



MB3

Front Mount Airport Broom and Chassis

When it comes to airport snow removal, the MB3 is in a class all by itself. The MB3 is a versatile, custom cab forward airport chassis designed for front mounted brooms, front mounted plows, underbody scrapers, de-icing systems and other attachments.

Features & Benefits

- Sharp axle cramp angle for precision and tight maneuverability
- Butterfly hood enclosures, for auxiliary and chassis engines, conveniently cover maintenance catwalks
- Hood rotates easily with hand power assist for maintenance and repair
- Automatically and constantly proportions torque delivery between front and rear axles
- Tapered spring suspension for a smooth ride and increased driver control
- Panoramic windshield with flat glass for easy replacement
- Air-ride seats with adjustable lumbar supports provide extra comfort
- Heated windshield, high capacity cab heater, heated power mirrors increase productivity during frigid winter events
- Operator-friendly, in-cab color screen display and joystick controls promote operator safety

	MB3
Chassis	Four wheel, 4x4 drive
Wheel Base	164 in
Broom Head	46 in diameter @ 18 ft broom length
Engine	375 HP, electronic turbocharged, diesel, T4F EPA / stage 5 emission certified, ether start, heated fuel water separator
Transmission	Allison RDS 4000, 6-speed
Front Axle	MB 29,000 lbs
Rear Axle	Dana 23,000 lbs
Brakes	ABS air brake (4-Channel), automatic traction control
Fuel Tank	Dual 125 gal tanks/12 hrs Operation
Tires	445/65R22.5 LR L traction tread
Controls	Integrated microprocessor CAN bus controls, electric over hydraulic
Wiper System	4 wipers, 3-motor system
Torque	MB torque flow single speed transfer case, low speed torque, speed (up to) 45 mph

Chassis Power Package Options:

- 496 HP, electronic turbocharged diesel engine. T4F EPA / stage 5 emission certified engine in place of 375 HP

Chassis Options:

- Four-wheel steer with 27,000 lb rear drive/steer axle
- Engine oil pan heater, pad type
- Engine block heater, 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
- Hydraulic oil tank heater, pad type
- Fuel heater, pad tank type
- Coolant filter
- Rear bumper chevron striping
- 8 in reflective stripe
- Numbers and lettering on unit
- Rustproofing: under floor, fenders, battery box
- Rear mounted pintle hook
- Spare chassis tire and wheel

Cab Options:

- Air conditioning (not available with Dual Core Heater)
- Deluge System (Required: side door wipers)
- Side door window wipers
- Heated option for side door window and windshield wipers
- Radio, AM/FM with weather band and CD player
- Rear view camera system, color
- Go-light Stryker remote spot light on cab, (1)
- 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 LED flood lights
- Amber snow plow lights on cab light bar, (2)
- Fire extinguisher, 2A:10BC, 5 lb with mounting bracket in cab

4600 Pivot Lift Airport Broom Head:

- DIN type hitch for positive broom-to-chassis connection
- 46 in diameter @ 16 ft broom length
- Hydrostatic drive for broom head
- 375 HP, T4F EPA / stage 5 broom engine, up to 500 rpm broom speed with up to 3,320 ft lbs available torque
- 23,000 cfm @ 410 mph dual impeller air blast system, mounted under catwalks, one on each side
- Free floating, shock absorbing, weight transfer broom head hitch for improved tractive effort, braking, and steerability
- Broom oscillation of 8 degrees (+4, -4) permitting broom head tilt independent of truck to compensate for surface variations
- Power transmitted to the broom core via gearboxes utilizing keyed tapered hubs to prevent any looseness in the connection
- Molded urethane drive cogs for torque transmission
- Hardened steel pilot plates and core sprockets to support the radial loads
- Utilizes integrated controls in chassis for broom and forced air blowers
- Reversible left and right up to 35 degrees
- Four single tire caster assemblies
- Greater snow discharge control for improved visibility
- Extended deflector to control snow coming off the brush
- All poly wafer type bristles, with spacers

Broom Power Package Options:

- 496 HP, electronic turbocharged diesel engine, T4F EPA / stage 5 emission certified, 500 rpm broom with 4,828 ft lbs of available torque at the broom shaft at 5075 psi in place of 375 hp T4F EPA / Stage 5 engine

Broom Head Configuration Options:

- 18, 20 and 22 ft broom lengths
- Vertical lift broom head in place of pivot lift head

Broom Engine Options:

- Broom engine oil pan heater
- Broom engine block heater, immersion type
- Hydraulic tank heater, pad type
- Coolant filter

Broom General Options:

- Broom head marker lights
- Ground speed control (Required: automatic brush pattern adjustment and broom speed tachometer)
- Automatic brush pattern adjustment
- Broom speed tachometer
- Broom hydrostatic pressure gauge
- Auto stripper bar adjustment system
- Snow shed hood
- Vibrator
- 13 lb Poly/wire alternating wafers in place of all poly wafers

