

S350 Horizontal Directional Drilling Machine



钻机介绍 Introduction

1. 东风康明斯发动机, 动力强劲、性能稳定、油耗低、噪音小, 更适合城市施工。
Equipped with Cummins 153kw engine, large power, stable performance, lower fuel consumption, lower noise, more suitable working in city area.

2. 动力头推拉和选择都采用美国伊顿大扭矩摆线马达直接驱动, 扭矩大, 性能稳定。旋转双速设计, 钻速快、扭矩大; 推拉三档加速, 让施工速度更快。推拉和旋转系统均采用液压控制。

Power head thrust and rotation adopts cycloid motor from Eaton, with large torsion, stable performance. Rotation have two speed, drilling faster and more torque; Thrust have 3 speed, let the work finished more faster. Thrust and rotation system both use hydraulic control system.

3. 欧美风格的硬设计, 造型美观大方。
American style surface, looks so powerful.

4. 更合理简洁的电路设计, 故障率低, 便于维护。
Simple electric circuit design, low failure rate, convenient maintenance.

5. 配用 $\phi 73 \times 3000\text{mm}$ 或 $\phi 83 \times 3000\text{mm}$ 钻杆, 机身占地面积小, 满足在狭窄场地高效施工的需求;

Equipped with $\phi 60 \times 3000\text{mm}$ or $\phi 83 \times 3000\text{mm}$ drill rods moderate machine size adapts to narrow and small working area and high efficient construction as well.

6. 独特的泥浆流量控制系统, 满足客户在施工中最大程度的节省用水。
Mud flow control system, can depends customer project save water.

7. 可以选配自动上杆、自动锚系统和增力系统, 增力可达70吨
Rod auto loading system、Auto anchoring system and push and pulling force increase to 70ton can be choose separate.



S350 Horizontal Directional Drilling Machine



技术参数 Specification

| | | | |
|-----------|-------------------------------|-------|------------------|
| 发动机 | Engine Power | KW | 153/2200 |
| 最大顶力 | Max Thrust force | KN | 350/700 |
| 最大回拖力 | Max Pullback force | KN | 350/700 |
| 最大扭矩 | Max Torque | N.M | 13000/15000 |
| 最大钻速 | Max Rotary speed | Rpm | 138/110 |
| 最大动力头行走速度 | Max carriage speed | m/min | 38 |
| 最大泥浆泵流量 | Max Mud pump flow | L/min | 320 |
| 最大泥浆压力 | Max Mud pressure | Mpa | 8±0.5 |
| 主机尺寸 | Main machine size | mm | 6800x22400x22600 |
| 重量 | Weight | T | 12 |
| 钻杆直径 | Diameter of drilling rod | mm | φ73 or φ83 |
| 钻杆长度 | Length of drilling rod | m | 3 |
| 最大扩孔直径 | Max diameter of pullback pipe | mm | φ150 – φ1000 |
| 最大穿越距离 | Max construction length | m | 500 |
| 入射角 | Incidence Angle | ° | 11 ~ 22 |
| 爬坡角 | Climbing angle | ° | 14 |