

MB6P

Road maintenance truck

The MB6P is a heavy-duty chassis with four- or six- wheel drive and optional all wheel steer. The powerful 450 HP class Cummins engine guarantees a smooth operation even during the harshest winter conditions. Designed for airport and highway operations, the MB6P combines efficiency, precision, and operator comfort. Engineered for year-round productivity, the design accommodates a wide range of attachments, such as snowplows, tow brooms, underbody scrapers, spreaders, dump bodies, liquid de-icing and more.

Highlights

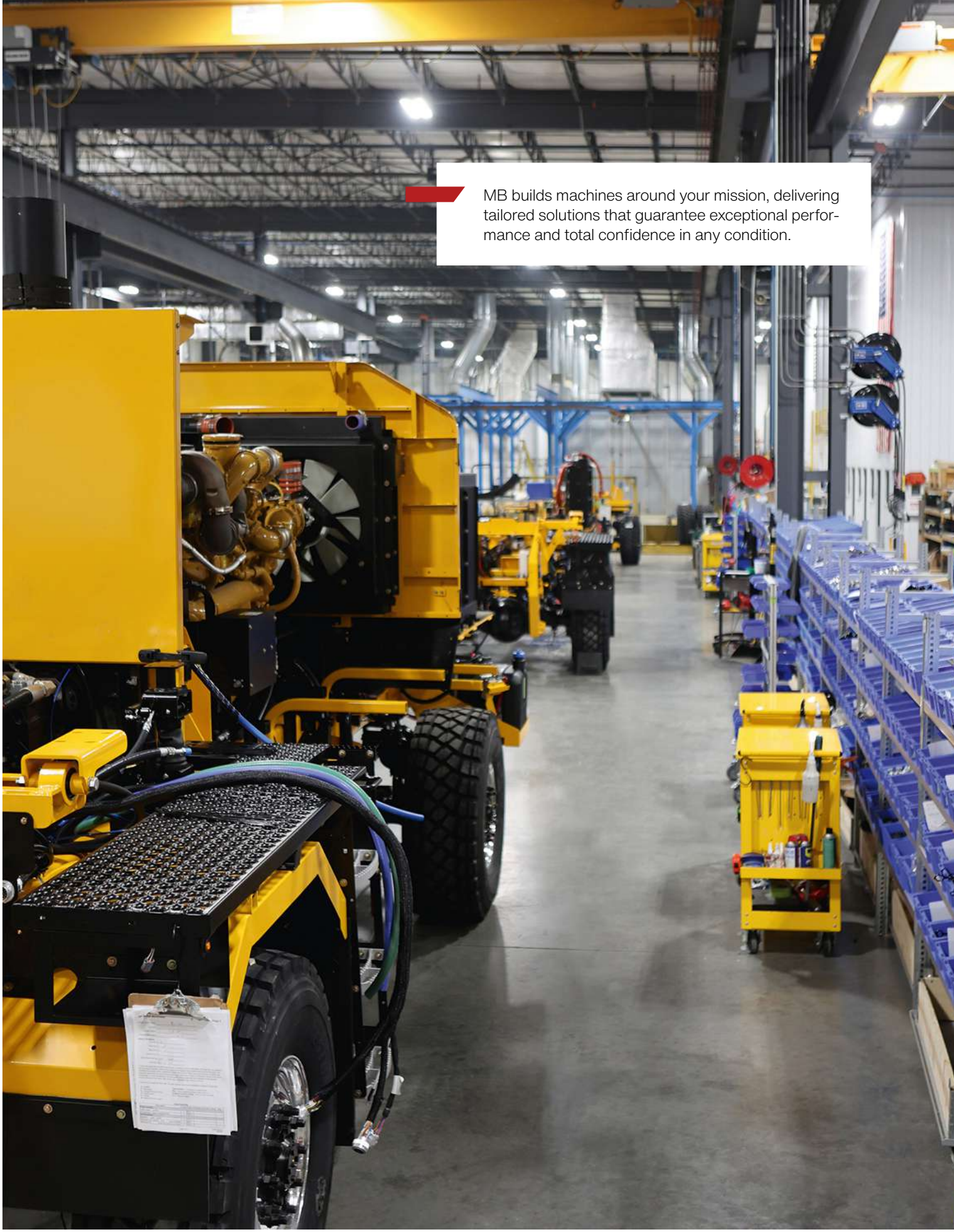
- **All-wheel steering** as an option for **4x4 or 6x6**
- Speeds up to **45 mph for airport applications** and **54 mph for on-highway operations**
- MB **29,000 pound front drive** and **rear steer axle with locking differential** for airport applications
- Upgraded **aluminum cabin** with more operator space and **ergonomic operator interface**

Your benefits

- **Powerful engine** to attack the harshest winter conditions
- **Purpose-built** heavy robust design **for extreme duty**
- Versatile use: **combined with many types of attachable** and mountable equipment
- **Operator friendly cabin** with **intuitive control systems** such as color screen display for chassis and equipment



Engineered for relentless conditions, MB machines set the standard for reliable performance and safe and efficient operations on the runway.



