



VAMMAS

STSB5500 MTE

PLOW, SWEEPER, & BLOWER

The STSB 5500 is a towed semi-trailer type sweeper blower.

This unit is used together with a towing vehicle fitted with a snow plow and snow plow attachment.



FORTBRAND

50 Fairchild Court
Plainview, New York 11803
Telephone: 516-576-3200



Snow Tractor and Snow Broom

The Right Machine For The Job

- Built Exclusively for Fortbrand Services in Ottumwa, Iowa.
- Purpose-built chassis engineered as a unified plow, broom, & blower system
- Integrated Articulation with electronically controlled rear steering and standard front-wheel steering
- Cab Forward Design
- Quick Disconnect Plow
- Volvo Tier 4 Final Engine
- Allison Transmission

The STSB 5500 can position its broom for transport to reduce overall width.

It features a high-speed, hydraulically driven jet blower fan for powerful performance. An advanced vehicle management system controls all hydraulic functions, manually or automatically.

The rear steering axle is electronically monitored for safety and consistent handling. It includes ABS brakes and an auxiliary Volvo Tier 4 engine that adjusts based on joystick input.



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Plow-Sweeper-Blower for high-speed clearing.

Drive Engine

Engine Model: Volvo TAD 1371VE

Horsepower: 500 HP (373 kW) @ 1900 RPM

Emissions Standard: US EPA Tier 4 Final / EU Stage IV

Fuel System: 300 gallons (1,135 liters)

Auxillary Engine

Engine Model: Volvo TAD1371VE

Horsepower: 500 HP (373 kW) @ 1,900 RPM

Function: Powers hydraulic pumps for the sweeper and blower systems

Emissions Compliance: US EPA Tier 4 Final / EU Stage IV Meets Emissions

Transmission

- **Primary Transmission:** Allison 4000 RDS automatic transmission
- **Features:** 6-speed with lock-up torque converter for optimal performance
- **Transfer Case / Gearbox:** Katsa two-speed transfer case
- **Lubrication:** Force-fed lubrication system

General Data

- **Gross Vehicle Weight (GVW):** 71,870 lbs (32,600 kg)
- **Working Speed:** Up to 40 mph (64 km/h) during snow removal
- **Transport Speed:** Up to 50 mph (80 km/h)
- **Turning Radius:** 53.5 ft (16.3 m)

Blower

- **Air Speed:** 250 mph (402 km/h)
- **Blower Capacity:** 23,400 CFM (cubic feet per minute)
- **Automated Airflow Control:** The airflow path automatically tracks behind both the plow and the broom, optimizing clearing efficiency and minimizing overlap.

Sweeper

- **Broom Width:** 18 ft (5.5 m) at a 35° angle
- **Brush Diameter:** 46 in (1.17 m)
- **Brush Speed:** Adjustable up to 710 RPM
- **Brush Pattern Adjustment:** Automatically adjusts to optimize brush engagement, ensure even wear, and maximize sweeping performance

Plow

- **Plow Width:** 27.5 ft (8.4 m)
- **Working Width:** 22 ft (6.7 m) at a 37° angle
- **Blade Type:** Flexible blade with spring-loaded cutting edges
- **Mounting:** Quick attachment system for fast installation and removal

