PB 600 E+

The green future of snow grooming.



On Top of the Mountain since 1969.

PistenBully®

Setting new standards.

Everyone knows the power of green.
Here you are:

THE BEST OF BOTH WORLDS

Plenty of power. Lower emissions and less noise. Minimal operating costs. The PistenBully 600 E+ takes what seems like an impossible combination and makes it a reality: It is both the cleanest and the quietest snow groomer in its class.

By offering this vehicle, Kässbohrer is taking one more step in the right direction: The PistenBully 600 E+ has been and remains a trailblazer on the path toward slope grooming that is both professional and sustainable. It features a unique diesel-electric drive for enormous thrust – even in the low speed range and 20% less fuel consumption for significant savings in operating costs, as well as 20% less noise and a 20% reduction in CO2 emissions. A snow groomer for the ski area of tomorrow – without compromises in terms of range and established processes, and without additional investment in infrastructure.

PistenBully®



UNIFORM OPERATING CONCEPT

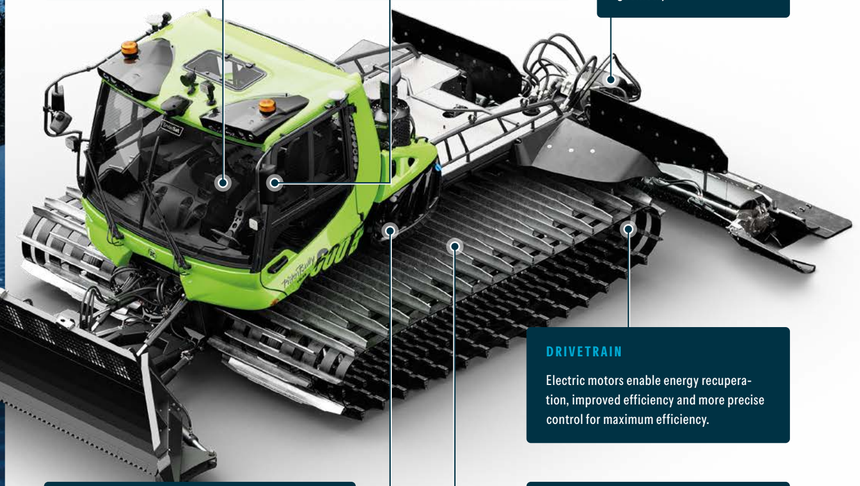
Uniform operating concept across all models, identically arranged control elements, double-joint joystick, four individual operator

DRIVE CONCEPT

Automatically maintains the optimum range of engine power and RPM for the most efficient and fuel-efficient driving possible.

SMARTCUT TILLER

Simply better slopes, parks and cross-country skiing trails thanks to an optimized tiller tooth and finisher geometry.



DRIVETRAIN

Electric motors enable energy recuperation, improved efficiency and more precise control for maximum efficiency.

POWERFUL AND CLEAN ENGINE OPERATION

The diesel-electric drive complies with EU Stage V and is HVO-compatible. For minimal emissions and maximum range.

CHASSIS

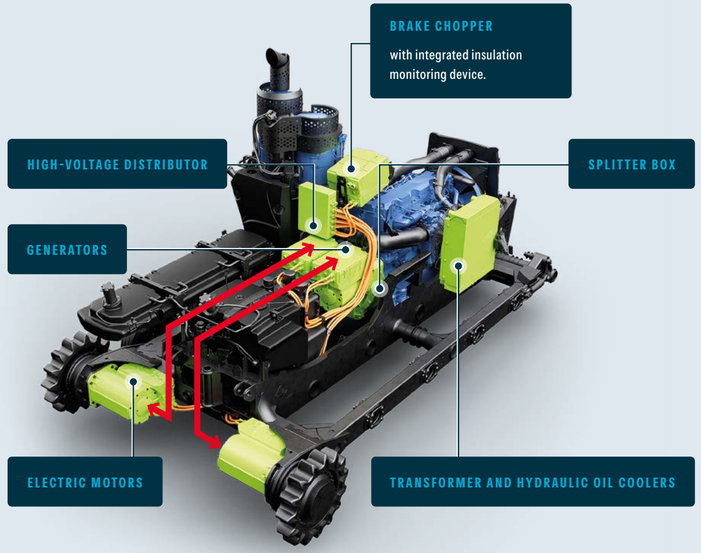
A higher drive torque and longer chassis length guarantee maximum thrust and climbing performance.

