

JAIHA

JMS 7000

Robust, safe and purpose-built for scaling

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The **JMS 7000** is a Swedish-made quality machine that is the result of more than 70 years' experience from the Scandinavian mining industry. The compact machine is tailor-made for efficient scaling in demanding mining contexts, with a safe driver environment, high availability and long service life.

Five major benefits

Tailor-made for scaling

Each individual component is specially tailored for scaling, which makes the JMS 7000 the best machine for the task.

Secure, safe driver environment

The machine's tiltable cabin provides good operator visibility and major ergonomic advantages. Together with the tough safety glass and protection grid, the integrated protection cage provides a very safe environment. The cabin has good sound comfort and is vibration dampened.

Compact power unit

With a width of 2.35 metres, a wheelbase of 3.75 metres and the ability to run on batteries, diesel/electric and diesel, the JMS 7000 is a compact, powerful scaling rig with high performance.

High productivity

Its tried-and-tested powertrain and robust boom system make the machine both powerful and efficient. The JMS 7000 boasts more than 90 per cent availability, ensuring high, consistent scaling productivity.

Long service life – low TCO

The JMS 7000 is designed to last, with carefully selected components, a sound choice of materials and safe design solutions able to withstand tough mining environments. This means a low total cost of ownership over time.



Smart features that make servicing easier

The machine comes with central lubrication as standard and is easy to service and maintain. Service personnel are able to perform troubleshooting easily, thanks to diagnostic tools located in the operator panel.

Multiple drivetrain options

The JMS 7000 can be delivered with precisely the drivetrain option that suits the customer's preferences best. Customers can choose a machine powered by diesel, battery or a diesel/electric combination.



Built for scaling – down to the last detail

The result of industry-leading R&D. The JMS 7000 shows how well Jama has taken care of the experience and competence that has been built up through the years. The results are a machine that is optimized for scaling, down to every single detail.

Compact machine

Height 2.80 m Width 2.35 m Wheelbase 3.75 m
(shown in graphics)

Powerful boom system

Reach is almost 7 m (shown in graphics)

Reliable drivetrain

Drivetrain with proven components.

Tiltable cabin

The cabin has excellent ergonomics and is tiltable to provide a better overview and comfort during scaling operation.

Safe driver environment

Toughened glass and integrated protection cage.





Large working area without need to move

Despite its being a very compact machine, the JMS 7000 has an impressive reach of almost seven metres, which allows a very large working area to be covered without moving. The machine's boom system is designed to cope with heavy loads and shrug off falling rocks while also being responsive and precise.



Emergency escape window

Improves the safety for the operator..

Safety function

The operator activates a button on the panel for a rapid movement of the machine out of the risk zone.

Technical specification / JMS 7000

Technical specification

Manufacturer	Jama Mining Machines, made in Sweden
Machine type	Mechanical Scaling Machine JMS 7000

Dimensions

Height, mm	2,725
Wheelbase, mm	3,700
Width, mm	2,320
Ground clearance, mm	300
Length in transport mode, mm	10,600
Turning radius, mm	3,977
Total weight, kg	20,800

Performance

Max speed horizontal, km/h	19
Max speed inclination 1:7, km/h	8.9
Max speed inclination 1:10, km/h	9.5
Fully loaded (up and down)	1:4

Chassis

Articulated mining chassis, oscillating rear axle, fixed front axle.	
Rear axle stabilisation	Option
Steering angle	±40°
Dozer blade	Hydraulic operated in the front
Stabilization	Hydraulic support legs in the front

