



Vammass PSB-5500 PLOW-SWEEPER-BLOWER



30 years of innovation make the Vammass PSB 5500 the industry standard for high-speed, multi-tasking airport snow removal.





High-Speed, Multi-Function Snow Removal

The VAMMAS PSB 5500 Plow-Sweeper-Blower is built for high-speed airfield snow removal, combining plowing, sweeping, and air-blasting into one efficient system.

Powered by dual engines, the PSB 5500 operates at up to 40 mph, ensuring rapid clearing with precision steering, a 46-inch broom, and a high-volume air blower.

APPLICATIONS

Runway Maintenance: Clears snow and debris quickly to maintain safe operations.

Taxiway and Apron Clearing: Ensures aircraft movement areas remain operational.

High-Speed Snow Removal: Operates at up to 40 mph for rapid clearing.

Foreign Object Debris (FOD) Control: Uses an air blower to remove loose debris.

“Efficient Plowing, Sweeping, and Blowing in One Pass”

FEATURES

Dual-Engine Power: Two 469 HP engines for efficient performance.

Articulated Steering: Precision control with rear steering that follows the front.

High-Speed Operation: Works at up to 40 mph for fast snow removal.

Hydraulic Broom: 46-inch broom with adjustable speed up to 710 RPM.

Powerful Air Blower: 250 mph airflow clears snow and debris efficiently.

Industry Only Air-Ride Suspension: Providing the cleanest broom surface in a single pass.

Plow-Sweeper-Blower for high-speed clearing.

Drive Engine

Volvo TAD 1373VE: 469 HP (345 kW) @ 1900 RPM
Emissions Standard: Meets US Tier 4f / EU Stage IV (No regen required)
Fuel Capacity: 306 gallons (1,160 liters) across two connected tanks

Auxillary Engine

Volvo TAD 1373VE: 469 HP (345 kW) @ 1900 RPM
Powers: Hydraulic pumps for blower and broom functions
Meets Emissions Standards: US Tier 4f / EU Stage IV (No regen required)

Transmission

Allison 4000 RDS: 6-speed automatic transmission
Equipped With: Lockup function for torque efficiency
Katsa Gearbox: Custom-designed with force-feed lubrication

General Data

Gross Vehicle Weight 71,870 lbs
Working Speed Up to 40 mph
Transport Speed Up to 50 mph
Turning Radius 53.5 ft

Blower

Air Speed 250 mph
Blower Capacity 23,400 CFM
Automated Airflow Follows plow and broom path for efficiency

Sweeper

Broom Width 18 ft at a 35° angle
Brush Diameter 46 in
Speed Control Adjustable up to 710 RPM
Brush Pattern Adjustment Automatically adjusts to ensure even wear and optimal cleaning

Plow

Plow Width 27.5 ft
Working Width 22 ft at a 37° angle
Flexible Blade Spring-loaded cutting edges
Quick Attachment System Enables fast plow installation and removal

