



Manufacturer	JAMA Mining Machines AB
Machine type	Ripping Boom Unit RBU 8000B
Carrier	JAMA 8000B

DIMENSIONS

Height (mm)	3050
Wheelbase (mm)	4500
Width (mm)	2714
Ground clearance (mm)	370
Length in transport mode (mm)	14615
Turning radius (mm)	5200
Total weight (kg)	27 000

PERFORMANCE

Max speed horizontal (km/h)	25
Max speed inclination 1:7 (km/h)	10
Max inclination fully loaded (up and down)	1:4

BOOM SYSTEM

Telescopic boom with extension designed for demolition.
Expander pins throughout the boom.

Crane turn [degrees]	±55 (with hydraulic cylinders)
Maximum working height [m]	8
Extension, hydraulic [m]	2
Rotator [degrees]	360 (slide bearing with worm gear)
Breaking angle tooth [degrees]	90
Tooth attachment	C4
Breaking force [N]	80 000

WATER SYSTEM

Water tank [litre]	150
Vattenbegjutning av bom	Std

CHASSI

Articulated mining chassis with frame joint and rigid axles.

Modular design with bolted front and rear shelf.

Dozer blade	Hydraulically operated in the front (vertical movement), with feet that create distance to the ground.
Stabilization	Hydraulic support legs in front. Function "Outrigger automation" for easy and quick movement. Support legs rear (option*)

DRIVETRAIN

Diesel engine:	Deutz TCD 7,8
Cylinders/stroke [litre]	R6/ 7,75
Power [kW/rpm]	200/1800-2200
Maximum torque [Nm/rpm]	1400/1400-1600
Emission class	Tier 5 final
Transmission	ZF 6 gears forward, 3 gears reverse
Axles	ZF
Brakes	Hydraulic operated multi-disc brake.
Parking brake	Hydraulic operated wet multi-disc brake of negative type. Option* - Hand pump for release of p-brake.
Fuel tank [litre]	200
Tire dimension	1400 – 24”

CABIN

Design	Steel with two doors. Safety steel frame, certified according to FOPS ISO 3449:2005.
Electrical system	220V grounded outlet. 12V supply for com-radio and stereo.
Doors	Both doors are considered as emergency exits and are equipped with gas springs which keep the door open and enable fast evacuation of the cabin. Rubber ladder provides easy access to the cab. Left side is equipped with a shoe wash. In the rear of the cabin there are two removable caps for drainage.
Seat	Jama EVOS ¹⁾ . The seat has an undercarriage of scissor type and a three-point seat belt. The backrest, the dual lumbar support and the height adjustment are air controlled. The seat is mounted on a slew disc that can be locked in the driving positions. All controls for operation and driving can be found on the control levers or on the lever box. <i>¹⁾ Ergonomic Vehicle Operator Seat</i>
Windows	Front: 31mm armored glass BR4 Other windows: 8mm laminated glass
Suspension	Spring struts
Cab movement	Cab can be tilted 13° backwards for better vision and comfort during scaling operation.
Dashboard	All functions within comfortable reach of the Operator.
Danger mode	If there is an imminent risk of e.g. rock fall, the emergency evacuation function can be activated. Emergency evacuation is activated by a push button on the instrument panel.
Pedals	Throttle and brake pedals are placed in both directions.
Air filters	All air is filtered through a filter system.
Climate control	Air-condition with re-circulation.
Sound pressure	According to ISO6396 (LpA) < 80 dB (A)
Vibration level	According to EU Directive 2002/44/EG

HYDRAULIC SYSTEM

The system consists of load-sensing pumps with integrated sensors for pressure, levels, temperature and filters (indication for filter exchange).

Diesel hydraulic power pack:**

Hydraulic pump	Variable load sensing piston pumps
Hydraulic tank volym [litre]	300
Oil cooler	Air/oil

ELECTRICAL SYSTEM

Battery cut off switch 24 V	Operated from the cabin.
Manual Main Switch	A manual main switch on the outside of the machine.
Electrical system (24V)	24 VDC unit supplies power. Service charging during electric drive.
Battery charging during storage	Option*
Control system	15" colour monitor (touch-screen) with integrated control system of PLC type with Power link, CAN J1939 and Ethernet communication.
Sensors	Digital sensors. Analogue sensors for temperature and pressure.
Fuses	Breaking capacity of 10 kA.

LIGHTING (24V)

Headlamp high beam	4st 70W
Headlamp low beam	4st 70W
Work lights	6st 42W LED (Option – 12 pcs*)
Ladder lights	2st 28W LED
Rear lights	2st 28W LED (Option – additional 2 pcs 42W*)

FIRE EXTINGUISHING SYSTEM

Sprinkler system Dafo, (optional brands, by agreement*), and two handheld fire extinguishers (6 kg).

CENTRAL LUBRICATION

Brand "Lincoln". (Alternative brands by agreement*)

TOOLBOXES

Stainless steel boxes mounted under the footstep on either side.

MANUALS

Operator's Manual, Service Manual and Spare Parts List
1 copy + 2 digital copies.

CE MARKED

In accordance with the Machinery Directive
2006/42/EG, SS-EN-ISO19296 2019

* For complete information, please contact the manufacturer or the manufacturer's representative

** Electric drive can be excluded

We reserve the right to make changes as the product is under continuous development. Products must be used in conformity with safe practice, the manufacturers instructions, laws and regulations concerning occupational safety and other recommendations.

Rev. A

Technical description Jama RBU 8000B

JAMA