



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

DIMENSIONS

Height [mm]	3050
Wheelbase [mm]	4640
Width [mm]	2714
Ground clearance [mm]	370
Length in transport mode [mm]	14700 (standard boom)
Turning radius [mm]	5200
Total weight [kg]	30 000

PERFORMANCE

Max speed horizontal [km/h]	25
Max speed inclination	
1:7 [km/h]	9
1:10 [km/h]	16
Max inclination fully loaded (up and down)	1:4

BOOM SYSTEM

Boom system designed for heavy scaling.
All joints has expander bolts and plain bushings to manage the force from the hammer

Hammer	Option, brand according to customer specification, weight max 450kg.
Load suspension system	Option *

CHASSIS

Articulated mining chassis with frame joint and rigid axles
Modular design with bolted front and rear shelf's Steering angle $\pm 39^\circ$

Dozer blade	Hydraulic operated in the front
Stabilization	Hydraulic jacks legs in front and rear

DRIVETRAIN

Diesel engine	Deutz TCD 7,8
Cylinders/stroke [l]	R6/ 7,75
Power [kW/rpm]	200/1800-2200
Maximum torque [Nm/rpm]	1400/1400-1600
Emission class	Tier 4 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
Fuel tank [l]	200
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
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 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 joy-sticks or on the lever boxes. <i>1) Ergonomic Vehicle Operator Seat</i>
Windows	Front: 31mm armored glass BR4 Rear: 8mm laminated glass 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 this function is activated for example when a rock fall is imminent the boom is lowered, the jacks and dozer-blade are lifted, cable and water reels are turned on, the cab is lowered, the electric motors are stopped and the engine is turned on and the machine is reversed from the danger zone with the warning light turned on and intermittent noise from the hooter. Activation is turned off when brakes or emergency switch is activated.
Pedals	Throttle and brake pedals are placed in both directions.
Hammer can	be activated by a floor pedal or the by one of the joysticks
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).
Hydraulic for the hammer	Separate hydraulic system for the hammer.
Emergency steering	Accumulators for emergency power
Electro-hydraulic power pack: **	
Electric motors	2x30kW , efficiency cl. IE3 acc. to IEC 60034-2-1
Voltage	690/1000V
Hydraulic pump	Variable load sensing piston pumps
Diesel hydraulic power pack:	
Hydraulic pump	Variable load sensing piston pumps
Hydraulic tanks:	
Main hydraulic tank volume [l]	400
Hammer tank volume [l]	200



HYDRAULIC SYSTEM (cont.)

Oil cooler	Plate heat exchanger
Refilling tank	100 l with pump

HOSE REEL

Hydraulic driven with 120m $\frac{3}{4}$ " hose.
Other capacities see options *

CABLE REEL

Hydraulic driven, can accommodate 180m 3x35mm² cable

ELECTRIC SYSTEM

Battery cut off switch 24 V	Manoeuvred from the cabin
Master switch	On the outside of the machine
Electric system (24V)	24 VDC unit supplies power. Service charging during electric drive.
Battery charging during storage	Separate 240V power supply. Option *
Control system	15" colour monitor (touch-screen) with integrated control system of Power link, CAN J1939 and Ethernet communication.
PLC type with Transformer **	10 kVA 1000/400 volt.
Sensors	Digital sensors. Analogue sensors for temperature and pressure.
Fuses	Breaking capacity 10 kA.
EMR box	Engine control and alarm handling system via CAN J1939 bus.
TCU box	Transmission control with status and alarm handling via CAN J1939 bus.

LIGHTING (24V)

Headlamp high beam	4pcs 70W
Headlamp low beam	4pcs 70W
Work lights	6pcs 42W LED (additional lights available as option *)
Ladder lights	2pcs 28W LED
Rear lights	2pcs 28W LED (additional lights available as option *)

FIRE EXTINGUISHING SYSTEM

Sprinkler system Dafo, (optional brands, see Options *), and two 6kg handheld fire extinguishers

CENTRAL LUBRICATION

Brand "Lincoln" (alternative brands as option *)

TOOL BOXES

Stainless steel boxes mounted under the footstep on either side

SPARE WHEEL

Option *

MANUALS

Operators Manual and Spare Part Catalogue 2pcs + digital copy

TRAINING

1 day basic training for operators (additional training option *)

* For complete information about available options, 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.

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