

TZ390

公路护栏打桩机

Highway Guardrail Pile Driver



UTC



TeZhong Machinery

安徽特众机械科技有限公司

可以使用不同的属具来完成各种任务:

Different attachments can be used to complete various tasks:

设备使用领域:

1. 高速公路, 乡村公路等的护栏打桩, 拔桩, 钻孔。
2. 其他各种场地的打桩 (如农场, 牧场, 果园, 车棚) 等。

Application field:

1. Piling, pulling piles and drilling holes for guardrails on highways, rural roads, etc.
2. Piling in various other sites (such as farms, pastures, orchards, carports, etc.).

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TZ390-护栏打桩机
TZ390-Guardrail Pile driver

项目 Item	单位 Unit	数值 Value
导轨最大行程 Max. stroke of guide rail	mm	3950
打桩高度 Piling height	mm	3000
钻孔深度 Drilling depth	mm	2200
钻孔直径 Drilling diameter	mm	50-300
工作状态外形尺寸 (长×宽×高) Work dimensions (L ×W × H)	mm	2700×2650×3950
运输状态外形尺寸 (长×宽×高) Transport dimensions (L×W× H)	mm	2700×2000×2400
整车重量 Operating weight	Kg	3000
发动机额定功率 Rated power	KW	39
齿轮泵流量 Gear pump flow	ml/r	40-50
液压系统压力 Hydraulic system pressure	bar	160-200
液压系统流量 Hydraulic system flow	ml/r	63-80
液压锤型号 Hydraulic hammer model	/	85

打击频率 Impact frequency	bpm	400-800
单次冲击能量 Single impact energy	J	1260
钎杆直径 Drill rod diameter	mm	85
钎帽 (锤头) Drill cap	mm	可根据图纸定制, 满足任何桩型 Customized according to the drawings
行走马达扭矩 Torque of walking motor	Nm	1185-1450
行走速度 Walking speed	Km/h	5-12
液压马达扭矩 Torque of hydraulic motor	Nm	2700-3300
滑动导轨架倾角 Inclination angle of sliding guide frame	°	左30/右5 Left30/Right5
车架前后调整角度 Front and rear adjustment angle of frame	°	15
液压油箱 Hydraulic oil tank capacity	L	80
柴油箱 Fuel tank capacity	L	68



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01 内架 Inner frame

内架可以水平延伸 450 毫米。
The inner frame can extend horizontally by 450 mm.

而且，整个支架可以在前、后、左、右各个角度进行调整，以满足施工中的需要。
Moreover, the entire support can be adjusted in angles in all directions, front, back, left and right, to meet the needs in construction

02 竖导轨 Mast

垂直导轨高 3.95 m，可处理 3 m 以下的桩。
The vertical guide rail is as high as 3.95 m and can handle piles less than 3 m.

通过用动力头代替液压锤，它可以钻最大 2.2 m 深。
By replacing the hydraulic hammer with a rotary head, it can drill to a maximum depth of 2.2 m.



03 轮距 Wheel spacing

1.78 米加宽轮距为操作和行走提供了更强的稳定性。
The widened wheel track of 1.78 meters provides stronger stability for its operation and walking.

同时，它显著提高了操作精准度，这是一种效率 and 安全性更高的设计。
At the same time, it significantly improves the precision of operation. This is a design with higher efficiency and safety.

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04 发动机 Engine

它配备常柴 490B 四缸柴油发动机，功率为 39 KW，52 马力。发动机动力强劲，同时柴油更经济。

It is equipped with a Changchai 490B four-cylinder diesel engine with 39 KW and 52 horsepower. The engine has strong power, and diesel is more economical.

发动机支持定制

The engine supports customization.

