

HYDRAULIC VIBRATORY HAMMER

YZ-500B




永安机械
YONGAN MACHINERY



PRODUCT CATALOGUE

YZ-500B

1. 振动锤 / Vibratory Hammer

型号 Model	YZ-500B	
偏心力矩 (kg.m) Eccentric Moment	250	
最大转速 (rpm) Max. Frequency	1400	
最大激振力 (kN) Max. Centrifugal Force	5370	
最大拔桩力 (kN) Max. Pulling Force	2500/3200	
最大振幅 (mm) Max. Amplitude	33	
最大流量 (L/min) Max. Oil Flow	1600	
尺寸 长*宽*高 (mm) Dimension L*W*H	3590*1280*4180	
不含夹具的重量 (kg) Weight (clamps excluded)	24800/30000	

关键特征 / Key features

永安机械生产的打桩锤主机采用力士乐液压系统，并配备德国FAG重载轴承，能够显著增加设备的使用寿命。

The main body of the piling hammer produced by Yongan Machinery adopts Rexroth hydraulic system, and it is equipped with German FAG heavy-load bearings, which significantly improves the durability of the equipment.

此外，齿轮箱内采用一体式重型偏心块设计，能够产生更强的激振力，提高设备的打桩能力。而打桩锤的外部还喷涂了专用的船用防腐喷漆，可以确保打桩锤能够在海上或其他高盐度作业环境中平稳作业

In addition, the vibratory hammer uses an integrated heavy-duty eccentric block to generate stronger centrifugal force and improve the equipment's piling capability. The outside of the pile driving hammer is also sprayed with special marine anti-corrosion spray paint to ensure that the pile driving hammer can operate smoothly at sea or other high-salinity working environments.

2. 动力站 / Power Pack



Main Parameters			
发动机型号 Engine type	Cummins KTA38-C1350		-
最大功率 Maximum power	1007 kW		1350 hp
最高转速 Maximum frequency	1900 rpm		-
最大工作压力 Maximum operating pressure	320 bar		4641 psi
最大流量 Maximum oil flow	1600 l/min		422 US gpm
柴油箱容量 Fuel tank volume	1000 liters		264 US gallons
液压油管容量 Hydraulic oil tank volume	4200 liters		1109 US gallons
常规重量 Normal weight	20000 kg		44092 lbs
控制系统 Control system	控制面板 Control Panel		远程控制器 Remote Control

关键特征 / Key features

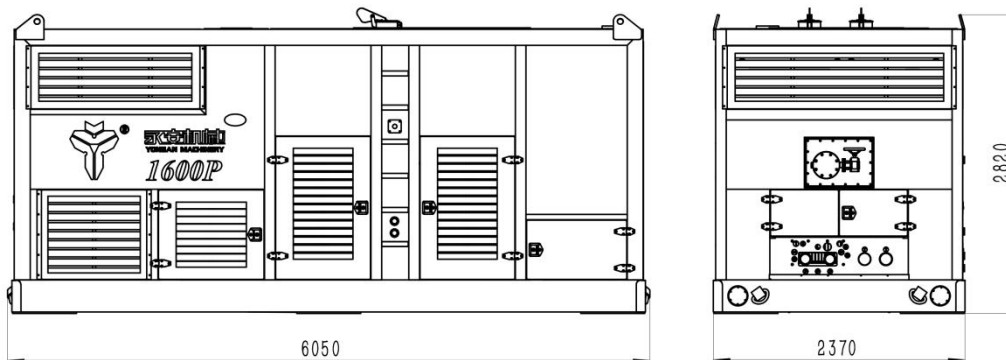
低噪音、节能的动力站符合最新的排气排放规定。它们可以不断地提供巨大的动力，操作者可以很容易地通过电缆或无线电遥控器进行操作。

The low-noise, fuel-efficient power units comply with the latest exhaust emission regulations. They can constantly provide enormous power and can be easily operated by cable or radio remote control.

此外，操作者可以通过数据调制解调器远程调用操作参数和机器数据。其特点是设计稳健，可靠性好，范围广泛的配件

Optionally, operating parameters and machine data can be called up remotely via data modem. They are characterized by a robust design, good reliability and a comprehensive range of accessories.

Dimensions



3. 夹持系统 / Clamping System

夹具类型 Clamp Type	四夹具 Quadruple clamp	
型号 Model	YZJ-160DC* 4	
夹持力 Clamping force (kN)	1600* 4	
工作压力 Operating pressure (bar)	320	
重量 Weight (kg)	1420*4	
最大夹持厚度 Max. Holding Thickness (mm)	65	
单个尺寸 Single Dimension	860*382*920	

关键特征 / Key features

永安机械的液压夹具采用整体铸造的生产工艺,这使得夹具在使用过程中具有更强的硬度和密封性。齿板采用优质合金钢打造,并经过特殊热处理,能够有效提高其耐磨性和灵活性。

Yongan Machinery's hydraulic clamps are produced by integral casting, which has stronger hardness and sealing performance during use. The jaw plate is produced using high-quality alloy steel and undergoes special heat treatment to significantly improve its wear resistance and flexibility.