

PSB 4500 PSB 5500



VAMMAS PSB 4500 and PSB 5500
 – Presenting a new level in snow removal efficiency

The VAMMAS 3-in-1 PSB-high speed concept has been proven for years both in Europe and North America. All PSB units are manufactured to the highest standards of quality and reliability. The PSB concept is for airports where speed and efficient snow removal are most important – both for the airports and for their customers.

The superbly engineered VAMMAS PSB takes multitasking to a new level, combining the efficiency of a snow plow, sweeper and air-jet blower all in one unit. The PSB unit is designed to give the operator maximum visibility with the unique VAMMAS cab. The machine is short, but still long enough to have the broom parallel to the frame in transport position making it easy to drive to the garage or service area.

VAMMAS PSB unit has both wheel and articulated steering, so it can turn around easily on taxiways and runways. The articulated frame steering also maintains optimally the same path for the plow, sweeper and air blower.

Faster clearing, less runway downtime. A better bottom line.

The wide PSB unit offers substantial savings in capital and labor resources for airport operators by dramatically reducing the need for large fleets of narrow or single function vehicles. Several airports using VAMMAS PSB units have 3 000 m (10.000 ft) runways that are cleaned to bare pavement in less than 10 minutes.

The latest technology for maximum performance in all conditions. The Advanced technology incorporated in to all PSB units includes:

- plows with independent spring-loaded cutting edge segments to maintain maximum contact area even on uneven surfaces
- dense cassette broom system for easy maintenance and option to use steel or polypropylene brooms or a mix broom
- powerful air-jet blower to remove remnants as well as snow from edge lights
- ergonomically designed 'control tower' cab, with operator in the center to have excellent, all-around visibility
- both engines and frame steering softwares are integrated into VAMMAS CAN-system for monitoring and diagnostics

For more info, please ask for the complete specifications.

Technical specifications	PSB 4500	PSB 5500
Total length in working position	18.2 m	21.1 m
Total width in working position	6.4 m	7.5 m
Total width in transport position, without plow	2.99 m	2.5 m
Wheel base	10.9 m	10.5 m + 1.4 m
Height	3.6 m	3.7 m
Weight, without plow	23 t	31 t
Turning radius:		
- from outer plow end	13.6 m	16.3 m
- from outer front wheel	11.1 m	10.9 m
- from inner plow end	6.4 m	7.6 m
- from inner front wheel	8.6 m	9.0 m
Plow total width (37°)	6.75 m	7.5 m
Plow total width (0°)	7.6 m	9.0 m
Plow working width (37°)	5.6 m	6.7 m
Plow angle left and right	37	37
Broom core length	5.7 m	6.72 m
Broom working width (std 35)	4.6 m	5.5 m
Broom maximum diameter	960 mm	960, 1150, 1170 mm
Swing angle left and right (std 35°)	30° - 40°	30° - 40°
Caster wheels, automatic adjustment	2 pairs	4 pairs or 2 single
Air flow	10 cu m/s	11 cu m/s
Air speed at nozzle	400 km /h	400 km/h
Recommended max. working speed	40 - 60 km/h	40 - 60 km/h
Drive engine – US Tier 3 / EU Stage IIIa	Caterpillar C11	Caterpillar C15
	287 kW	354 kW
Aggregate engine – US Tier 3 / EU Stage IIIa	Caterpillar C11	Caterpillar C15
	313 kW	354 kW
Voltage	24 V	24 V
Transmission, Allison 4000 RDS automatic	6 forward + 1 reverse	6 forward + 1 reverse