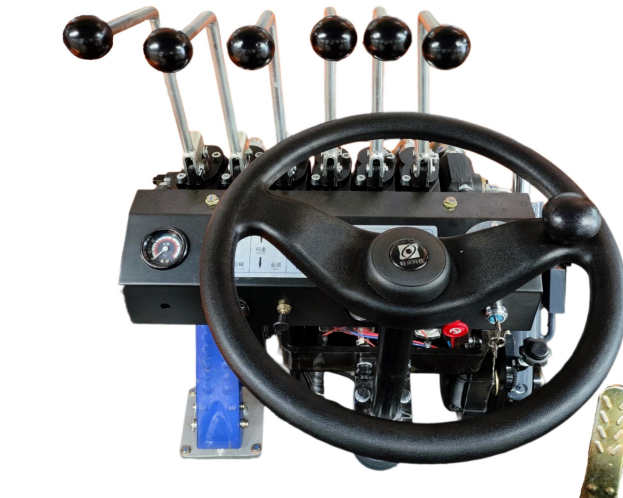
05 锤 Hammer

单次冲击能量：1260 焦耳（450-900 BPM/295 KG，工作重量为 440 KG）

Single impact energy: 1260 Joules (450-900 BPM/295 KG with a working weight of 440 KG)

单次冲击能量：1460 焦耳（450-700 BPM/500 KG，工作重量为 650 KG）

Single impact energy: 1460 Joules (450-700 BPM/500 KG with a working weight of 650 KG)



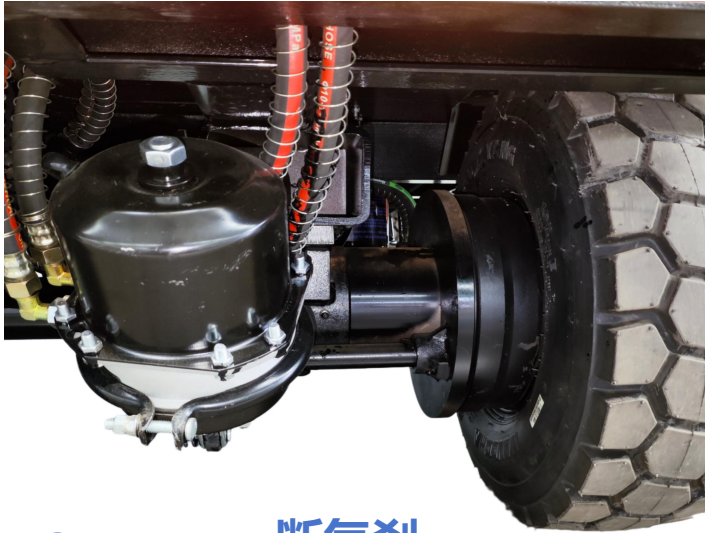
06 集成式操作台 Integrated operating console

集成式操作台只需一个人驾驶即可完成机器的所有操作。
The integrated operating console allows all operations of the machine to be completed by one person driving.

简单易上手。

It is simple and easy to get started.

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07 断气刹 Air cut brake

后轮制动器采用真正的断气刹，并配备两个气泵。
The rear wheel brake adopts a real air cut brake and is equipped with two air pumps.

断气刹动力强劲，为整车提供更高的安全性能。此外，它与机器的其他系统兼容，易于维护，并使施工作业更加高效。

The air cut brake has strong braking force, providing higher safety performance for the whole vehicle. Moreover, it is compatible with other systems of the machine, easy to maintain, and makes construction operations more efficient.

08 液压油箱 Hydraulic oil tank

容量：80 L
Capacity: 80 L

液压油箱上采用呼吸阀，可以保持液压油清洁，保持液压油内部压力稳定，大大提高了安全性。同时，可以防止液压油乳化，延长液压油的使用寿命。
A breather valve is used on the hydraulic oil tank, which can keep the hydraulic oil clean and maintain the stable internal pressure of the hydraulic oil tank, greatly improving safety. At the same time, it can prevent the emulsification of hydraulic oil and prolong the service life of hydraulic oil.



09 三通阀 Three--way valve

主回油管增加了一个三通阀。打桩钻孔时，回油方向可任意切换。加快回油速度，使频率更高、更快。
A three-way valve is added to the main oil return pipe. When piling and drilling, the oil return direction can be switched arbitrarily. Speeding up the oil return direction makes the frequency higher and faster.