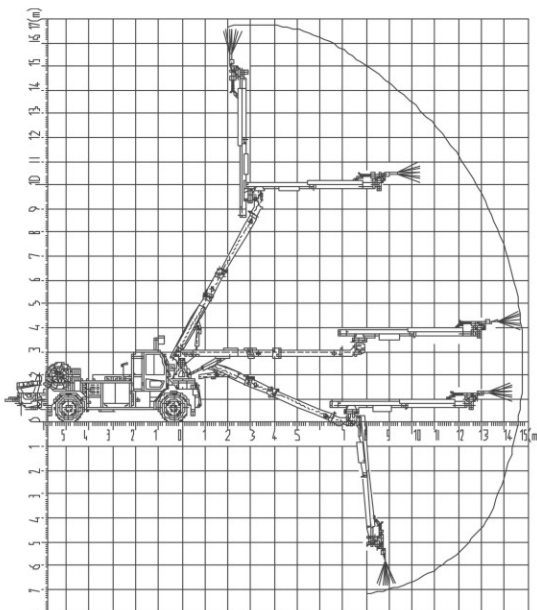
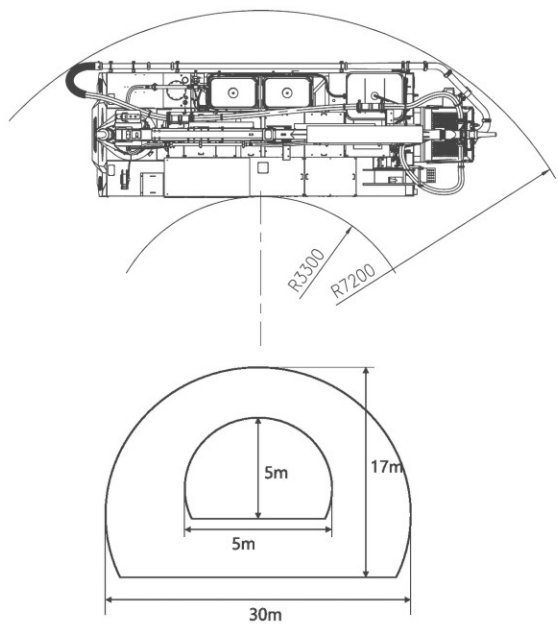
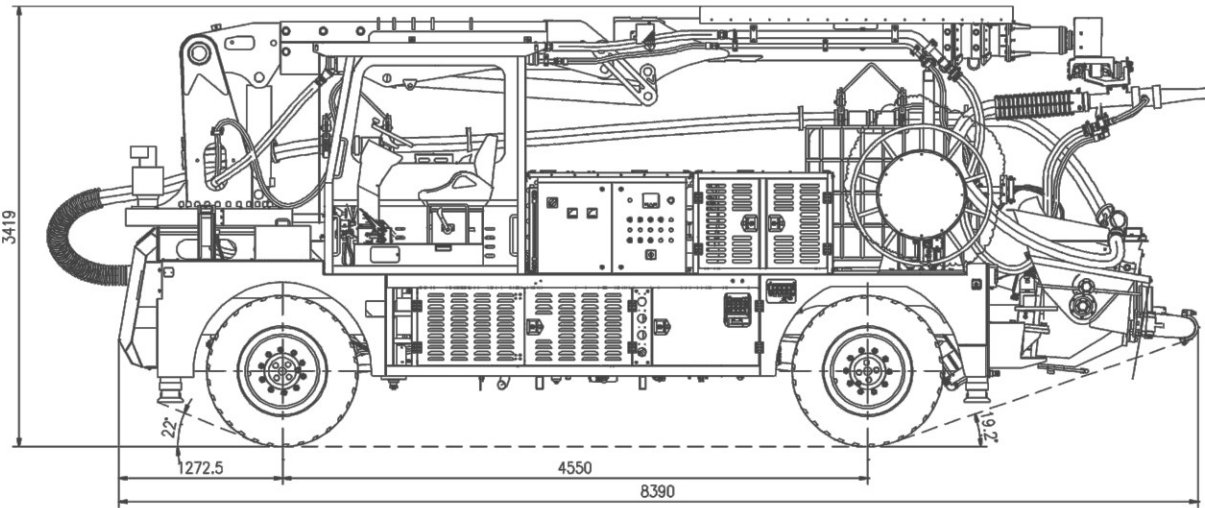
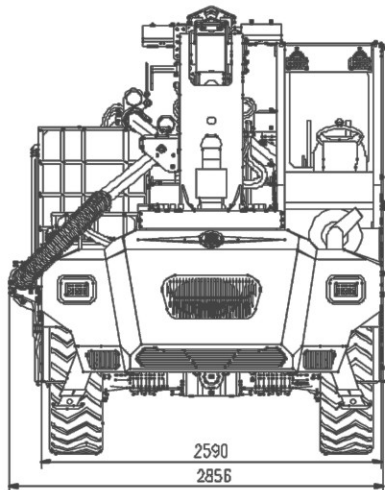


