



Airport Snow Removal Products

Model 3600-TRT

Bidirectional Tractor Mounted Runway Broom, 540 PTO



- Integrally mounted to a tractor having a recommended minimum 90HP or larger PTO drive
 - Such as a New Holland TV145 or TV6070 bidirectional. Use cab side for broom.
- 36" diameter @ 12', 14', and 16' lengths
- **347 rpm broom with 1655 ft-lbs of available torque at 5075 psi maximum working pressure**
 - Five times the available power than a broom powered by tractor hydraulics
- True free floating broom head hitch allowing broom to follow casters, not the tractor, to minimize brush pattern variation during operation.
- Hydrostatic broom drive utilizing the tractor's 540 RPM PTO connected to a speed increasing gear box driving a Sauer – Danfoss 90 series pump with variable speed control.
- Power transmitted to the broom core via fixed displacement "Low Speed - High Torque" motors connected to the broom core 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.
- Includes pump support, hydraulic reservoir and hydraulic oil cooler
- Requires three available hydraulic circuits on the tractor to control lift / lower, angle left / right, deflector up / down.
- Broom oscillation of 10 degrees (+5, -5) permitting broom head tilt independent of tractor to compensate for surface variations to minimize brush pattern variation during operation.
- Entire broom head vibration analyzed as final "Quality Check" with report on vibration spectra (FFT plot)
- Optional air blower package available:
 - Mounted on engine side of tractor. Requires three-point hitch on engine side
 - 7,483 cfm at 220 mph
 - Requires 1,000 rpm PTO on engine side
 - Deflectors at the blower nozzle ends direct the flow to one side or the other. Both nozzles blow in same direction at any given time. Deflectors powered by tractor auxiliary hydraulic controls
 - All blower operations controlled from within the tractor cab
 - Castors keep nozzles at constant distance from ground. Three point hitch can raise unit for transport.



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