

MB4

Snow blower

This versatile custom cab forward single unit chassis pushes a heavy duty, front mounted snow blower. Both engine enclosures on the MB4 feature full length, full height butterfly side covers that rotate upward, exposing the entire engine compartment for unimpeded maintenance access. The MB4 is designed for airport snow blowers and can interchange to host plows, and front mounted brooms.

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 60 feet**
- **Dual engine** snow blower unit drive train assures the **most efficient use of vehicle power**
- **Electronic automatic traction control**

Your benefits

- A clearing width of up to 102 inches allows you to **clear areas very efficiently**
- 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 Technology

The Clearing Head of the MB4 integrates advanced technology to deliver exceptional snow clearing capabilities. With a capacity to clear up to 7,500 tons of snow per hour, it is engineered to handle even the most demanding airport and runway environments. The efficient impeller system, combined with a powerful hydrostatic ribbon drive, ensures that the blower maintains high throughput while minimizing fuel consumption and wear.





Clearing head

Designed for precision and maximum efficiency, the MB4 features a 102-inch cutting width and a height of 58 inches, allowing it to clear heavy snow with ease and cast it over distances of up to 150 feet. The 59-inch diameter impeller, fed by a hydrostatic ribbon, ensures smooth and reliable operation in all snow conditions, from light powder to wet, heavy snow.

Discharge chute

Equipped with a rotating impeller housing that offers 140 degrees of rotation, this design allows precise control over snow discharge direction. This flexibility enables operators to direct snow efficiently, whether clearing the center of a runway or managing snow along its edges.



Ribbon system

Equipped with a hydrostatic drive for the ribbon, this system includes infinitely variable speed pumps and variable displacement motors, offering precise control over the speed of the ribbon. The use of a mechanical drive impeller ensures reliable operation during snow clearing. These components work together to deliver consistent power and efficient performance, adapting to varying snow conditions while minimizing the need for maintenance.

Operator‘s cabin



Designed for optimal comfort and functionality, the two-man cab offers a panoramic view and a forward-sloping windshield to enhance visibility. Four windshield wipers efficiently clear snow, ensuring the windshield remains unobstructed. Air-ride seats for both the driver and passenger feature adjustable lumbar supports, promoting comfort during long shifts. The cabin also comes equipped with side light bars, a heated windshield, a high-capacity cab heater, heated power mirrors, and power windows as standard features. An operator-friendly microprocessor CAN bus system integrates controls with an MDC (Monitor, Diagnose, Control) color screen display and a CAN joystick, allowing easy management of the chassis and snow blower.

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

North Star

Snow blower



H2000

Snow blower



Technical data

Clearing head	
Clearing width	102“ / 115“
Clearing capacity up to approx.	7,500 t/h
Ejection distance up to approx.	150‘
Rotation of discharge chute	140°
Ribbon drive	
Type of drive	hydrostatic
Displacement pump - capacity	12.2 in^3/rpm
Displacement pump - maximum pressure	5,075 PSI
Drive system	
Engine type	Caterpillar C18
Number of cylinders	6
Exhaust emission	Tier 4 Final
Fuel	Diesel
Fuel tank	250 gal
Displacement	1,104 in^3
Performance	772 HP 800 HP
max. Torque	2,585 ft-lbs
Dimensions	
Clearing head height	58“
Ribbon diameter	52“
Impeller diameter	59“
Total length	34‘ 11“
Height (without beacon)	11‘ 4“
Weights	
Weight approx. (Depending on equipment and size)	44,000 lbs

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