



## MB5: Mid-Mount Broom Compact Multi-Tasking Snow Removal Vehicle



Reference Only. Shown with optional 24 Ft flared plow & 22 Ft broom

### Chassis with four wheel/power divider 4 x 4 drive

- Single frame construction allows fast and safe turns
- Operating speeds up to 45 MPH
- Butterfly type hood enclosure for right side of chassis engine
- Butterfly type hood enclosure for both sides of auxiliary engine covers catwalks
- All three hoods open upward to allow full maintenance and repair access to engine and accessories
- All three hoods open with power assist
- 375 HP, electronic turbocharged diesel engine, T4F EPA emission certified
- Allison RDS 4000, 6 speed transmission
- M-B Up Box and Down Box route drive shaft over broom head
- M-B 29,000-pound front drive/steer axle and M-B 27,000-pound rear drive/steer axle
- Tapered spring suspension for smoother ride and increased driver control
- ABS air brake control system (4-channel) with automatic traction control
- Dual 75 gallon fuel tanks for drive engine for up to 12 hours of operation
- 445/65R22.5 LR L traction tread front and rear tires
- Includes battery disconnect switch and centrally located fluid drain lines
- Integrated microprocessor CAN bus controls, electric over hydraulic, for chassis and attachments
- Electric auxiliary motor with hydraulic pump for service and back-up for all hydraulic control circuits.
- M-B two-man air ride cab
  - Panoramic view. All flat glass for easy and local replacement. Forward slope windshield
  - Four windshield wipers with three motor system for reduced linkage issues and provide better snow removal from windshield
  - Air-ride driver and passenger seats with adjustable lumbar supports
  - Many standard features such as side light bars, heated windshield, high capacity cab heater, heated power mirrors and power windows
- Operator friendly, cab integrated microprocessor CAN bus controls with MDC (Monitor, Diagnose, Control) color screen display and CAN joystick for chassis, plow and broom

Consult M-B prior to order to confirm size of broom, plow and other options.



**M-B Companies, Inc. / Airport Maintenance Products**

1200 Park Street / Chilton, Wisconsin 53014

1-800-558-5800 / Fax: 920-849-2629 / [sales@m-bco.com](mailto:sales@m-bco.com) / [www.m-bco.com](http://www.m-bco.com)

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# Airport Maintenance Products

**P5020-S-D Airport Reversible Plow:** 20-foot plow length, Straight, 50-inch plow height, DIN flat face hitch, steel cutting edge, two heavy duty single casters reversible left and right up to 32 degrees.

## **Snow Control Broom Vertical Lift Head**

- 46" diameter @ 18-Ft broom length
- 375 HP, electronic turbocharged diesel engine, T4F EPA emission certified
  - 496 rpm broom with 3320 ft-lbs of available torque at the broom shaft at 5075 psi maximum working pressure
  - Dual impeller forced air blower behind brush.
  - DIN type hitch for positive broom-to-chassis connection.
  - Vertically acting caster struts lift broom head perpendicular to ground for consistent deflector angle as broom wears
  - Greater snow discharge control for improved visibility
  - Extended deflector to control snow coming off the brush
  - Integral broom hood shaker to remove accumulated snow off the broom hood
  - Covered hydraulic lines on back of broom head
- Operator controls in cab, microprocessor CAN bus controls with MDC (Monitor, Diagnose, Control) color screen display. Integrated controls using CAN joystick.
- Free floating, shock absorbing, active weight transfer broom head hitch for superior broom pattern control
- Automatic broom pattern adjustment included
- All poly wafer type bristles, with spacers

## **Chassis Power Package Option:**

- 500 HP, electronic turbocharged diesel engine, T4F EPA emission certified in place of 375 HP T4F engine

## **Chassis Options:**

- Engine oil pan heater, pad type
- Ether start, chassis engine, KBI Dieselmatic type
- Engine block heater, 1500 watt, immersion type
- Battery trickle charger, 1.5 amp
- Battery charger, 20 amp
- Battery heater, pad type
- Remote battery jump start lugs
- Remote air fill port, left side
- Hydraulic oil tank heater, pad type
- Fuel heater, immersion tank type
- Coolant filter
- Rear bumper chevron striping
- 8 inch reflective stripe
- Numbers and lettering on unit
- Rustproofing: under floor, fenders, battery box, bottom half of fuel tanks
- Rear mounted pintle hook
- Spare chassis tire and wheel



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## Cab Options:

- Air conditioning
- Deluge System (Requires side door wipers)
- Side door window wipers
- Heated option for side door window wipers
- Heated option for windshield wipers
- Radio, AM/FM with weather band and CD player
- Rear view color camera system (Requires rear facing flood lights)
- Golight Stryker remote spot light on cab, (1)
- Halogen lights on cab light bar, (2)
- HID lights on cab light bar, flood, (2)
- HID lights on cab light bar, trapezoid, (2)
- HID lights on cab light bar, spot, (2)
- LED lights on cab light bar, flood, (2)
- LED lights on cab light bar, trapezoid, (2)
- LED lights on cab light bar, spot, (2)
- Rear facing halogen flood lights
- Amber snow plow lights on cab light bar, (2)
- Fire extinguisher, 2A:10BC, 5 lb. with mounting bracket in cab
- Fire extinguisher, 10A:40BC, 10 lb. with mounting bracket in cab

