

Supra 4002/5002

Snow removal machine

The Supra is a self-propelled snow clearing machine, specially designed for removing large quantities of snow on airports or all road surfaces. It combines maximum efficiency, first-class operating comfort and a high level of environmental compatibility, and is available in the 4002 and 5002 series. Both machines differ in terms of clearing performance, but are designed for all applications and are highly efficent and effective.

Highlights

- **Accurate and fast snow clearance** - with casting distance of up to 40 metres
- Individually adjustable chute and hydraulically adjustable ejection housings, through which the **casting distance can be infinitely varied**
- **Low-emission drive**

Your benefits

- **High performance:** the Supra combines all-wheel drive, high-performance clearing head and innovative articulated steering to provide a consistently strong work-rate.
- **Fuel efficiency:** With a tank capacity of only 480 l, the Supra 4002/5002 enables an operating time of up to 8 hours – while consuming up to 20% less fuel in Eco mode.
- **Ergonomic and comfortable workplace.**



We know how important it is that your machines and equipment are always ready to deploy. **Get in touch with us** about our range of tailored services and original spare parts.

Performance features

Clearing technology



The Supra is equipped with a **snow blower unit** suitable for clearing all types of snow on all road surfaces and airports. If necessary, the technology allows for efficient loading of the snow onto trucks.
The Supra's **powerful snow clearing unit with cutter drum** and downstream blower wheel in monobloc design ensures a permanently high clearing capacity. The FS-type snow blower front consists of a large drum drive and a blower wheel with an ejection housing that can be hydraulically swivelled right or left. The clearing head is equipped with adjustable skids to adjust the distance between the ground and the wear bar. Adjustable castor wheels are optionally available.
The high-capacity Supra 5002 can be equipped with hydraulically movable front flaps especially for use at airports. This increases the clearing width and can be flexibly adapted to the width of the snow bank, allowing particularly efficient snow removal. In addition to its great clearing efficiency, the Supra's all wheel drive makes it highly manoeuvrable – very important in narrow areas on airports and near aircraft.

Adjustable ejection chute

The Supra ejects cleared snow precisely and up to 40 metres left or right. Thanks to the adjustable chute and the hydraulically adjustable ejection housing, the distance can be infinitely varied - from minimum to maximum and under full load. A hydraulic slewing ring mounted on the front end of the cutter centrifuge has a 225° turning range and can be equipped with either a short target chute or a loading chute with hydraulic ejection flap. Removing snow contaminated with de-icing agents directly onto trucks is a straightforward operation. And for loading trucks with high tail lifts, an optional chute height adjustment is also available. For transport purposes, the entire chute body can be hydraulically folded down at the push of a button.



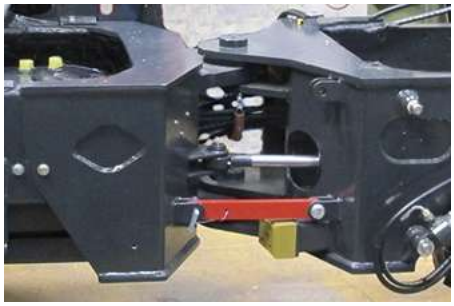




Articulated steering

The articulated steering enables the feed force of the front carriage to be transferred exactly in the working direction of the clearing head. Regardless of the radius of the curve, the rear carriage follows the front carriage exactly and remains perfectly positioned in the clearing track.





- Optimum guidance of the rear vehicle following the clearing head's track
- Cutting tight corners even in hard-packed snow
- The feeding power is transmitted in the clearing head's direction of travel at any steering angle, supplying it with maximum power

Reliable drive

The Supra is powered by high quality, environmentally friendly, **economical diesel engines** that operate to the latest EuroMot IV emission standards at a comparatively low noise level. For countries outside the EU, the powertrains comply with EuroMot IIIA.
The **hydrostatic travel driveis fully reversible**, while the driving and clearing speed is achieved by means of a **variable displacement pump and motor**. This allows a constant speed of the drive motor and thus the ideal power use in every situation.
In **Eco mode**, reduced engine speed generates a fuel saving of up to 20% - at the same high driving speed, virtually unchanged clearing performance and significantly reduced noise level. Two speed ranges can be set for work and transport travel.
The engines comply with the current EU regulations of the **EuroMot V** emission stage and are also certified outside the EU according to the regulations of the EuroMot IIIA emission stage. For our customers in the USA and Canada, we offer special **Tier 4 Final** engines.
The clearing head drive of the Supra 4002 is reversible, thanks to the hydraulic motor being mounted directly on the clearing head, and the ejection distance is infinitely variable from 0-40 metres. With the Supra 5002, the higher drive power is introduced into the clearing head via a mechanical drive with two-stage gear. The ejection distance can be adjusted in two stages from six to 40 metres.

