

## APPLICATION

Pantera 900 is a hydraulic, self-propelled, self-contained, crawler based surface drilling rig equipped with a cabin and a rod changer. It drills 89 - 127 mm (3 1/2" - 5") vertical, inclined or horizontal holes with 50 mm (2") or 60 mm (2 3/8") extension rods. Good results in difficult ground conditions are obtained by using pilot tube drilling, where the first rod is replaced by a 76 or 87 mm (3" or 3 1/2") tube.

Pantera 900 is equipped with HL 1010, hydraulic top hammer rock drill. With high rotation torque, proper flushing and sophisticated, ergonomic Rock Pilot control system the rig adapts itself easily into varying rock conditions.

The rig has a telescopic boom for fast hole spotting and set up of the feed. The cylinder feed for max. 6,1 m (20 ') starter rod for single pass drilling together with carousel type rod changer with a possibility to use 4,3 m (14 ') rods add productivity of drilling.

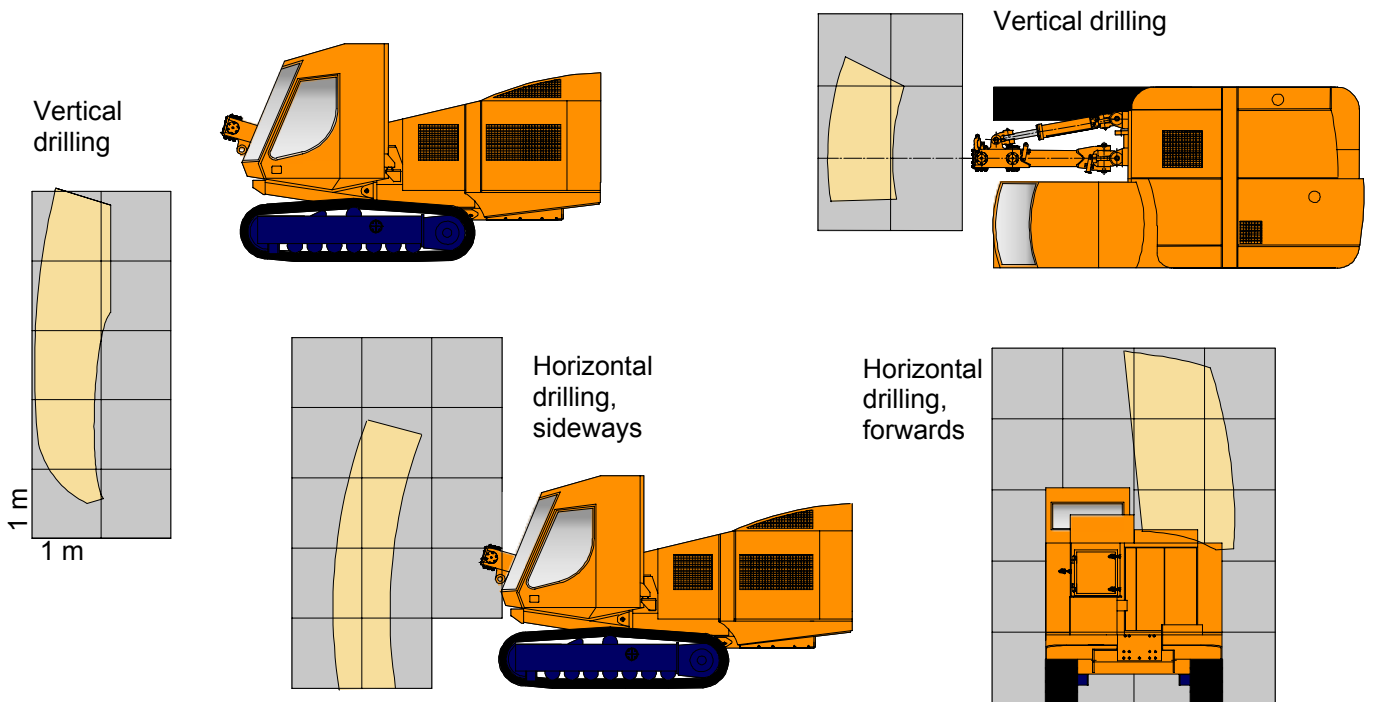
The powerpack of Pantera 900 consists of Caterpillar diesel engine and a gearbox, which divides the power for hydraulic pumps (two variable displacement pumps and one gear pump) and flushing air compressor.