Winner in all categories

ENGINE	
Type	Cummins X 12
Number of cylinders	6
Displacement	11,800 cm³
ECE power rating	382 kW / 520 hp (metric)
Exhaust gas standard	Tier 4f and EU Stage V
Max. torque	2375 Nm @ 1200 rpm
Tank capacity	300 l
DEF (AdBlue®) tank capacity	38 l
Fuel consumption	from 17 l/h
Generators	140 kW / 650 V
Propulsion drive	140 kW / 650 V

+16%
→ MORE THRUST

–20%
→ FUEL SAVINGS
→ LESS NOISE
→ CO2 REDUCTION



HVO READY

HVO READY

All new PistenBully vehicles can be operated with renewable HVO fuel. This reduces CO2 emissions by up to 90%.

Quieter. More efficient. More sustainable.

This is what a sustainable trailblazer looks like.

HIGH ENERGY EFFICIENCY AND ENERGY RECUPERATION

Consistent operation of the diesel engine in the optimum speed range makes it extremely efficient, economical and 20% less noisy. In uphill operation, the engine drives the generators, together with the drive motors, as well as the hydraulic pumps by means of a splitter box. The intelligent energy management ensures that, in downhill operation, the electric motors function as generators and support the engine in driving the hydraulic pumps via the splitter box. This takes some of the burden off the engine, reducing fuel consumption significantly.

OPTIMUM OPERATING POINT

The PistenBully 600 E+ allows the operator to specify the desired driving speed using the throttle pedal. The intelligent vehicle control takes this information and calculates the best possible operating point at which the diesel engine provides the required output at optimum fuel consumption. This calculation also takes into account slope gradient, driving speed and tiller output. As a result, operation always remains at the lowest possible engine speed combined with high utilization. This type of driving strategy is only possible using the PistenBully 600 E+.

THE BEST OF TWO SYSTEMS: OUR DIESEL-ELECTRIC DRIVE

The only snow groomer in the world with a diesel-electric drive complies with EU Stage V and features strong performance characteristics, efficiency and environmental friendliness. The high efficiency reduces the fuel consumption by up to 20% in comparison to the PistenBully 600 Polar! This also reduces the CO2 emissions by 20%, and less consumption means a greater range.

MAXIMUM POWER OUTPUT AT LOW SPEEDS

The electric drive operates with excellent efficiency while ensuring consistently high torque. The power is available instantly, even when the engine is revolving at a low speed. This means that operating the PistenBully 600 E+ gives driving a completely new feel, with up to 16% more thrust as soon as you get going.



PB 600 E+

Efficient power output

MAXIMUM THRUST AT LOW SPEEDS

With intelligent energy management and recuperation, the PB 600 E+ reduces fuel consumption by up to 20%. Simultaneously, the electric drives with higher torques and improved efficiency increase the thrust by 16%, and ensuring maximum power with minimal fuel consumption. More efficient, more powerful, more environmentally friendly – for greater efficiency during each operation.



OPTIMIZED ALLWAYBLADE

The tried-and-tested 4.6 m All Way Blade is one of the tallest push blades on the market in all classes. To accommodate the high thrust and large thrust area, the available quick-change systems were also designed accordingly. The chassis can be optimally adapted to the specific use by adjusting the various settings and configurations of the axles.



TRACKS FOR ANY JOB

It does not matter what you plan to use your PistenBully 600 E+ for. We have the right track for it:

- Rubber profile track X-Track with a width of 975 mm for driving that is gentle on the surface.
- Steel track with a width of 1,648 mm: for extreme applications on rocky surfaces.
- KombiPlus track with a width of 1648 mm as a 6-belt or 7-belt -track for better slope quality/ the best gradeability on the market.

SmartCut. The best tiller we've ever had.

THE SECRET TO IDEAL SLOPES.

