

KAISHAN KL511 DRILL JUMBO



KAISHAN" brand of KL511-type full-hydraulic open-air drill carriage is equipped with standard drill rod with diameter of 45/51mm, which can be used to drill vertical, inclined and horizontal blasthole with diameter of 76-127mm. KL511-type full-hydraulic open-air drill carriage can be widely applied for hole drilling of cutting excavation, pipe laying, foundation engineering and open-pit mine. KAISHAN" brand of KL511-type full-hydraulic open-air drill carriage is equipped with standard drill rod with diameter of 45/51mm, which can be used to drill vertical, inclined and horizontal blasthole with diameter of 76-127mm. KL511-type full-hydraulic open-air drill carriage can be widely applied for hole drilling of cutting excavation, pipe laying, foundation engineering and open-pit mine.

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| Boundary dimension and weight | Shipping dimension (Length×Width×Height) | 11100*2520*3320mm |
| | Weight | 15000kg |
| Articulated drill boom and base palte | Ground clearance | 420mm |
| | Rack rotation | 120°+60° |
| | Covering area of drill hole | 26.5㎡ |
| | Caterpillar frequency adjustment angle | 10°up, 10°down |
| | Running speed | 0-3.5km/h |
| | Gradeability | 30° |
| | Traction | 120kN |
| | | |
| Powerunit | Engine | Caterpillar C7 |
| | No. of Cylinders | 6 |
| | Output power | 168kW/2200rpm |
| | Drive mode | Gearbox |
| | Hydraulic pump | 2×Variable displacement piston pump+2×gear pump |
| | Rotary screw air compressor | KAISHN |
| | Air volume | 9.6m³/min |
| | Air pressure | 10bar |
| | Fuel tank | 350L |
| Dust collecting system | Dust collector ability and vacuum degree | 23m³/min; 1000mm water column |
| | Filter Element / Materials | 13 pieces/fiber |
| | Filtration area | 10㎡ |
| | Power of hydraulic motor | 12kW |
| Hydraulic rock drill | Model | HC170RP |
| | Impact power | 23.4kW |
| | Max impact pressure | 180bar |
| | Impact frequency | 41Hz |
| | Maximum torque | 1590Nm |
| | Maximum rotary pressure | 200bar |
| | Maximum turning speed | 130rpm |
| | Shanks lubrication | Air/oil mist/electronic lubrication pump |
| | Oil consumption for lubrication | 15 drops/min |
| | Drilling diameter | 76-127mm |
| Hydraulic system | Driving, rock drilling | Load sensing mode |
| | Filter fineness | 10μm |
| | Cooling capacity | +50° environmental temperature |
| | Hydraulic oil tank | 200L |
| Drill boom, propulsion beam and rod changer | Lift of drill boom | 83° |
| | Lift of folding arm | 87° |
| | Tilt angle of carriage | -56°/52°; -20°/94° |
| | Inclination of carriage | 125° |
| | Compensative travel | 1353mm |
| | Travel of jackdrill | 4150mm |
| | Maximum propulsive force | 19kN |
| | Propulsion mode | Motor- roller chain |
| | Economic drilling depth: | 25m |
| | Extension rod mode | Automatic rod extension and removal |
| | Quantity of rod | 6+1 |
| | Model of drill rod | T45/T51 |
| | Propulsion stroke | 4150mm |
| | Lubrication of drill stem thread | Standard |
| Control system | Travel control | Hydraulic pressure guide + wireless remote control |
| | Drill boom control | Direct control of hydraulic pressure |
| | Rock drilling control | Guide control (electrical/ hydraulic) |
| | Trepanning control | Stepless |
| | Impulse control; | Impact press Control |
| | Blocking prevention | Hydraulic pressure |
| | Voltage | 24V, DC |
| Cab | Safety cab | Meet anti-rockfall and anti-rolling standard |
| | Interior noise level | Lower than 85dB |
| | Control function | Drill hole, travel, drill boom action and rod changer |
| | Seat | Adjustable |
| | Air conditioning | Standard temperature |
| | Entertainment | Radio +MP3 |