



# Airport Snow Removal Products

## Model 4600-TOWV Tow Behind Runway Broom, 300 HP



- 46" diameter. 14, 16, 18 and 20 foot broom lengths
- **501 rpm broom with 2656 ft-lbs of available torque at 5075 psi maximum working pressure**
- Single impeller forced air blower. 17,300 CFM @ 315 MPH
- Hydrostatic drive, infinitely variable speed pumps and fixed displacement motors for broom head and blower
- Caterpillar C7, 300HP, electronic turbocharged diesel engine, 7.2 liter. Meets Tier 3, Stage IIIA emission standards
- 100 gallon fuel tank for 12 hours of operation
- Dual wheel axle: 15,000 pound capacity for electrical brakes. Optional 18,000 pound with air brake system.
- True free floating weight transfer broom head hitch for improved tractive effort, braking, steerability and overall handling of the broom chassis
- Dual swing arms with four pivot points which ensure the weight and location of the broom head remains approximately on the carrier vehicle center line regardless of the position of the broom head
- Broom oscillation of 8 degrees (+4, -4) permitting broom head tilt independent of chassis to compensate for surface variations to minimize brush pattern variation during operation.
- Power transmitted to the broom core via gearboxes utilizing keyed tapered hubs to prevent any looseness in the connection for vibration concerns. Molded urethane drive cogs for torque transmission. Hardened steel pilot plates and core sprockets to support the radial loads
- User friendly MDC controls in cab of chassis. Optional MDC controls in broom engine enclosure
  - Microprocessor CAN (Controller Area Network) serial bus system with color screen display
  - Flexible and versatile with ability to Monitor, Diagnose (Diagnostics), and Control
- Entire broom head vibration analyzed as final QA with report on vibration spectra (FFT plot).
- Portable fully functional operator's control box. Optional integrated controls with plow
- Optional Fifth Wheel or Front Nose Wheel hitch to chassis
- Optional 18,000 pound steering axle controlled by broom to chassis connection. Closed loop hydraulic controlled steering system with automatic drift control and provisions for centering and disengaging the axle steering system by the operator.



**M-B Companies, Inc. / Airport Snow Removal Products**

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

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