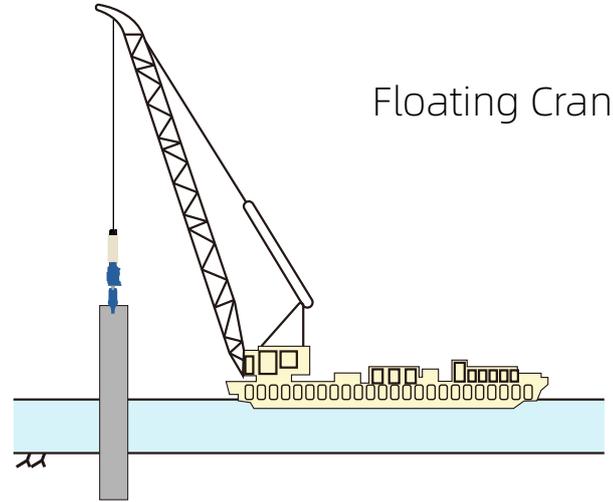


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Manufacturer

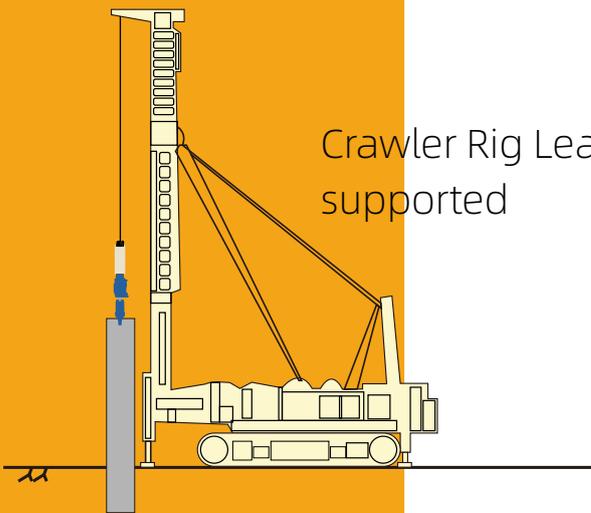
# Piling Applications



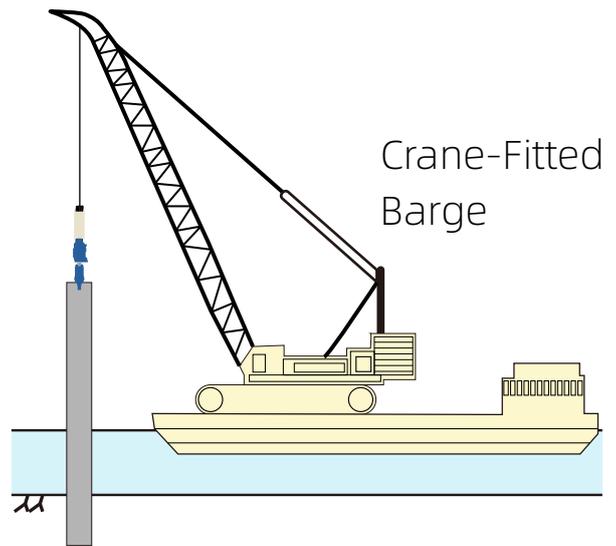
Crawler Crane



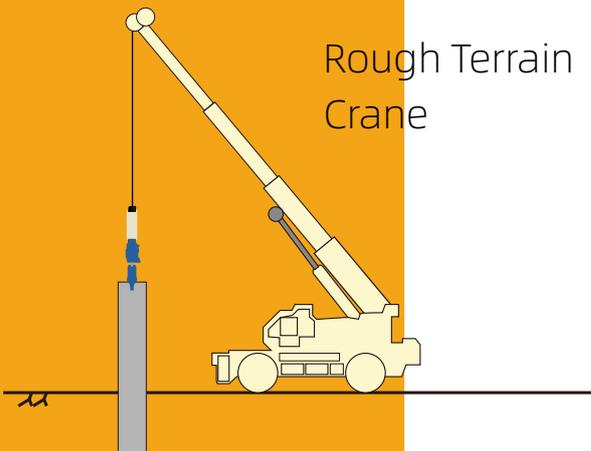
Floating Crane



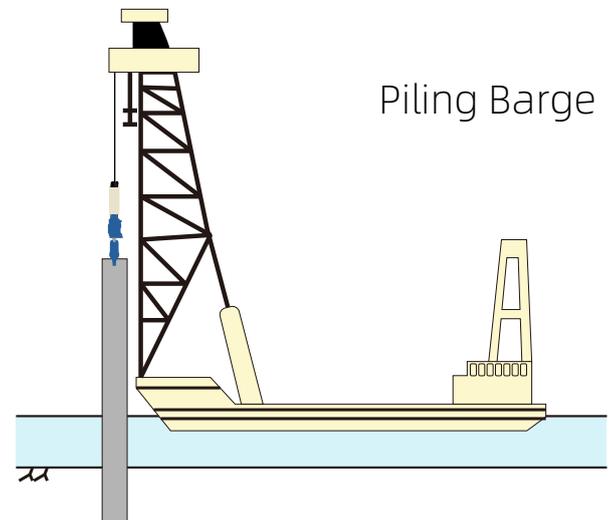
Crawler Rig Lead  
supported



Crane-Fitted  
Barge



Rough Terrain  
Crane

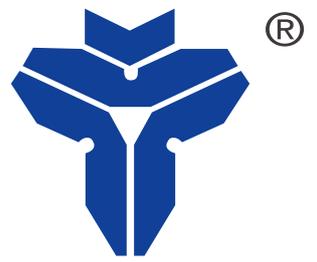


Piling Barge

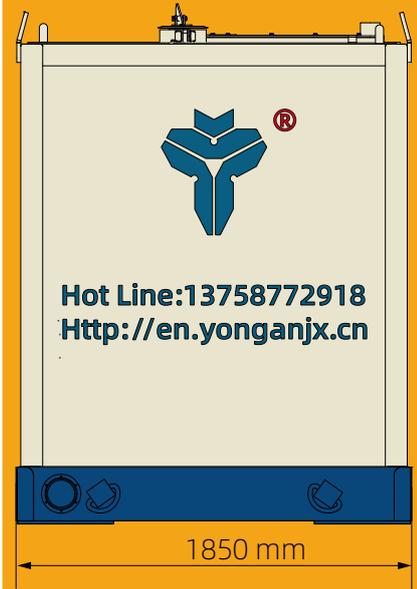
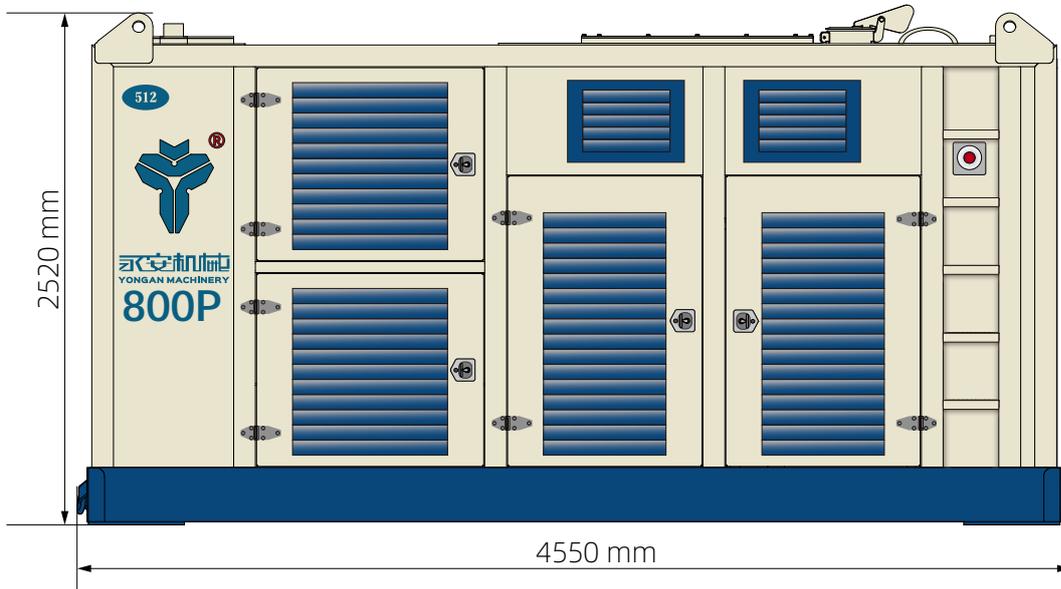


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# Hydraulic Power Pack



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- ◆ Engine: Cummins, CAT, Volvo
- ◆ Working Pressure: 320 bar
- ◆ Hydraulic Oil Tank Volume: 2200 L
- ◆ Max. Power: 522 Kw/746 HP
- ◆ Max. Oil Flow: 800 L/min
- ◆ Weight: 9000 KGS
- ◆ Max. Frequency: 2100 rpm
- ◆ Diesel Tank Volume: 600 L

## Feature:

Economical and durable

- Uses a high-performance Rexroth hydraulic plunger pump that pursues economy and durability

Quietness and portability

- Compact and lightweight body that takes into consideration quietness and portability by making full use of soundproofing technology.

Environmental

- Equipped with a third exhaust gas countermeasure engine optional, or take a electric motor instead of diesel engine.
- Uses biodegradable fats and oils as grease.

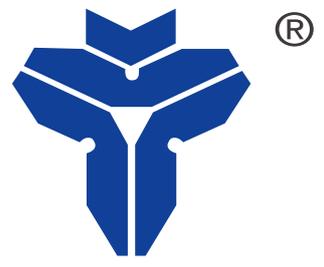
Functional

- Yongan hydraulic power pack both can support for hydraulic vibro hammer and hydraulic impact hammer.





# Contact us



Piling hammer  
Manufacturer

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