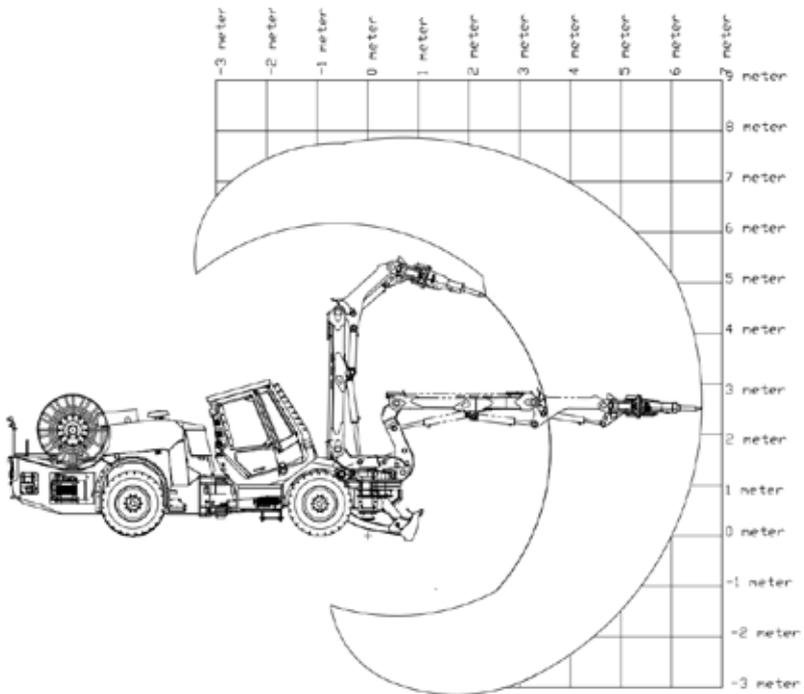
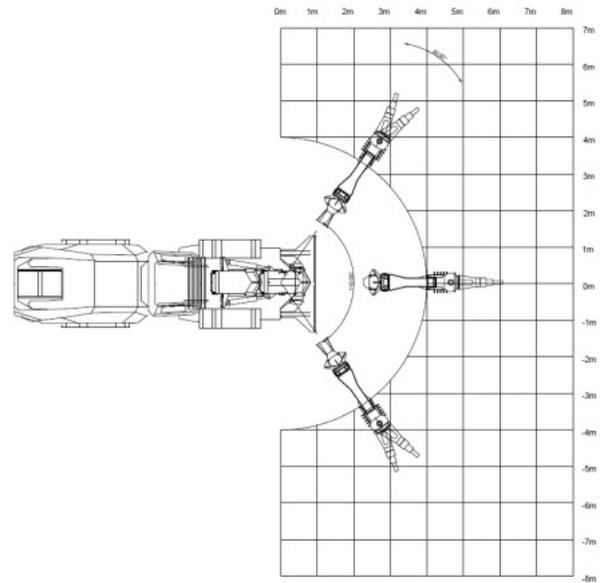
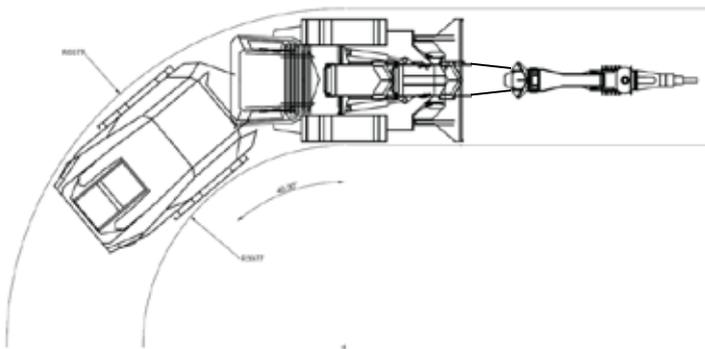
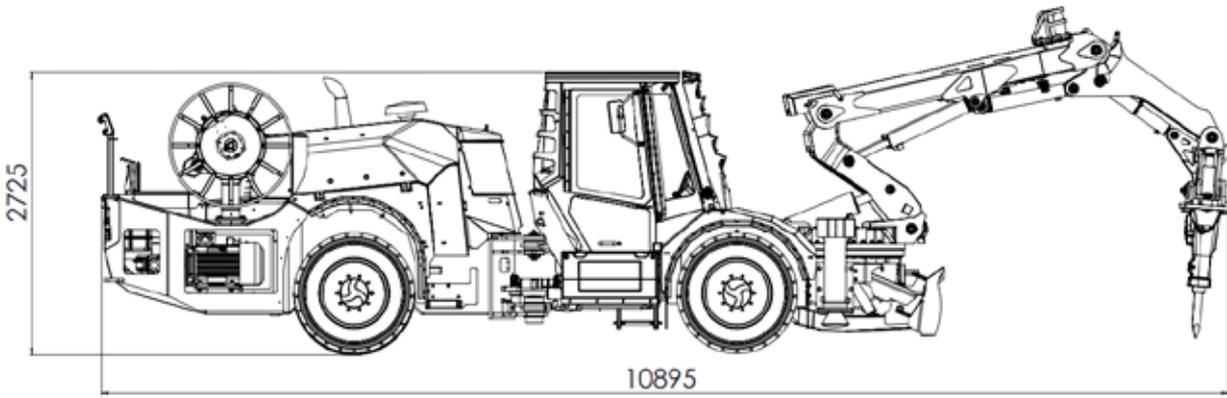
Drivetrain

Option	Perkins diesel	Perkins Diesel	ABB electrical
Cylinders/stroke, l	R4/4,4	R6/7,0	Servo motor
Power, kW/rpm	140/1,800-2,000	151/2,200	160
Max vridmoment, Nm/rpm	800/1,300	900/1,300-1,500	/0-2,800
Bränsletank, l/kWh	200	200	150
Transmission	Dana TE4, 3 gears forward, 3 gears reverse		
Axles	Dana 123, rear axle of oscillating type		
Brakes	Hydraulic operated multi-disc brake		
Parking brake	Hydraulic operated wet multi-disc brake of negative type		
Tire dimension	12.00-24"		

Cabin

Messured sound level* L _{aeq} in cabin	Below 80 dB(A). Maximum level LFAM _{ax} and peak value L _{cpeak} is less than regulations in 2006/42/EC.
Messured full body vibrations*	Less than 0,5 m/s ² under scaling and hand/arm vibrations is less than 2.5 m/s ² during scaling and transport.

*Measurement uncertainty for vibration measurements is +/- 5 % and for sound measurements +/- 0,3 dB (A).



JMS 7000

Jama continues to write mining history

- 1996** SBU 800 – the world's first mechanical scaling machine
- 2008** SBU 8000 – named the world's best mining machine
- 2014** SBU 800B – the world's best-selling scaling machine
- 2020** SBU 8000E – the world's first battery-powered scaling machine
- 2022** JMS 7000 – a new, optimized scaling machine is launched



JAMA

Specialists in heavy special machines and
equipment for the international mining industry.

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