



A company of the Aebi Schmidt Group

Supra 4002 and 5002

Self-Propelled Snow Cutter Blowers



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Self-Propelled Snow Cutter Blowers

- Maximum comfort thanks to generously dimensioned driver's cab, convenient joystick control and excellent overall handling
- Constant clearing capacity even when cornering thanks to articulated steering and intelligent power drive transmission
- Fuel savings of approx. 20% when using eco mode during both operation and transport
- Up to 8 hours of uninterrupted operation thanks to the tank capacity of 530 litres

Chassis

Chassis equipped with articulated steering, permitting a steering angle of up to 35° for maximum feeding power at any steering position. Rigid, hub-reduction axles and selectable differential lock. Leaf springs for tough operating conditions and great ride quality.

Clearing unit

Powerful mono-block snow clearing unit, incorporating a cutter drum and a downstream blower wheel. Individually adjustable chute with blower housing that can be hydraulically swivelled to the right and the left. You can choose between a short ejection chute and a loading chute including a hydraulic ejection flap. The clearing head of the Supra 4002 is driven via the hydraulic motor flanged to the clearing head, the clearing head of the Supra 5002 via a two-speed gearbox.

Clearing width	2,400 / 2,600 / 2,800 mm
Ejection distance	up to 40 m
Cutter drum diameter	1,100 mm
Blower wheel diameter	1,150 mm
Clearing capacity Supra 4002	up to 3,500 t/h
Clearing capacity Supra 5002	up to 5,000 t/h

Drive

Supra 4002: Deutz TCD 12.0 V 6 diesel engine (320 kW (435 HP) at 1,800 rpm, emission standard Euromot IV – non-member countries: MB Typ OM 501 LA diesel engine (320 kW (435 HP) at 1,800 rpm, emission standard Euromot IIIA

Supra 5002: Deutz TCD 16.0 V 8 diesel engine (420 kW (571 HP) at 1,800 rpm, emission standard Euromot IV – non-member countries: MB OM 502 LA diesel engine (320 kW (435 HP) at 1,800 rpm, emission standard Euromot IIIA

Hydrostatic, fully reversible drive. The infinitely adjustable speed is set via a variable displacement pump and variable motor, permitting the drive engine to run at a steady speed. The eco mode permits fuel savings of approx. 20%.

The tank capacity of 530 l guarantees up to 8 hours of uninterrupted operation.

Operating speed	0 - 15 km/h (optionally 0 - 40 km/h for airports)
Transport speed	0 - 40 km/h (optionally 0 - 50 km/h for airports)

Driver's cab

Comfortable, ergonomically designed 2-seat driver's cab in line with the latest requirements of occupational medicine. Front window with a negative angle of inclination to prevent accumulation of snow. The driver's cab can be lifted hydraulically by 700 mm. Ergonomically designed, adjustable steering column. Electrically heated front and side windows, heated wing mirrors, right-hand drive, spring-suspension seats adjustable to several positions.

Operation

Logically and ergonomically arranged control elements. Movable and turnable control panel with graphics-enabled TFT colour display and keypad. Folding, adjustable armrest equipped with a joystick for the operation of all clearing and driving functions. The assignment of keys can be set as needed.

Tyres

Wide tyres – 405/70 R 20 MPT – for low surface pressure and for all types of snow. Option: Crawler tracks for increased ground contact area.

Options

GPS guidance system: Mapping the route during summer makes it possible to clear it in winter, preventing damage to traffic barriers or the machine and ensuring personal safety.

Dimensions

	Supra 4002	Supra 5002
Length (mm)	approx. 6,640	approx. 6,790
Width without clearing head (mm)	approx. 1,940	approx. 1,940
Height (without warning beacon) (mm)	approx. 3,450	approx. 3,450
Ground clearance (mm)	approx. 300	approx. 300
Track width (mm)	1,500	1,500
Wheelbase (mm)	2,315	2,315
Turning circle (m)	approx. 9	approx. 9

Weights

	Supra 4002	Supra 5002
Weight with clearing head (kg)	10,780 (FS 26)	ca. 9,600 (FS 26)
Total permissible weight (kg)	11,500	11,500
Permissible front axle load (kg)	7,500	7,500
Permissible rear axle load (kg)	6,000	6,000