Ergonomics and comfort

The Supra is equipped with a vibration and noise-insulated, ergonomically-designed driver‘s cab with two seats. Thanks to specially sound-absorbent materials, the noise level during operation is only 75 dB(A). The driver and passenger seats are equipped with mechanical or air suspension and heating, while air conditioning can be fitted as an option.
The clearing head is operated by a comfortable joystick with a simple key function. The large, heated front and side windows provide excellent all-round visibility, while the cab can be raised hydraulically to further improve vision if required. An optional rear view camera makes work easier, while to prevent snow build-up, the front windscreen has a negative angle of attack.
The control console, which features a graphic-capable TFT colour display and keyboard, can be moved, rotated and adapted to the driver‘s personal requirements. The display clearly shows all vehicle, engine and clearing head parameters as well as various joystick functions. Various menu levels are available for the driver, workshop and service personnel.
An ergonomically adjustable and fold-up armrest with joystick is designed for single-handed operation of all clearing head and drive functions. In addition, handily located rotary switches with LED displays control ejection range, Eco mode and stem relief.
The Supra offers good access to all hydraulic components, as both the engine and cab canopy can be easily raised, while fuel, AdBlue and coolant can be filled easily under the bonnet.

GPS-Guide: By summer mapping, the track can be cleared in winter without causing damage to track boundaries, the machine or without endangering pedestrians. The route can be driven completely autonomously with the help of a GPS guide during clearing operations. No additional track marking is necessary.







Maximum robustness

The Supra series uses extremely **robust rigid axles**, which offer a clear advantage over steering axles. As there are no swivel joints, they are **absolutely maintenance and wear-free**. Moreover, rigid axles offer a significantly **higher load capacity** compared to steering axles. A **torsionally stiff rigid frame** and an **extremely stable, articulated joint** between the front and rear of the vehicle ensure effortless absorption of all forces.
The Supra boasts **optimum weight distribution** for problem-free milling of layers. Leaf springs allow tough operating conditions to be tackled easily with high driving comfort.
The Supra‘s **wide tyres** ensure low surface pressure and are suitable for all types of snow. An **optional caterpillar track drive**, which can be quickly replaced with standard tyres, offers outstanding performance in stratified milling - even under the toughest conditions.

Corrosion protection

Efficient corrosion protection guarantees a long service life with all necessary painting carried out to the latest regulations. Elaskon preservation is used for exposed parts and full Elaskon sealing is also possible. Highly wear-resistant Hardox parts are used for particularly stressed areas. Wherever possible, closed profiles are used which also significantly reduces corrosion.

IntelliOPS telematics platform

The Supra can be connected to Aebi Schmidt's IntelliOPS platform, which provides comprehensive information on the machine's operating status, work mode and detailed reporting and analysis. Access to the platform allows a quick assessment of work performance at any time by displaying live machine activity data on a map and the data collected facilitates detailed overviews and reports to optimise your work process.

Gallery








Variants

Supra 4002



The Supra 4002 is a self-propelled snow clearing machine with a clearing width of either 2400, 2600 or 2800 mm.

Supra 5002



The Supra 5002 is a self-propelled snow clearing machine with a clearing width of either 2400, 2600 or 2800 mm.



Trust in our many years of uniquely diverse experience. **Get in touch with us.** We'll find the right solution for your specific challenge.

Technical data

	Supra 4002	Supra 5002
Clearing head		
Clearing width	2,400 / 2,600 / 2,800 mm	2,400 / 2,600 / 2,800 mm
Ejection distance up to approx.	40 m	40 m
Transmission		
Type of drive	hydrostatic	hydrostatic
Displacement pump - capacity	175 cm^3/1/min	175 cm^3/1/min
Displacement pump - maximum pressure	500 bar	500 bar
Regulating motor - capacity	140 cm^3/1/min	140 cm^3/1/min
Regulating motor - maximum pressure	500 bar	500 bar
Cutter drive		
Type of drive	hydrostatic	2 stage gearbox
Displacement pump - capacity	280 cm^3/1/min	–
Displacement pump - maximum pressure	500 bar	–
Regulating motor - capacity	215 cm^3/1/min	–
Regulating motor - maximum pressure	500 bar	–
Drive system - auxiliary engine		
Engine type	Deutz	Deutz
Number of cylinders	6	8
Exhaust emission	EuroMot V	EuroMot V
Fuel	Diesel	Diesel
Fuel tank	480 l	480 l
Displacement	11,950 cm^3	15,930 cm^3
Performance	330 kW (448 HP) @ 2,000 1/min	440 kW (598 HP) @ 1,800 1/min
max. Torque	2,100 Nm @ 1,300 1/min	2,700 Nm @ 1,200 1/min
Speed		
Driving speed max.	40 / 50 km/h	40 / 50 km/h
Steering		
Steering type	Articulated steering	Articulated steering
Steering angle	35°	35°
Steering force transmission	hydrostatic	hydrostatic
Weights		
Gross vehicle weight	12,000 kg	12,000 kg
Permissible weight front axle	7,500 kg	7,500 kg
Permissible weight rear axle	6,000 kg	6,000 kg
Weight with clearing head approx.	10,780 kg	11,200 kg

aebi schmidt group

Aebi Schmidt Holding AG
Lindbergh-Allee 1
CH-8152 Glattpark, Switzerland
Phone: +41 44 308 58 00
www.aebi-schmidt.com

© Aebi Schmidt Group
All rights reserved.
Technical data is subject to change.
Illustrations are not binding.
Errors and amendments excepted.

Document created on 10 JUL 2026

TELEMET
Efficiency Through Simplicity™

Advice, spare parts and service

Telemet · Office in Chile

Los Canteros 8723, La Reina, Santiago 7880414, Chile

Phone +56 22 356 2735

info@telemet.com

telemet.com