



Airport Snow Removal Products

Model 4600-LDR Loader Mounted Runway Broom, 300 HP



- 46" diameter. 14, 16 and 18' foot broom lengths
- **501 rpm broom with 2656 ft-lbs of available torque at 5075 psi maximum working pressure**
- Dual impeller forced air blowers, 12,400 CFM @ 318 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 requirements
- 75 gallon fuel tank for 7-10 hours of operation
- Welded construction framework
- True free floating broom head hitch for improved pattern control
- 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 loader 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 loader. 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)
- Broom package is self sufficient in that no power or controls are required from the loader
- Portable fully functional operator's control box.
- Minimum loader with a bucket capacity of 5 cubic yards and 200 HP engine



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.