



Manufacturer	JAMA Mining Machines AB
Machine type	Scaling Boom Unit SBU 8000B
Carrier	Jama 8000B

DIMENSIONS

Height [mm]	3 050
Wheelbase [mm]	4 640
Width [mm]	2 714
Ground clearance [mm]	370
Length in transport mode [mm]	14 700
Turning radius [mm]	5 200
Total weight [kg]	30 000

PERFORMANCE

Max speed horizontal [km/h]	20
Max speed inclination 1:7 [km/h]	9
Max inclination fully loaded (up and down)	1:4

BOOM SYSTEM

The boom designed for heavy scaling system and has load suspension as standard.

All joints has expander bolts and plain bushings to manage the force from the breaker.

Hydraulic breaker	Option*, brand according to customer specification, weight max 500 kg.
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CHASSIS

Articulated mining chassis with frame joint and rigid axles. Modular design with bolted front and rear shelf.

Dozer blade	Hydraulically operated in the front.
Stabilization	Hydraulic support legs in front and rear. Lockable frame joint.

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
Tyre dimension	14.00 – 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. USB outlet.
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. <small>¹⁾ Ergonomic Vehicle Operator Seat</small>
Windows	Front: 31mm armored glass BR4 Rear and sides: 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. The breaker can be activated by a floor pedal or by the right control lever.
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

Hydraulics for the breaker	The system consists of load-sensing pumps with integrated sensors for pressure, levels, temperature and filters (indication for filter exchange). Separate hydraulic system for the breaker.
Electro-hydraulic power pack:**	
Electric motors	2x30kW , efficiency cl. IE3 acc. to IEC 60034-2-1
Voltage	1000V Option* 660V and 690V
Hydraulic pump	Variable load sensing piston pumps
Diesel hydraulic power pack:	
Hydraulic pump	Variable load sensing piston pumps
Hydraulic tanks:	
Main hydraulic tank volume [litre]	400
Hammer tank volume [litre]	200

HYDRAULIC SYSTEM (cont.)

Oil cooler Plate heat exchanger
Refilling tank 100 litre with pump

HOSE REEL

Hydraulically driven with 120m $\frac{3}{4}$ " hose.
Other capacities by agreement*

CABLE REEL

Hydraulically driven, can accommodate 180m 3x25mm²
Rock-Flex. Other alternatives by agreement*

ELECTRICAL SYSTEM

Battery cut off switch A manual main switch on the outside of the machine. 24 VDC main switch.
Electrical system (24V) 24 VDC unit supplies power. Service charging during electric drive.
Control system 15" colour monitor (touch-screen) with integrated control system of PLC type with Power link, CAN J1939 and Ethernet communication.
Transformer** 7 kVA 1000/690/660V – 400
Rated power 90kW
Separate 240V power supply Battery charging and cabin heater during storage.

LIGHTING (24V)

Headlamp high beam 4 pcs 38W LED
Headlamp low beam 4 pcs 38W LED
Work lights 6 pcs 42W LED (Option – 12 pcs*)
Ladder lights 2 pcs 28W LED
Rear lights 2 pcs 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. B

Technical description Jama SBU 8000B

JAMA