

MB3

Runway clearing

When it comes to airport snow removal, the MB3 is in a class all by itself. This versatile custom cab forward single unit chassis pushes a heavy duty, front mounted broom and finishes airport clean-up with forced air blowers between the axles, or with a front mounted plow. The MB3 allows you to clear areas efficiently with just a small fleet and minimal manpower thanks to its clearing width of up to 22 ft.

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
- Drive train assures the **most efficient use of vehicle power**
- When equipped with the optional four wheel steer, has a **wall to wall turning circle of 64 feet**.
- **Dual engine** broom and airblast unit **or single engine** plow unit
- **Electronic automatic traction control**

Your benefits

- A clearing width of up to 22 ft. 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 MB3 combines two steps into one single operation and brings your runway quickly back to concrete. The brush clears the 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

The hydraulically-driven 46 inch diameter 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. 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 MB3 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 MB3 base unit is driven by a 375 hp electronic turbocharged T4F EPA emission certified diesel engine. Chassis engine is utilized to power the ground drive system paired with Allison RDS 4000, 6 speed transmission for unmatched reliability and performance. Optional 496 hp engine available for larger width snow removal attachments.





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.

Related products

MB2

Runway clearing



MB5

Runway clearing



Technical data

Sweeping unit	
Brush length	18‘ - 24‘
Brush length cartridge brush	18‘ - 22‘
Brush length ring brush	46“
Number of cartridges / brush material / diameter	28 rows, cassette style steel, poly, and alternating Ø 46“
Ring brush / brush material / diameter	19.5“ ring, wafer style steel, poly, and alternating Ø 46“
Working speed	
Working speed up to	45 mph
Drive system - auxiliary engine	
Motor type	Caterpillar C13B
Number of cylinders	6
Exhaust emmission	U.S. EPA Tier 4 Final
Performance	375 HP
Torque	1,269 ft-lbs
Fuel tank	125 gal
Working hours, depending on the operating conditions	12 h
Drive system - auxiliary engine 2	
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	125 gal
Working hours, depending on the operating conditions	12 h
Carrier vehicle	
Carrier vehicle type	Cab over, 4x4
Dimensions	
Total length (semitrailer)	35‘ 8“
Length middle of front axle to middle of rear axle	13‘ 8“
Transport width, in parking position	9‘ 8“
Height	11‘ 11“
Dimensions broom	
Broom width	18‘ / 20‘ / 22‘
Broom diameter	46“
Core style	wafer / cassette
Broom hitch style	DIN / J-Hook
Brush material	poly / wire / alternating
Example dimensions	
Length including snow plowin working position	36‘ 1“
Height (excl. rotary beacon)	11‘ 11“
Sweeping width at 32° positioning angle	18‘
Weights	
Total weight	33,000 lbs with full tank
Axle load in transport position	54,000 lbs

Document created on
28 JUL 2026

Aebi Schmidt North America Inc. | Chilton, WI 53014, USA
www.aebi-schmidt.com

© Aebi Schmidt Group | All rights reserved. Technical data is subject to change. Illustrations are not binding. Errors and amendments excepted.

aebi schmidt group

TELEMET
Efficiency Through Simplicity™

Advice, spare parts and service

Telemet · Office in Chile

Los Canteros 8723, La Reina, Santiago 7880414, Chile

Phone +56 22 356 2735

info@telemet.com

telemet.com