



# Airport Snow Removal Products

## MB1: Heavy Duty Four Wheel Drive Chassis



Shown with optional reversible plow, underbody scraper and dump body

- M-B Conventional chassis conversion to full time four wheel drive 4X4 or 6X6 with speeds up to 45 mph
- Multiple chassis available as desired. Must have adequate ratings depending on configuration, such as:
  - 23,000 pounds rear axle. Optional 26,000 pound rating and tandem configurations
  - 475 HP, electronic turbocharged diesel engine,
  - Allison 4000 RDS, 6 speed transmission
  - 120 gallon fuel tank for up to 12 hours of operation
  - ABS air brake control system (4-channel) with automatic traction control
- Designed for airport plows, front brooms, tow brooms, underbody scrapers, dump bodies, spreaders, de-icing and other attachments as desired
- Heavy duty front axle to handle loads from large airport plows
- M-B “Torque Flow” transfer case featuring the Eaton Tru-Trac differential
  - Single speed producing a wide torque / speed range.
    - Low speed torque yet speeds up to 40 MPH. No need for two speed transfer case.
  - Automatically and constantly proportions torque delivery between front and rear axles
    - Puts power (torque) where it is required
  - Torque bias can range between 25% front | 75% rear to 75% front | 25% rear in infinite steps as needed.
  - In slippery conditions, the transfer case continuously directs torque to the axle which has the best traction without locking and unlocking like other transfer case designs. This gives better traction on slippery pavement which provides improved safety and allows for reduced ballast weights which lower costs and reduce fuel consumption.
  - Uses helical gears for positive and smooth torque transmission. No friction devices used such as ramps or balls. No clunking while turning
- M-B 27,000 pound front driving axle with limited slip differential
  - Higher rating than other factory conversions
  - Optional 29,000 pound rating
- 445/65R22.5 LR L traction tread front and rear tires
- Optional airport plows up to 24 foot. Multiple plow and hitch configurations available
- Optional airport front mounted or tow brooms up to 22 foot broom lengths with multiple power packages
- Optional dump body, material spreader, and / or liquid dispersal systems and other attachments as desired
- Optional underbody scraper, 2 or 3 function



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In the interest of continuous product improvement, M-B Reserves the right to change specifications without notice.