



Manufacturer JAMA Mining Machines AB
Machine type Jama SBU 8000E

DIMENSIONS

Height [mm] 3050
Wheelbase [mm] 4640
Width [mm] 2714
Ground clearance [mm] 370
Length in transport mode [mm] 15000
Turning radius [mm] 5200
Total weight [kg] 31 000

PERFORMANCE

Max speed horizontal [km/h] 20
Max speed inclination 1:7 [km/h] 6
Max inclination fully loaded
(up and down) 1:4

BOOM SYSTEM

Boom system designed for heavy scaling.
All joints have expander bolts and plain bushings to manage the force from the hammer.
Hydraulic breaker Option*, according to customer specification, weight max 500 kg.

CHASSIS

Articulated mining chassis, oscillating rear axle, fixed front axle.
Modular design with bolted front and rear shelf'.
Dozer blade Hydraulic operated in the front.
Stabilization Hydraulic support legs in the front and rear.

DRIVETRAIN

Electric motor [kW] 160
Battery [kWh] 150
Power [kW] 100
Max torque [Nm/rpm] 600
Transmission Dana 3 gears forward 3 gears reverse with lock-up on all gears
Axles ZF
Breaks Hydraulically operated multi-disc brake.
Parking brake Hydraulically operated wet multi-disc brake of negative type.
Option* - Hand pump for release of P-brake.
Tire dimension 1400 – 24"

CABIN

Design	Steel with two doors. Safety steel frame. FOPS approved.
Electric 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 entrance 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 is equipped with a scissor-type base and three-point belt. The side supports of the backrest, the double lumbar supports and the height of the chair are electrically air-controlled. Mounted on a turntable with front/rear locking and entry/exit. <i>1) Ergonomic Vehicle Operator Seat</i>
Windows	Front: 31mm armoured 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 hydraulic breaker can be activated by throttle pedal or the by one of the control levers.
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

Hydraulic pump	The system consists of load-sensing pumps with integrated sensors for pressure, levels, temperature and filters (indication for filter exchange). Variable piston pumps.
Hydraulic tank:	
Cylinder- and motor tank [litre]	600
Oil cooler	Plat heat exchanger
Refilling tank	100 l tank with pump

HOSE REEL	Hydraulically driven with 120m ¾" hose. Other capacities by agreement*
CABLE REEL	Hydraulically driven, can accommodate 180m 3x25mm ² Rock-Flex. Other alternatives by agreement*
ELECTRIC SYSTEM	
Electrical cut-off switch	Manual main switch on the outside of the machine.
Electrical system (24V)	24 VDC main switch.
Control system	2 DC/DC converters 140A/unit.
Transformer**	Control system of PLC-type with 15" colour monitor (touch-screen), Powerlink, CAN J1939, Ethernet communication.
Sensors	100 kVA 1000/400 volt.
Battery charger upon storage	Digital sensors. Analogue sensors for temperature and pressure.
	Separate 240V power supply.
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	Operators Manual and Spare Part Catalogue
	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 his representative.

**Alternative for other voltage available

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

JAMA