

FS HP

Snow removal machine

The FS HP snow cutter-blowers are suitable as attachments to a wide range of carrier vehicles for professional use, whether municipal or private, for clearing snow from all types of traffic areas. Carrier vehicles in the 75-300 hp power class are ideal. The FS HP series is made of highly wear-resistant materials to withstand the heavy loads of winter service. The snow cutter-blowers are available in different clearing widths from 1,600 mm up to 2,650 mm and can thus be designed to suit the carrier vehicles and needs.

Highlights

- For professional **snow clearance** with compact and precise snow ejection
- Side cutters for **excellent steering characteristics**
- **Multiple attachment options** on various carrier vehicles: Unimog, tractors, etc.
- **LED marker lights with tilting function** - optimum protection against snow loads
- **Maintenance-friendly:** Time and cost savings

Your benefits

- **Robust construction**: The cutter-blowers can withstand heavy loads and forces when clearing snow.
- **Flexibility**: The wide range of models allows for use on different roads and fields of application.
- **High clearing performance**: The optimised impeller and its geometry ensure a high clearing performance and wide snow casting.
- **Precise snow ejection:** An optimized ejection angle and improved chimney design ensure that the snow is ejected bundled and precise.

Performance features

Clearing technology

The clearing unit of the snow cutter-blowers consists of a two-stage snow cutter-blower system. The cutter drums are equipped with double-threaded open cutting spirals (slow-running) and feed the snow to the impeller (fast-running). The casting chute is used to achieve targeted snow ejection.



Cutter drum



The cutter drums with the double-threaded open cutting spirals guarantee optimum snow transport to the impeller due to the cutting blades that become wider towards the inside. The outside mounted cutter drums ensure a stable hold and, in combination with the attached side cutters, very good steerability of the carrier vehicle is ensured. The cutter drums are driven via a robust central mounted bevel gear and are protected by self-readjusting clutches.

Impeller

The optimised impeller and its geometry ensure the high clearing performance and a wide snow casting. The ejection distance depends on the speed of the blower wheel, i.e. the PTO speed or the amount of hydraulic oil supplied by the carrier vehicle.

Casting chute

The snow cutter-blowers have a hydraulically rotating and foldable chute for targeted snow ejection. The snow is dynamically bundled in the chute to form a compact snow jet. The hydraulically operated ejection flaps change the casting range, while the chute turning device changes the direction of the snow jet. The snow can be thrown to the side via the chute or equally loaded onto a truck.



Cutting head

To ensure that the snow cutter-blowers withstand the high loads, forces and wear, the components are made of highly wear-resistant materials. The lateral snow blades are integrated and capture/cut the snow. The ground clearance can be defined using sliding shoes or optional castor wheels. The screwed-on side deflectors serve as collision protection.

Drive system

Depending on the carrier vehicle, the power supply is either mechanical, provided by the PTO and a gearbox or via the power hydraulics.

Attachment / mounting variants

The snow cutter-blowers can be equipped with the following attachments/devices, which include hydraulic slope compensation:

- Attachment device including lifting device and mounting plate according to EN, DIN or VSS.
- Attachment devices for wheel loaders
- Three-point linkage of categories II and III

Options

- Hydraulic longitudinal tilt compensation
- Parking trolley
- LED marker lights with tilting function
- Transport protection device

Gallery







Related products

FS 110 T

Snow removal machine



Supra 4002/5002

Snow removal machine



Technical data

	FS 75 - HP	FS 90 - HP	FS 105 - HP
Clearing head			
Clearing width	1,600 / 2,000 / 2,200 / 2,450 mm	2,450 / 2,650 mm	2,450 / 2,650 mm
Clearing capacity up to approx.	850 t/h	1,400 t/h	1,800 t/h
Ejection distance approx.	5 - 35 m	5 - 35 m	5 - 35 m
Transmission			
Driving power	60 - 120 kW	80 - 150 kW	150 - 300 kW
PTO speed	540 / 1,000 1/min	540 / 1,000 1/min	540 / 1,000 1/min
Dimensions			
Cutter drum diameter	750 mm	900 mm	1,050 mm
Impeller diameter	680 mm	830 mm	1,000 mm
Weights			
Weight approx. (Depending on equipment and size)	930 - 1,350 kg	1,520 - 1,690 kg	1,750 - 1,950 kg

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