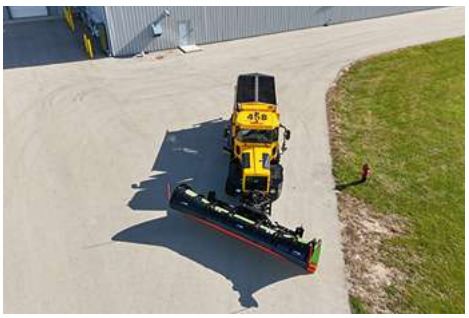
MB builds machines around your mission, delivering tailored solutions that guarantee exceptional performance and total confidence in any condition.

Performance features

Chassis

The MB6P is built on a heavy-duty airport chassis engineered for extreme-duty, year-round use with a wide range of attachments. For airport applications, the front axle is rated at 29K with a full-floating torsion flow drive and steer type with a single reduction gear design, while municipal applications feature a 25K full-floating front axle with the same reliable torsion flow drive and steer type. Braking is fully air actuated with drum and shoe S-cam brakes on both front and rear axles, complemented by electronic anti-lock ABS and traction control for reliable safety. The frame is constructed from heat-treated, single-formed channel steel with a minimum yield strength of 110,000 psi (758 MPa), secured with grade 8 bolts and locknuts for exceptional durability and structural integrity.







Wheelbase

Four- or six- wheel drive configurations are available, with optional all-wheel steering for improved maneuverability. The 4x4 rear axle is full-floating, torsion flow drive and steer type, rated 23K–30K, with a minimum wheelbase of 170 inches. The 6x6 tandem rear axle is rated 46K–52K, full-floating, torsion flow drive and steer type, with a minimum wheelbase of 187 inches. Optional all-wheel steering is offered for 27K, 46K, and 52K rear axles for tighter turning and better control.
Tires include 445/65 R22.5 super singles for front and rear or 315/80 R22.5 duals for the rear. Power is delivered through a six-speed Allison RDS 4000 transmission with a Marmon-Harrington MVG 1650 LD two-speed transfer case and front axle disconnect. Gear ratios are 0.87:1 high and 1.54:1 low, providing precise operation across varying conditions.



Engine and Driving

The MB6P is powered by a robust Cummins engine, delivering 450 HP at 1,800 rpm for reliable performance in demanding applications. Electrical power is supplied by a 200 A, 12-volt alternator with a master disconnect at the battery, supported by a total battery capacity of 3,000 CCA. Optional upgrades include a four-battery configuration and a 270 A alternator, providing additional electrical capacity for demanding operations.
The machine reaches speeds of up to **45 mph for airport operations** and **54 mph on highways**, providing efficient transit between job sites. For airport-specific applications, the MB 29,000-pound front drive and rear steer axle with locking differential ensures superior traction and precise handling under challenging conditions.





Cockpit

The upgraded aluminum cabin offers increased space and comfort, creating an ergonomic workspace for the operator. Both driver and passenger are seated on H.O. Bostrom Sierra air ride seats with 3-point seat belts, and the cabin is configured for left-hand drive. Quad electric windshield wipers with wet arms and a fresh-air heater and defroster ensure clear visibility and climate control in all conditions.
A color screen display provides real-time monitoring of chassis and equipment, complemented by a multiplex gauge cluster showing fuel level, coolant temperature, dual air system pressures, voltmeter, speedometer, tachometer, and engine hour meter. Essential equipment includes a heated AD-IS air dryer, backup alarm, 100-gallon fuel tank, and heated fuel/water separator.
The lighting is comprehensive and versatile, with two fender-mounted headlights with integral turn signals, dual LED stop, tail, turn, and clearance lights, two LED cab dome lights, and a cab-mounted lightbar ready for custom lighting installations.