All panel sections can be opened for easy access to service spots. Powerpack is mounted crosswise at the rear of the rig to balance the weight of the boom and the feed.

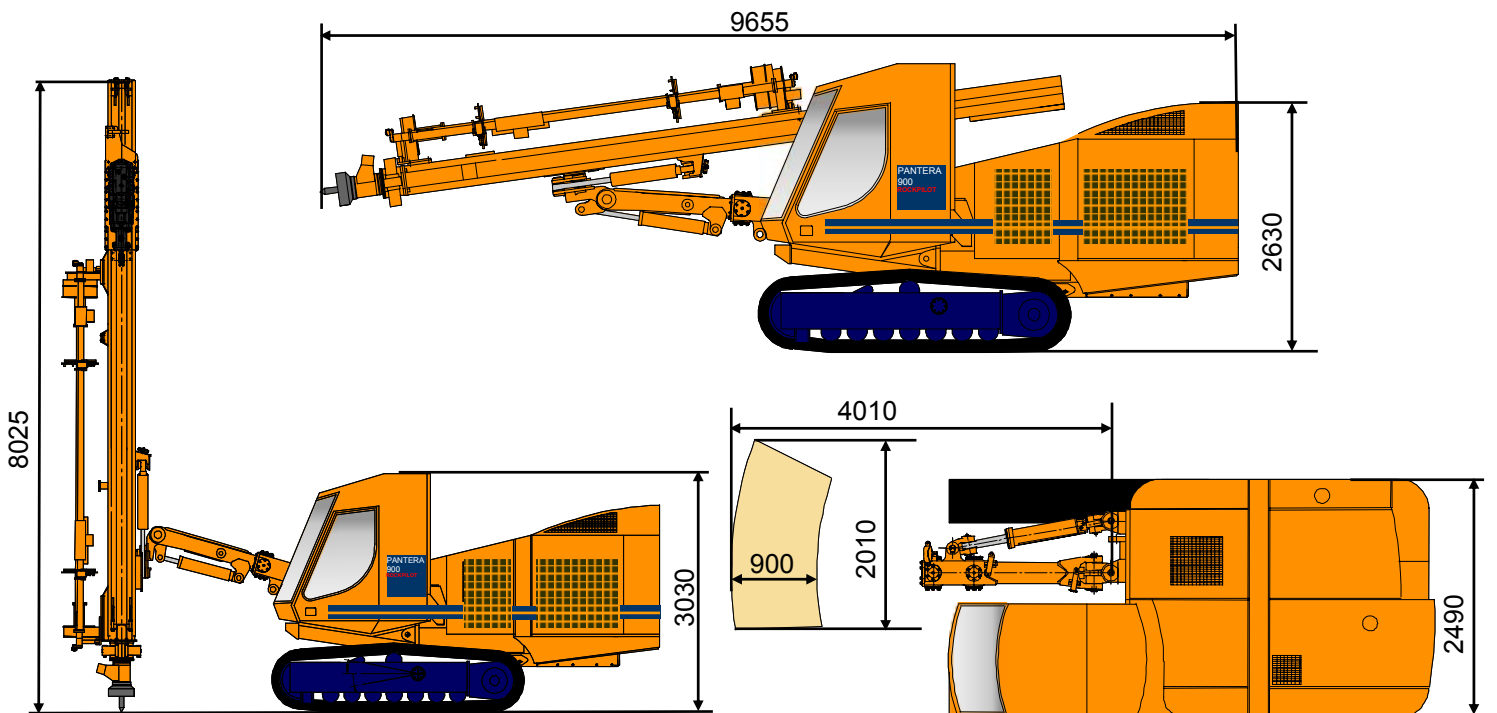
Pantera 900 has an ergonomic and roomy full vision cabin to increase operator's comfort and efficiency. The cabin is certified for F.O.P.S. and R.O.P.S. (Falling Object Protection Structure and Roll-Over Protection Structure). Windows are safety laminated and the noise level in the cabin is less than 80 dB(A). Optimal visibility to the drilling spot is achieved by locating the control levers to both sides of the cabin. Drilling functions are proportionally controlled by one joystick on right hand side. Rod changer functions are controlled by another joystick on left-hand side. Cabin exceeds all standards for operator's working environment.

