



Manufacturer	JAMA Mining Machines
Machine type	Concrete Spray Unit CSU 8000B
Carrier	Jama 8000B

### **DIMENSIONS**

Height [mm]	3110
Wheelbase [mm]	4500
Width [mm]	3020
Ground clearance [mm]	370
Length in transport mode [mm]	16150
Turning radius [mm]	5200
Total weight [kg]	32 000

### **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**

Spraying boom designed for concrete spraying  
All joints has expander bolts and plain bushings  
Automatic extension with hydraulic cylinders,  
rotatable nozzle (horizontally and vertically) with  
variable speed oscillation

Maximum spraying height [m]	12
Spraying length [m]	0,5-1,5
Spraying height with extension [m]	6
Extension [m]	2x2,5
Boom oscillating [degrees]	180 with worm gear
Boom turn [degrees]	180 with worm gear
Nozzle rotation right/left [degrees]	360 with hydraulic actuator
Nozzle rotation up/down [degrees]	180 with hydraulic actuator

### **CONCRETE PUMP**

Capacity 16 m<sup>3</sup>/h, 24 m<sup>3</sup>/h as option\*

Shelf ground level Assembled on a shelf that can be lowered to 150mm under and is tilt able ±14 degrees to enable work in inclination

### **ACCELERATOR TANK**

Volume [ l ] 350, extra tank option\*

### **COMPRESSOR**

Concrete spraying compressor compressor as option*)	Water cooled rotary screw compressor (rotary vane)
Power [kW]	75
Air flow [m <sup>3</sup> /min]	Approximately 12-14 at 6-8bar

### **CHASSIS**

Articulated mining chassis with rigid axles  
Modular design with bolted front and rear shelf  
Steer angle ±39°

Stabilization Hydraulic jacks legs in front



## 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 <sup>1)</sup> . 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 and sides: 8mm laminated glass
Suspension	Spring struts
Cab movement	Cab can be tilted 13° backwards for better vision and comfort during operation
Dashboard	All functions within comfortable reach of the operator
Pedals	Throttle and brake pedals are placed in both directions.
Air filters	All air is filtered through a filter system
Climate control	Climate system with re-circulation
Sound pressure	According to ISO6396 (LpA) < 80 dB (A)
Vibration level in cabin	According to EU Directive 2002/44/EG

## HYDRAULIC SYSTEM

Emergency steering	The system consists of load-sensing pumps with integrated sensors for pressure, levels, temperature and filters (indication for filter exchange)
Electric-hydraulic power pack:	Accumulators for emergency power
Electric motor	37+30 kW, 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
Hydraulics for concrete pump	Separate hydraulic system for the concrete pump



## HYDRAULIC SYSTEM (cont.)

Hydraulic tanks:

Main hydraulic tank volume [ l ]	200
Concrete pump tank volume [ l ]	200
Oil cooler	Plate heat exchanger

## HOSE REEL

Hydraulic driven with 80m 1" hose. Other capacities see options \*

## CABLE REEL

Hydraulic driven, can accommodate 180m 3x70mm<sup>2</sup>

## ELECTRIC SYSTEM

Battery cut off switch 24 V	Manouvered from the cabin
Manual master switch	On the outside of the machine
Electrical system (24V)	24 VDC unit for power supply Separate 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 PLC type with Power link, CAN J1939 and Ethernet communication.
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 (yellow light, additional lights available as option *)
Ladder lights	2pcs 28W LED
Rear lights	4pcs 28W LED (yellow light, 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 + CD

## 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

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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