Attachments

For the MB6P is a wide variety of attachments available for both winter and summer use:

- **Snowplows** such as rollover, straight, flare and wing plows as well as underbody scrapers, from MB or Monroe
- **Bodies** such as all-purpose, spreader, deicer, and dump configurations from Monroe and Swenson
- **Tow brooms** from MB
- **Ballast** from MB

Airport hydraulics packages are installed by MB and **Municipal packages** by Monroe and Swenson.





Optional Equipment

A wide range of optional equipment is available to extend the versatility, comfort, and performance of the MB6P:

- **All-Wheel Steering** – Available for 27K, 46K, and 52K rear axles
- **Cab Comfort** – Integral air conditioning and heated windshield
- **Engine Options** – Engine brake and engine block heater
- **Fuel Capacity** – 120 gallon tanks mounted on the left side of the chassis
- **Towing Equipment** – Two rear-mounted tow hooks, and pintle hook

MB's Mechanical and Technical Support

MB has the largest and most experienced field service team in the industry. Our technicians are strategically located across the U.S., ready to provide 24/7 support backed by an extensive parts inventory.



Our experienced service teams act quickly to keep your equipment performing reliably whenever it's needed — we understand your challenges and stand with you as a committed partner.

Technical data

	MB6P Airport	MB6P Municipal
Truck specifications		
Working speed	45 mph	54 mph
Engine power from	450 HP	450 HP
Traction method	4x4 / 6x6	4x4 / 6x6
Steering	front wheel steering / optional all wheel steering	front wheel steering / optional all wheel steering
Performance	336 kW (450 HP)	336 kW (450 HP)
Displacement	720 in³ @ 2,000 1/min	720 in³ @ 2,000 1/min
Torque	1,550 ft-lbs @ 1,000 1/min	1,550 ft-lbs @ 1,000 1/min
Exhaust emisssions	EPA 2026 On-Highway Diesel Emissions Compli-ant with DPF & SCR	EPA 2026 On-Highway Diesel Emissions Compli-ant with DPF & SCR
Exhaust system	DPF and SCR	DPF and SCR
Mecanical		
Chassis	Heat treated, single formed channel, grade 8 bolts and locknuts	Heat treated, single formed channel, grade 8 bolts and locknuts
Front axle	29,000 lbs	25,000 lbs
Brakes	Fully air actuated / drum and shoe type / S-cam front and rear / electronic anti-lock with ABS and traction control	Fully air actuated / drum and shoe type / S-cam front and rear / electronic anti-lock with ABS and traction control
Transmission	Allison RDS 4,000, 6 speed	Allison RDS 4,000, 6 speed
Tires		
Front	445/65R22.5	445/65R22.5
Rear (super single)	445/65R22.5	445/65R22.5
Rear (dual rear) optional	315/80R22.5	315/80R22.5
Electrical System		
Electrical system	Alternator 200A	Alternator 200A
Battery	QTY 3 / 12V / 1,000 CCA	QTY 3 / 12V / 1,000 CCA
Lighting	12 V lighting and starting / Master Disconnect at battery / Two fender mounted headlights with integral turn signals / Dual LED stop, tail, turn and clearance lights / Two LED cab dome lights / Cab mounted lightbar for custom lighting	12 V lighting and starting / Master Disconnect at battery / Two fender mounted headlights with integral turn signals / Dual LED stop, tail, turn and clearance lights / Two LED cab dome lights / Cab mounted lightbar for custom lighting
Operators cabin		
Cabin type	2 – door / 2 – seats	2 – door / 2 – seats
Glass	Tinted, safety glass	Tinted, safety glass
Climate control	Pressurizer Heater Defroster Air conditioning	Pressurizer Heater Defroster Air conditioning
Fan	Multi speed, Belt Driven Air Clutch	Multi speed, Belt Driven Air Clutch
Seat	Damped spring suspension / adjustable	Damped spring suspension / adjustable
Windshield wipers and washers	standard	standard
Attachments		
Attachments	Rollover Plow / Flare Plow / Straight Plow / Wing Plow / Underbody Scraper / All Purpose Body / Dump body / Spreader / Deicer/Sprayer / Ballast / Tow Broom / Airport hydraulics package MB / Municipal package Monroe / Municipal package Swenson	Rollover Plow / Flare Plow / Straight Plow / Wing Plow / Underbody Scraper / All Purpose Body / Dump body / Spreader / Deicer/Sprayer / Ballast / Tow Broom / Airport hydraulics package MB / Municipal package Monroe / Municipal package Swenson
Dimesions		
Height	11‘ 8“	11‘ 8“

Document created on
11 JUL 2026

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