

/TC89 Mining hydraulic drilling rig

Product introduction:

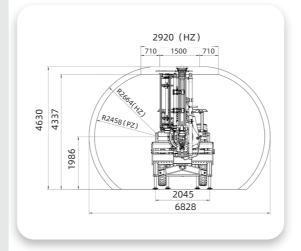
• CYTC89 mining hydraulic drilling vehicle is a fully hydraulic medium-deep hole rock drilling mining equipment, suitable for mining operations in small and medium-sized tunnels in non-coal mines. It is equipped with an automatic loading and unloading drill rod magazine, with optional capacity of 17+1 and 27+1 drill rods, and can drill blasting holes of 51~89mm. It is equipped with a 3m parallel slide, a 360° circular rotation device, a ±45° swing device, and a 20° forward and 65° backward flip device. The positioning coverage is wide, and it can realize the drilling of parallel blast hole groups and circular blast hole groups.



(A) Main features:

- Multi-power system: diesel-electric dual power system, diesel power for walking, motor hydraulic drive for each actuator to work, diesel power can retract each actuator when power is off.
- Flexibility: The whole machine has a compact structure, multi-gear driving speed is adjustable, four-wheel drive, strong power in small and medium-sized tunnels with various complex working conditions, flexible moving and turning; articulated engineering chassis, detachable, suitable for narrow tunnels, mine tunnels and mines without ramps and other working environments.
- Safety: Equipped with safety protection lifting roof, fire extinguishing device, double-bridge wet brake and other various safety warning systems, it ensures the safety of operation under the premise of realizing the function; standard remote control console ensures sufficient safe working distance, easy operation, good vision, and convenient observation of various working conditions such as opening, drilling and connecting drill rods.
- Interchangeability: It can be used with well-known domestic and foreign brands of rock drills, and has strong universality and interchangeability with the spare parts (hydraulic parts, hoses, joints, lubrication, etc.) of imported well-known brands.
- Precision: Equipped with a stable support mechanism for the drill arm, it is easy and fast to position, accurate and reliable, highly flexible, and can achieve fan-shaped drilling.
- Efficiency: Equipped with a drill rod library, it can realize automatic connection and removal of drill rods. The standard rod magazine can accommodate 17+1 drill rods (optional 27+1 rod library), which improves work efficiency and effectively reduces labor intensity.
- Open cab, modular component design, reasonable space layout, easy inspection and maintenance.
- Standard remote control console ensures that the operator has enough safe working distance, convenient operation and good vision, and is easy to observe various working conditions such as opening holes, drilling holes and connecting drill rods.

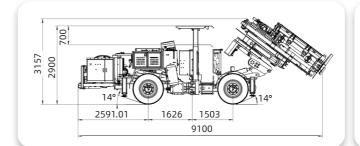
(S) Working Scope:

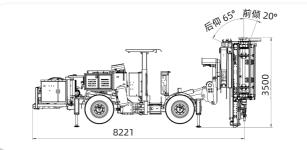


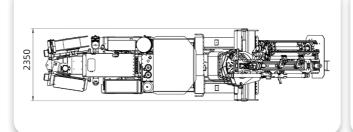
(S) Technical parameters:

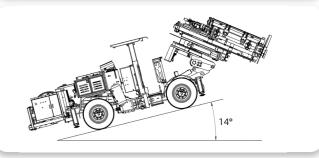
| | Item | Parameter |
|---------------------|--|--|
| Overall performance | Transport dimensions(L×W×H) | 9100x2350x3500(Propulsion beam placed horizontally 2900)mm |
| | Machine weight | 15000kg |
| | Operating range(W×H) with 1220mm drill rob | (Min. 4×3.5) / (Max. 6.8×4.6) m |
| | Drilling diameter | 51~89mm |
| | Drill rod length | Standard 1525mm(Optional1220/1830mm etc.) |
| | Drill rod storage | Standard 17+1 pcs (Optional 27+1 pcs) |
| | Drilling depth | 43m |
| Driving system | Drive type | Torque converter + reduction gearbox, four-wheel drive |
| | Braking system | Driving: Closed wet multi-circuit hydraulic brake Parking: Spring mechanical brake |
| | Ground clearance | 300mm |
| | Min. Turning radius | Inner: 3600mm; Outer: 5650mm |
| | Max. Climbing ability | 14° |
| | Rear axle swing angle | ±6~±8° |
| | Max. Driving speed | 18km/h |
| | Tires | Solid tires for mining |
| Rock drill | Impact power | 20kW (Optional 22kW) |
| Positioning system | Propulsion compensation stroke (1.5 or 1.8m drill rod) | 1200mm |
| | Max. Parallel hole spacing | 1.5m |
| | Propulsion beam rotation angle | 360° |
| | Propulsion beam tilt angle | Lean Forward 20°, Lean backward 65° |
| Power system | Power mode | Diesel-electric dual power: diesel power for traveling, electric motor power for operation |
| | Diesel engine rated power and speed | Cummins 96kW/2500rpm |
| | Main motor rated power | 55kW |
| | Main motor rated voltage | 380V(Customizable 660V/1000V/1140V) |
| | Cable length | 100m |

Schematic diagram:









Note: Due to different customer needs, the parameter settings may vary. Our company reserves the final right of interpretation for the above content. If you need product customization or to get a quote, please call the consultation hotline +86 15215510300 or send an email to lance@ah-jarlo.com

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