



A company of the Aebi Schmidt Group

Supra 4002 and 5002

Airport snow cutter blowers



Supra 4002 and 5002

Airport snow cutter blowers

Our high-performance machines – now with optimised drive and more convenience in new design!

Snow cutter blowers Supra 4002 and 5002:

Two power packs to rely on in any situation!

The snow cutter blowers Supra 4002 – featuring a clearing capacity of up to 3500 t/h – and Supra 5002 – featuring a clearing capacity of up to 5000 t/h – are machines of the latest generation. Like their predecessors, both variants are designed to take on the full range of snow removal tasks on runways, taxiways and ramps and have now been enhanced with important features and a new design. In addition to ergonomic improvements, the high-performance snow blowers stand out with their articulated frame steering and intelligent power drive transmission that ensures a consistent clearing capacity even when cornering.

Maximum performance in any amount of snow – while still protecting the environment

The reversible clearing head drive unit of the Supra 4002 is now directly integrated into the clearing head, eliminating the need for a drive shaft. The clearing head of the Supra 5002 is powered mechanically via a two-speed gearbox. The powerful dual-block snow clearing unit incorporating a cutter drum and a downstream blower wheel enables maximum snow ejection ranges. Both machines have an impressive fuel tank capacity of 530 l, allowing for up to 8 hours of uninterrupted operation. Optionally, it is possible to switch between wheels and crawler tracks. The Supra 4002 and 5002 are powered by a 6-cylinder engine and an 8-cylinder engine, respectively. The Supra 4002 has a performance capacity of 320 kW (435 HP) at 1800 rpm and the Supra 5002 a performance capacity 420 kW (571 HP) at also 1800 rpm. Despite these powerful parameters, both engines deliver an environmentally friendly performance according to European emission standard Euromot IIIB – operating with great fuel efficiency and at a low noise level (eco-transport and eco-operating gear)!

Intelligent technology, efficient results:

Full power even when cornering!

The chassis is equipped with a flexible articulated frame steering permitting a steering angle of up to 35°. In any manoeuvre, maximum feeding power is thereby always transmitted in the clearing head's direction of travel. Combined with precise vehicle guidance following the path of the clearing head, it is even possible to clear tight corners in hard snow! During operations, infinite speed adjustment is performed via a variable pump and variable engine:

This permits a steady rotational speed of the drive engine, preventing any potential drops in performance. An improved and simplified hydraulic system in both vehicles facilitates steering.

Precise and speedy snow removal – with ejection distances of up to 40 m

Both machines accurately throw the removed snow up to 40 metres to the left or right. Thanks to their individually adjustable chutes and hydraulically operated blower housings, the ejection distance can be infinitely (Supra 5002: in two steps) adjusted from minimum to maximum even under full load. The Supra 4002 and 5002 achieve an operating speed of up to 40 km/h. If, for example, snow contaminated with de-icing material needs to be transported, it is also possible to load lorries in quick succession – a height-adjustable operator's cabin in both vehicles always provides a clear view.

Cutting-edge and convenient work environments that offer a high degree of safety – and are a pleasure to use

We have also greatly improved the vehicles in terms of operational convenience. This includes a logical and ergonomic design of functional components featuring a TFT colour display, a central control panel for single-handed operation of the clearing head, excellent all-round visibility, a windscreen with negative inclination to prevent accumulation of snow and a 2-seat driver's cab that absorbs vibrations and noise. Additionally, there are details such as electrically heated windscreen and side windows, heated wing mirrors, right-hand drive, spring-suspension seats that are adjustable to several positions and much more.

The Supra 4002 and 5002: Always the right choice if you do not want to compromise on safety, efficiency and economy – our staff will be happy to provide you more information.

Technical data

Clearing width	2400 mm / 2600 mm / 2800 mm	
Cutting drum diameter	1100 mm	
Blower wheel diameter	1150 mm	
Clearing capacity		
	Supra 4002	up to 3500 t/h
	Supra 5002	up to 5000 t/h
Operating speed	up to 40 km/h	
Drive	hydrostatic	
Output	Supra 4002	320 kW
	Supra 5002	420 kW