

MB2

Runway clearing

The most aggressive and maneuverable heavy duty snow removal chassis available today. With its various options, the MB2 is a true multi-tasking machine designed to ideally meet the needs of airports. The versatile MB2 can be equipped with various front plows, tow brooms, underbody scrapers, spreaders and de-icing equipment. The sharp steering axles work to thoroughly battle the snow and ice at airports.

Highlights

- The aggressive drivetrain includes **full time four wheel drive with a full locking center differential**, and a **lockable controlled traction differential at each axle**
- When equipped with the optional four wheel steer, has a wall to wall **turning circle of 68 feet**.
- Can be paired with either a **cradling tow broom or TTB tracking tow broom**

Your benefits

- The MB2 allows you to **clear areas efficiently** with just a **small fleet and minimal manpower**
- The high working speed allows **fast clearing without compromising on reliability**
- The electronic traction control provides **operator safety and performance** in the harshest of conditions

Performance features

Clearing process

The MB2 is the most versitile chassis available , with options for plowing, deicing, and when paired with a tow broom combines three steps into one single operation and brings your runway quickly back to blacktop. Whereas the snow plow clears the majority of the snow to the side, the brush clears the remaining snow and slush while the air blower unit generates a powerful air flow to remove any remaining moisture.







Snow plow

Clean and aggressive clearance is achieved with the MB P5000 Series airport snow plows These are designed for fast snow clearance at airports and offer outstanding performance with optional straight or flared configurations.



Sweeping unit

When paired with the optional CRDL or TTB tow broom, the hydraulically-driven brush is mounted to a supporting frame and suspended via a parallelogram lifting system, so that it rests on the surface regardless of vehicle movement and uneven ground. The brush's automatic and stepless sweeping pattern adjustment is carried out hydraulically and determined by the height adjustment of twin castors. During operation, the brush speed is adjusted automatically to suit the driving speed and shown on the control panel's display. A long brush service life is possible – thanks to auto-pattern brush adjustment system.
Optional snow shed hood and vibrator to remove accumulated snow off the broom available.

Blower unit

The blower unit of the optional CRDL or TTB tow broom is located directly behind the sweeping unit. The blower removes any remaining water and slush from the clearing area at air speeds up to 400 mph, ensuring optimum friction values and better braking action on runways. The blower is driven hydraulically by the auxiliary engine via a variable displacement pump.

Drive

The MB2 is driven by a 496hp electronic turbocharged T4F EPA emission certified diesel engine.

Motion control

State-of-the-art control technology is an important step in the safe and efficient clearing of airport operation areas. Logical and intuitive menu navigation and automatically controlled processes help to support drivers by ensuring that concentration remains focused on the clearing operation. The display indicates the operating hours engine speed, brush revolution speed and blower performance. The display also provides a comprehensive diagnostics.

Service concept

Preventive maintenance is made simple with accessible filters and fluid drains. Additionally, the optional auto-lube keep your pivot points greased and ready for the next snow event.

Gallery







Related products

MB5

Runway clearing



MB5C

Runway clearing



Technical data

Working speed	
Working speed up to	45 mph
Drive system - ground drive engine	
Motor type	Caterpillar C13B
Number of cylinders	6
Exhaust emmission	U.S. EPA Tier 4 Final
Performance	496 HP
Torque	1,671 ft-lbs
Fuel tank	150 gal
Working hours, depending on the operating conditions	12 h
Optional sprayer	
Filling volume	1,500 gal / 2,500 gal
Spraying width	50‘ / 75‘
Distribution system	Spray nozzles
Optional spreader	
Filling volume	5.9 yd^3
Spreading width (solid) approx.	50‘
Distribution system	Dual spinner
Dimensions	
Total length	36‘ 3“
Length without Snow plow	27‘ 8“
Length middle of front axle to middle of rear axle	15‘ 6“
Transport width, in parking position	8‘ 11“
Height	11‘ 11“
Dimensions plow	
Plow width	22‘ / 24‘
Plow height	50“
Cutting edge	steel / poly / rubber / carbide
Plow hitch style	hands free
Moldboard style	straight / flared
Weights	
Total weight	71,906 lbs dry weight

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