

JIANGSU GOODENG HEAVY MACHINERY TECHNOLOGY CO.,LTD
GS200-LS Nordic edition Horizontal Directional Drilling Machine

1. Main Technical Parameter

| | | | |
|------------------------------|--------------|------------------------------|------------------|
| Rig Weight | 8800kg | Dimension(L×W×H) | 6750×2050×2400mm |
| Max. Thrust & Pullback Force | 225kN | Max. Thrust & Pullback Speed | 60m/min |
| Max. Torque | 6500N • m | Max. Rotation Speed | 230r/min |
| Engine Power | 110kW | Max. Mud Pump Flow | 250L/min |
| Caterpillar Crawling Speed | 2.5-4km/h | Max. Mud Pressure | 8MPa |
| Entry Angle | 12°-22° | Max. Climbing Gradient | 17° |
| Drill Rod Size | Φ60×3000 mm | Drill Rod Box Capacity | 48pcs(4×12) |
| Suggest Reaming Dia. | ≤ Φ900mm | Suggest Crossing Length | ≤ 300m |

2. Main Configuration

| No. | Name | Specific | Unit | Qty. | Remarks |
|-----|----------------------------------|-----------------------------|------|------|--------------------------|
| 1 | Engine | 110kW/2300rpm | set | 1 | Cummins |
| 2 | Hydraulic pump | Gear pump | set | 1 | Jinan Military/ other |
| 3 | Hydraulic motor | Rotation motor | sets | 2 | American Eaton/ other |
| | | Thrust & Pullback motor | sets | 4 | American Eaton/ other |
| | | Hydraulic motor for walking | sets | 2 | Jingken/other |
| 4 | Mud pump | 250L/min | set | 1 | Leike/Elephant/ other |
| 5 | Steel track | With rubber plate | set | 1 | purchase |
| 6 | Rain shed | | pc | 1 | Self-made |
| 7 | Auto Loading Box of Drill Rod | | set | 1 | Self-made |
| 8 | Auto anchor | | set | 1 | Self-made |
| 9 | Operation room with A/C | | set | 1 | Self-made |

3. Main Performance Characteristic

1. The machine is equipped with Cummins engine, with high efficiency, large power, low fuel consumption, low noise, and strong ability in construction.
2. Rotation adopts American Eaton large torque motor driving directly, with large torque, stable performance, and two gears speed regulation. Thrust & pullback adopts American Eaton motor and three gears speed regulation. The Construction speed is far ahead of other manufactures in the same industry. Driving head reserves reinforced power -push & pull force, which expands the scope of drilling construction.
3. It is equipped with hydraulic gear pump with military technology. Steel track walks by wire-control, which is convenient for load & unload and transfer.
4. Operation table adopts man-machine construction manner with comfortable operation, which greatly reduce workers fatigue level, broad vision, and comfortable seat.
5. Equipped with $\Phi 60 \times 3000$ mm drill rod, the machine uses less field area, meeting the requirement for high efficiency construction in small place.
6. Electric design is reasonable with low failure rate, which is easy to maintain.
7. The rig shape is beautiful, easy to repair, which fully shows “people-oriented” design vision.

4. Pictures