## Broom Head Configuration Options:

- 20 and 22-foot broom lengths

## Broom Power Package Option:

- 500 HP, electronic turbocharged diesel engine, T4F EPA emission certified, 500 rpm broom with 4828 ft-lbs of available torque at the broom shaft at 5075 psi, Dual air blower assembly

## Engine Options:

- Broom engine oil pan heater, pad type
- Ether start, broom engine, KBI Dieselmatic type
- Broom engine block heater, 1500watt, immersion type
- Hydraulic oil tank heater, pad type
- Fuel heater, immersion tank type
- Coolant filter

## Broom General Options:

- Ground speed control (Required: automatic brush pattern adjustment and broom speed tachometer)
- Broom speed tachometer
- Broom hydrostatic pressure gauge
- Auto stripper bar adjustment system (Required: automatic brush pattern adjustment)
- Poly/wire alternating wafers in place of all poly wafers
- All wire wafers in place of all poly wafers, 10 pound or 13 pound





**Broom Spare Parts Options:**

- Set of broom cores
- Set of four broom carts, non-adjustable
- Set of two end plate jacks for core change
- Caster tire and wheel, nitrogen filled
- Caster tire, wheel, hub, bearings, axle, nuts, nitrogen filled
- Caster tire and wheel, foam filled
- Caster tire, wheel, hub, bearings, axle, nuts, foam filled





## P5000 Airport Reversible Plow



24-foot plow shown with option flared end, optional poly edge



Plow with option flared end, optional poly edge



Standard straight plow, optional poly edge



Standard straight plow, optional poly edge

- DIN hitch standard.
  - Plow side hitch portion included. Chassis side hitch not included
- Applicable to all M-B chassis
- Retrofittable to existing chassis / plow hitches. Consult M-B for proper chassis / plow size compatibility
- Fully reversible angle left and right up to 32 degrees
- 50 inch moldboard height
  - 65, 75, or 85 degree adjustable moldboard angle
  - High visibility green polyethylene lined moldboard
- Straight moldboard blade
- 14-foot length
- Lift, and swing uses chassis hydraulic system
  - Requires two auxiliary hydraulic circuits on chassis
  - Required: Integral float in chassis hydraulics to allow plow to follow pavement independently
- Moldboard oscillation to follow angled (sway) pavement independent of chassis
- Two heavy duty single casters. Single casters minimize shimmy and vibration, increase tire life
- Front mounted rubber deflector to reduce overspray for optimum operator visibility
- Consult M-B prior to order to confirm size of plow and other options.



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## Reversible Plow Options:

- Flared moldboard blade in place of straight moldboard blade
- Plow widths of 16, 18, 20, 22, and 24 foot
- Plow trip moldboard
- Hands free hitch with DIN chassis hitch
- Husting hitch
- J-hook hitch
- Pin-on hitch
- Poly, Carbide, Rubber and Tungsten carbide inserted rubber cutting edge in place of steel cutting edge available in each length of plow.

## Reversible Plow Spare Parts Options:

- Caster tire and wheel, nitrogen filled
- Caster tire, wheel, hub, bearings, axle and nuts, nitrogen filled
- Caster tire and wheel, foam filled
- Caster tire, wheel, hub, bearings, axle and nuts, foam filled
- Poly, Carbide, Rubber and Tungsten carbide inserted rubber cutting edges available in each length of plow.





## 4600 Vertical Lift Airport Broom Head



Reference Only: Vertical lift caster struts



Reference Only: Heavy Duty Extendable Snow Deflector



Reference Only, Shown with deflector low

### Snow Control Broom Head, Vertical Lift

- Standard broom head, MB5
- Compatible with MB3, MB4.
- Compatible with various other chassis with appropriate ratings and power. Consult M-B for application approval
- 46" diameter @ 16-foot broom length
- Same features as Pivot Lift broom head with the following upgrades:
  - Vertically acting caster struts lift broom head perpendicular to ground for consistent deflector angle as broom wears
  - Greater snow discharge control for improved visibility
  - Extended deflector to control snow coming off the brush
  - Integral broom hood shaker to remove accumulated snow off the broom hood
  - Covered hydraulic lines on back of broom head
- DIN type hitch for positive broom-to-chassis connection.
- All poly wafer type bristles, with spacers

Consult M-B prior to order to confirm size of broom and other options.



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## **Broom Head Configuration Options:**

- 18, 20 and 22-foot broom lengths

## **Broom General Options:**

- Broom head marker lights
- Ground speed control (Required: automatic brush pattern adjustment and broom speed tachometer)
- Broom speed tachometer
- Automatic brush pattern adjustment
- Broom hydrostatic pressure gauge
- Auto stripper bar adjustment system (Required: automatic brush pattern adjustment)
- Integrated controls with plow using CAN joystick.
- Poly/wire alternating wafers in place of all poly wafers
- All wire (10 pound or 13 pound) wafers in place of all poly wafers

## **Broom Spare Parts Options:**

- Set of broom cores
- Set of four broom carts, non-adjustable
- Set of two end plate jacks for core change
- Caster tire and wheel, nitrogen filled
- Caster tire, wheel, hub, bearings, axle, nuts, nitrogen filled
- Caster tire and wheel, foam filled
- Caster tire, wheel, hub, bearings, axle, nuts, foam filled
- All Poly, all wire or Poly/Wire alternating wafer kits

