

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	60 ft	21.1 m	69 ft 7 in
Total width in working position	6.4 m	21 ft	7.5 m	24 ft 7 in
Total width in transport position, without plow	2.99 m	9 ft 9 in	2.5 m	8 ft 2 in
Wheel base	10.9 m	35 ft 8 in	10.5 m + 1.4 m	34 ft 4 in + 4 ft 6 in
Height	3.6 m	11 ft 10 in	3.7 m	12 ft 2 in
Weight, without plow	23 t	51 000 lbs	31 t	66 000 lbs
Turning radius:				
- from outer plow end	13.6 m	44 ft 7 in	16.3 m	53 ft 6 in
- from outer front wheel	11.1 m	36 ft 5 in	10.9 m	35 ft 9 in
- from inner plow end	6.4 m	21 ft	7.6 m	24 ft 7 in
- from inner front wheel	8.6 m	28 ft 3 in	9.0 m	29 ft 6 in
Plow total width (0°)	7.6 m	25 ft	9.0 m	29 ft 6 in
Plow working width (37°)	5.6 m	18 ft 5 in	6.7 m	22 ft
Plow angle left and right	37	37	37	37
Broom width	5.7 m	18 ft 8 in	6.8 m	22 ft 4 in
Broom working width	4.6 m	15 ft 2 in	5.5 m	18 ft
Broom maximum diameter	940 mm	37 in	940, 1150, 1170 mm	37 in, 46 in
Swing angle left and right (35°)	30°- 40°	30°- 40°	30°, 40°	30°, 40°
Caster wheels, automatic adjustment optional	2 pairs adjustable	2 pairs adjustable	4 pairs or 2 single	4 pairs or 2 single
Air flow	11 cu m/s	23 500 cfm	11 cu m/s	23 400 cfm
Air speed at nozzle	400 km /h	250 mph	400 km/h	250 mph
Recommended max. working speed	40 - 60 km/h	25 - 40 mph	40 - 60 km/h	25 - 40 mph
Drive engine – US Tier 3 / EU Stage IIIa	Caterpillar C11		Caterpillar C15	
	287 kW	385 hp	354 kW	475 hp
Aggregate engine – US Tier 3 / EU Stage IIIa	Caterpillar C11		Caterpillar C15	
	313 kW	420 hp	354 kW	475 hp
Voltage	24 V	24 V	24 V	24 V
Transmission, Allison 4000 RDS automatic	6 forward + 1reverse		6 forward + 1reverse	

Snow How

Vammas Snow Removal



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