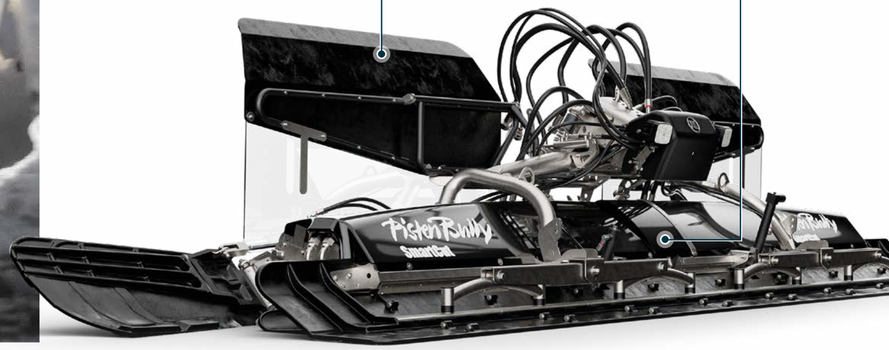
No tool is a replacement for your experience, your knowledge and your abilities, not to mention your diligence and keen eye. However, a high-quality tool allows anyone to simplify and improve their work, whether they are a beginner or an experienced professional.

The new AlpineFlexTiller SmartCut is precisely this type of tool. A new tiller tooth geometry and a new finisher comb ensure that ice and snow are broken up even more finely and compacted more effectively. This means smoother running, improved directional stability and better snow transport. The result: an even finer, more uniform corduroy structure – and improved stability and durability of the slope.

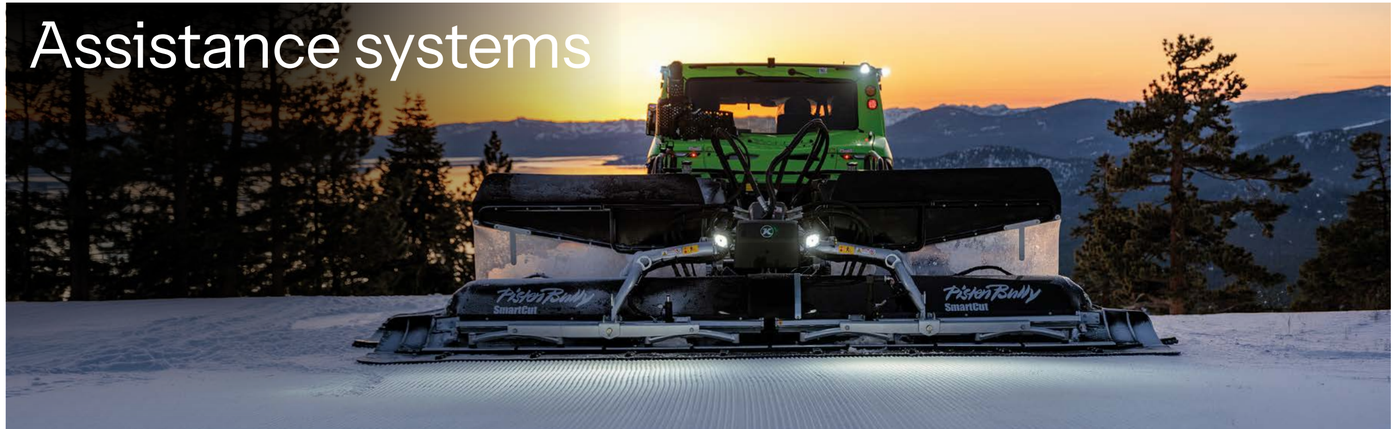


EVEN BOLDER THAN BEFORE.

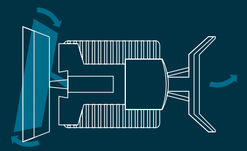
Kässbohrer's SmartCut tillers in a purist, modern all-black look that perfectly matches your PistenBully 600 E+.



Assistance systems



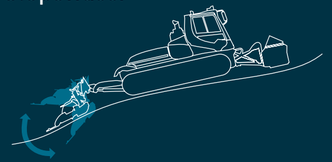
AutoTracer



MAXIMUM TRACK STABILITY

Automatic steering support when turning, automatic level control on side slopes. The rear implement carrier with active steering support takes the strain off and ensures maximum track stability and maneuverability in all conditions.