HP3017
Shotcrete Machine

TECHNICAL DRAWING

Optional Equipment

- 3D Laser Scanning
- Engine Preheating System
- Automatic Fire Extinguishing System
- 75kW/110kW Air Compressor
- HP cleaning System
- Enclosed Cab
- Cab Air Conditioning
- Data Collection and Transmission System
- Engine Emission Euro V
- Plateau Optional Package
- Folding Boom
- Multivoltage (400V/690V, 50 Hz/60 Hz)



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HP3017 Shotcrete Machine

Technical Specification





Intelligence: Better, Faster, Safer Construction

KEY FEATURES

Coverage(H×W)(m)	17×30
Min.cross-section(m)	5×5
Chassis transmission	Hydrostatic
Max. speed(km/h)	20
Driving	4 VWD
Steering	Hydraulic four-wheel
Turning radius(l/O)(m)	3.3/7.2
Transport width(mm)	2860
Transport height(mm)	3420
Transport length(mm)	8390
Total weight(kg)	18000 (depending on options)

HP3017 series features high spraying efficiency, wide coverage, low comprehensive rebound rate, flexible operation, and excellent plateau adaptability. It has been proven in a large number of projects, even at a plateau with an altitude of 4,600 meters.

It offers superior coverage with maximum operating height of 17m, maximum width of 30m, and is suitable for working in tunnels with a minimum cross-section of 5×5m. It has a maximum spraying capacity of 30m³/h. It is applicable for full cross-section excavation and bench excavation in various long and large tunnels.

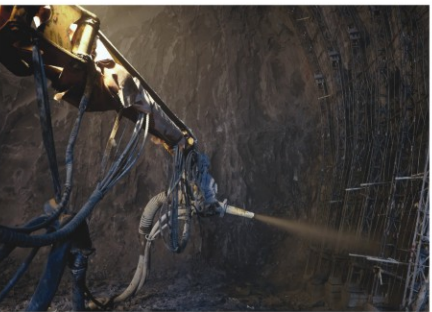


MAIN BENEFITS



Flexible single boom and wide coverage

Through the slewing, swing and telescoping mechanisms, the boom is equipped with 8/9 degrees of freesom.



High construction efficiency

With a maximum pumping capacity of 30m³/h, it is applicable to various types and mix proportions of concrete, achieving a low comprehensive rebound rate within 12%.



Engineering-specific chassis

It features high power and high reliability, four-wheel drive, four-wheel steering, and small turning radius, making it suitable for narrow tunnel road conditions.



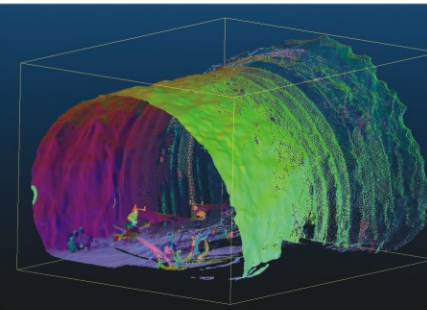
Real-time detection function

Conventional equipment is equipped with real-time fault monitoring, automatic abnormality alarm, and dual emergency shutdown functions.



Rich configuration(optional)

A variety of plateau configurations are available, ensuring strong adaptability to plateau environments.



Rich information functions(optional)

The intelligent wet shotcrete machine has the functions of automatic scanning, path planning, and one-button shotcreting.

All-round after-sales service of CREG

Adhering to the development concept of "professional manufacturing and professional service", we have established an after-sales service organization specializing in tunnel and mine construction equipment.

At present, the after-sales service center has nearly 200 service engineers, and is capable of servicing multiple work site and various equipment simultaneously. We can provide 24-hour comprehensive service for you.



STANDARD EQUIPMENT

Chassis system

Chassis type	Rigid frame chassis
Chassis transmission form	Hydrostatic
Driving speed(km/h)	0-20
Gradeability(°)	20
Min. ground clearance(mm)	450
Braking distance(m)	4.5
Engine power (kW)	92
Emission standard	CN-stage IV

Boom system

Structural type	Telescopic boom
Boom slewing(°)	270
Boom pitching(°)	0~70
Boom telescoping(m)	1.4
Arm pitching(°)	-140~50
Arm telescoping(m)	3.5
Nozzle axial slewing(°)	360
Nozzle axial swinging(°)	240
Nozzle nutation(°)	8×360

Hydraulic system

Pump unit motor power (kW)	55
Pumping hydraulic system rated pressure (MPa)	23
Hydraulic tank capacity (L)	400

Pumping system

Max. pressure on concert(MPa)	8
Hopper filling height(mm)	1400
Max. particle size of concrete(mm)	16
Concrete cylinder(diam.x stroke)(mm)	180×1000

Synchronized additive system

Accelerator pump type	Cam hose pump/peristaltic pump
Accelerator pump motor power(kW)	1.5
Max. working pressure(bar)	10
Adjustment range(L/h)	0-1000
Additive tank(L)	1000

Electrical system

Voltage /Frequency(V/HZ)	380/50
Cable model	3×35+3×6
Cable reel capacity(m)	80

Extra item

Control	Remote control/local control
Lubrication	Manual/automatic