Pantera 900 is designed for efficient production drilling in medium to large quarries or open pit mines and construction work sites. It suits well also for wall control and development works. To customize the rig it can be equipped with a variety of options to meet special requirements.

## COVERAGE AREA



## DIMENSIONS



## STANDARD COMPONENTS

1. Rock drill HL 1010, hydraulic
2. Feed LF 1514
3. Rod changer RC 1514
4. Boom ZB 1550 H, telescopic
5. Carrier FL 6, oscillating
6. Powerpack Diesel driven,  
hydraulic pumps and  
on board compressor
7. Hydraulic system Load sensing and  
open center
8. Control system THC Pro with Rock Pilot
9. Operator's cabin Ergo Pro
10. Dust collection system DC 1550 H, hydraulic
11. Working lights 8 pcs
12. Gauge set For accumulator pressure  
checking
13. Reversing alarm
14. Manuals Service and spare parts  
manuals:  
2 x paper copy  
2 x CD-ROM (Toolman)
15. EU-safety devices

## TRANSPORT DIMENSIONS

Weight	18 700 kg
Width	2.52 m
Height	3.2 m
Total length	10.5 m

## THE JAWS FOR DRILL STEELS

	Drill steel type	Drill steel diameter	Recommended hole diameter
1.	Extension rods/ MF-rods	51 mm 2"	89 -127 mm 3 ½" - 5"
2.	MF-rods	60 mm 2 ¾"	89 - 127 mm 3 ½" - 5"
3.	Pilot tube	76 mm 3"	89 - 102 mm 3 ½" - 4"
4.	Pilot tube	87 mm 3 ½"	102 -127 mm 4" - 5"

## ADJUSTMENT INFORMATION FOR DELIVERY

### Extension rod lengths

1. 3 660 mm 12'
2. 4 270 mm 14'

## SELECTION OF OPTIONS

1. Heating and air conditioning
2. Rod greasing
3. P&Q electric angle indicator
4. Electric angle indicator TIM 2302
5. Measuring system TIM 2303
6. Laser based measuring system TIM 2305
7. Power extractor
8. Electric filling pump for refuelling
9. Remote control box &  
hydraulic winch (7 tons)
10. Rollers for rod changer RC 1514
11. Hose reel
12. Three-bar grouser plates
13. Guides for grousers
14. Flushing control automatics
15. Shut-down of suction for water holes
16. Water injection system
17. Water injection system w/o tank
18. Hydraulic ground support HM 75
19. Fuel heater for cabin, hydraulic oil and  
engine
20. Kit for alternative steels
21. Movable drill steel support
22. Horizontal drilling support
23. Towing hook
24. Readiness for Power extractor
25. Extra manuals
26. First service kit
27. Special tools for HL 1010, field kit
28. Special tools for HL 1010, complete
29. Central lubrication system
30. Fast fill connection for fuel and water tanks
31. Fast fill connection for engine coolant,  
hydraulic oil, engine oil
32. Sanrock Mini H hydraulic bit grinder
33. Radio and CD player
34. Biodegradable hydraulic oil, Shell naturelle  
HFE 46 or HFE 68 (synthetic ester)
35. Antifreeze for air lines