



State-of-the-art high-performance airport snow sweepers

P 21
P 21S
P 21C
P 21CS



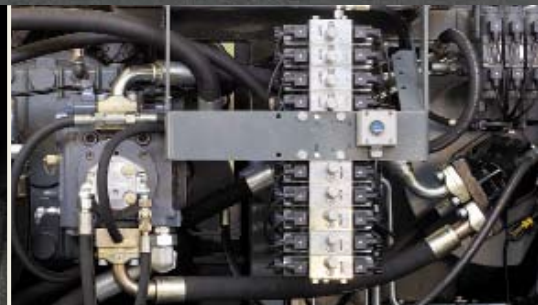
Powerful engine

The powerful auxiliary engine meeting the latest exhaust emission standards is the heart of our high-performance snow sweepers.



Easy-to-use control panel

Ergonomically and simply arranged, intuitive controls are winning features of this central console.



Central hydraulic system

The central valve block with manual override for controlling the sweeping units is safely housed in the engine compartment.

Powerful and reliable

Bucher Schörling's high-performance snow sweepers are engineered specifically for clearing snow and ice at airports. These state-of-the-art specialist vehicles featuring separate propulsion and auxiliary engines keep runways and taxiways clear for take-off and landing throughout the winter maintenance period. And they let you manoeuvre easily to clean surfaces in areas that are difficult to reach, like around air bridges.

Ergonomic All models come with an ergonomically designed, highly user-friendly control panel with simple displays and clear symbols, a few switches and a joystick. The snow sweepers are easy to operate from the central control panel inside the cab. In automatic mode, the driver can concentrate fully on his snow clearing work, just controlling the brush swing and raising/lowering the sweeping units individually.

Simple to operate Special attention has been devoted to features for night operation and to the logical layout of all controls. With the turn of a key and a push of the engine start button and 3 switches for the main plough, brush and blower fan functions, the machine is ready to go. Using just a joystick, the driver can control the entire hydraulic motion system, pressing rocker switches to operate any of the main functions independently.

Safe The blower fan and brush are driven by two independent hydraulic circuits. Another, separate circuit is provided to control all movements. All actions like opening the engine compartment and actuating emergency valve functions can be operated by an electric hydraulic pump when the auxiliary engine is switched off. With centrally located valves, solid tubing and simple hose guides, the hydraulic system has been engineered for maximum machine availability.



Snow ploughs to fit all of our snow sweeper series

A snow plough with a clearing width of up to 8 m is available to fit all of our snow sweeper series.



Brush

With clearing widths ranging from 4.2 m to 6.3 m, the brush offers the ultimate in snow removal efficiency.



Blower nozzle

The blower system mounted in front of the rear axle delivers a very high velocity air stream to blast away any remnants of snow.



P 21 as a semi-trailer

Our standard snow sweeper is built to handle all winter conditions at airports.



P 21 as a trailer

This model is particularly ideal if the prime mover is needed for other tasks outside the winter season.



P 21S as a semi-trailer

This machine boasts working widths of up to 6.3 m for outstanding performance and efficiency, especially at large airports.

A comprehensive range of products

P 21 With its high-output engine, the P 21 is perfectly equipped for efficient snow removal. Its blower fan and brush are driven by two independent hydraulic circuits. The brush head is supported by the proven twin-wheel castor system to eliminate vibrations and minimise wear while sweeping. A blower nozzle mounted in front of the rear axle blasts air at speeds of 600 km/h, preventing any snow left on the ground from being flattened and compacted by the rear wheels. Available as a semi-trailer or three-wheel trailer, this machine is capable of clearing more than 185,000 m² per hour.

P 21S More power and a longer brush – that’s what sets the P 21S apart from the P 21. With its extra engine output and a 6 m or 6.3 m brush, the P 21S is ideal for use at large airports. This machine also runs smoothly without vibration due to the extremely rigid frame combined with the castor technology and parallelogram brush head suspension (with vibration damper). This extends the life of the brush bristles and increases efficiency and economy. The P 21S is simple to operate from the central control panel inside the cab. In automatic mode, the driver can concentrate fully on his snow clearing work, just controlling the brush swing and raising/lowering the sweeping units, either in combination or individually as required.



High-performance power unit

The engine and blower fan unit is mounted over the optionally steerable rear axle.



Brush head

Hydrostatically driven, the brush can be controlled independently of the blower fan. Maintenance-free hydraulic cylinders for castor adjustment allow the brush pattern to be set with pinpoint precision.



Brush suspension

The highly rigid frame combines with the brush suspension system, proven over decades, and the twin-wheel castors to prevent vibrations while sweeping.



P 21C

Mounted on a modified standard chassis, the P 21C provides superior manoeuvrability.



P 21CS

This model offers a perfect combination of exceptional working width and a short total vehicle length.



Second blower nozzle

Added to the air blast in front of the rear axle, the blower nozzle in front of the brush makes the machine even more efficient.

Compact and powerful all in one

P 21C Unlike the tow-behind models, the P 21C is a compact snow sweeper mounted on a modified standard chassis. All-wheel steering with crab steer makes the P 21C particularly manoeuvrable in all airside areas, even where access is very tight. On this machine, the blower nozzle is also located in front of the rear axle to clear remaining snow before it is compacted by the rear wheels. This all-wheel drive vehicle delivers the same, high clearance performance as the P 21.

P 21CS This compact, powerful and manoeuvrable snow sweeper is built around the proven Bucher Schörling concept. Equipped with a 6 m or 6.3 m brush, this machine is a top-performer. Its commercial truck cab is ergonomically fitted with every comfort, including clearly arranged and easy-to-use controls. Outstanding efficiency is provided by two blower nozzles mounted in front of and behind the brush for even better clearance performance, especially in dry snow. The result is even safer surfaces, cleaned of all snow down to bare pavement in the cleared path. This multi-tasking machine comes complete with a snow plough, optionally equipped with hydraulic folding side wings, a brush and a dual blower system. With its high engine outputs, the P 21CS delivers all the power needed to drive the vehicle and operate the sweeping equipment. Clearing capacities of up to 250,000 m² per hour are no problem for this powerful workhorse, which of course boasts four-wheel steering and crab steer.



Carrier

The carrier consisting of a modified standard chassis provides plenty of power and maximum operating comfort.



Modular design

The P 21CS is a modular system comprising a carrier, a sweeping unit and an engine and blower fan unit.



Snow plough

Extra wide snow ploughs are available, either with a fixed width or with folding side wings.

Professional service Bucher Schörling's worldwide success is based on its distribution network offering qualified, customer-focused technical support wherever you are. For us at Bucher Schörling, service begins at the drawing board when we design vehicles to meet our customers' specific requirements and build bespoke solutions. We are renowned for our sound, competent advice and reliable service, provided by knowledgeable and well-trained professionals and by our efficient spare parts centres that assure the fastest delivery and long-term supply guarantees.

Certified quality – high operational efficiency In our pursuit of quality, Bucher Schörling is committed to ensuring continuous machine uptime, long life and low maintenance. Bucher Schörling's competence centres are naturally fully ISO 9001:2000 certified. This ensures that our machines deliver the best value for money at the lowest total cost of ownership throughout their lives.

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