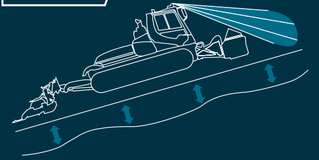
SlopeTracer



IDEAL GROUND ADAPTATION

The SlopeTracer ensures that the snow groomer adapts perfectly to the slope profile. Depending on the configuration, you can either maintain, enhance or even out the existing profile.

SnowSat



KNOW WHERE THE SNOW IS

Our precision snow depth measurement helps you identify slope areas with small amounts of snow and snow reserves. With SnowSat LiDAR, you can even measure snow depths beneath, in front of and beside the vehicle, ensuring efficient operation and the highest quality in slope building.

Better slopes, less work

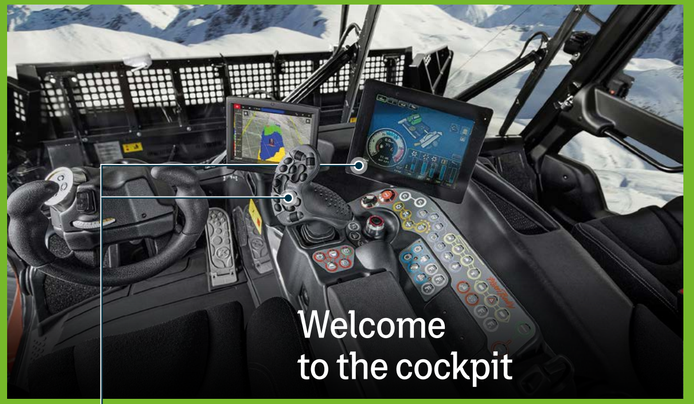
BETTER RESULTS AUTOMATICALLY

The unique, innovative Kässbohrer assistance systems support you in your daily work as an operator. Of course, it is no replacement for your experience and trained eye. However, it simplifies many tasks and helps you complete your duties even more efficiently and precisely.

COMBINED IMPLEMENT CARRIER FOR ANY SLOPE

The combined implement carrier is the all-in-one solution. Thanks to the SlopeTracer, it can follow the slope both in a straight line and by adapting to the terrain. In the process, the AutoTracer provides additional lateral stability and perfect tracking. This makes it a must-have system to create the ideal slope.





Welcome to the cockpit

INTUITIVE OPERATION

iTerminal with touch display and color-coded function feedback of the active vehicle parts for easy operation. Easy to read, easy to understand, easy to operate. Intuitive joystick with 4 axes for 4 simultaneous movements and the proportional actuation of the All Way Blade. Everything can be set individually with just one hand.

COMFORT AND ERGONOMICS FOR PERFECT OPERATION

The operator is the focus. Our cab achieves this principle with comfort, ergonomics and intuitive operation. Large windows, a perfect arrangement and ideal lighting provide great visibility, especially at night.

PistenBully®

The full range

PB **600** E+

EQUIPMENT FOR GREEN SLOPE MAINTENANCE:
The equipment of the PistenBully 600 E+ expand its range of applications and boost its slope-maintenance performance. Thanks to its innovative diesel-electric drive, intelligent energy management and high-performance attachments, every snow grooming operation is more efficient and environmentally friendly.

Product-Highlights

- Optimum power-to-weight ratio
- Long chassis
- Intuitive joystick for proportional control of 4 blade functions at the same time
- iTerminal with touch display
- Storage of 4 driving settings
- Precise, proportional auxiliary hydraulics
- Assistance systems for ideal results
- Rear implement carrier with vibration compensation
- Optimized comfort seats for long operations
- Practical holders for backpack, tool and smartphone
- The best panoramic view thanks to LED worklights, a rear camera & ramp mirrors – and much more.
- And much more

Optional

- Front high-pressure connection
- Harness
- Hydraulic oil preheating
- Infotainment with Apple CarPlay and Android Auto
- Folding side rail
- Tracking plates without track tillers
- ParkBlade 4.7 m
- ProMount
- NordicFlexTiller
- Snowsat fleet management
- Drive control stick
- Additional tank, 120 l
- And much more



Data sheet download

Impressive technical data
Want to know the details? Here you will find all the information on dimensions, weights, drive, cab, electrics, auxiliary equipment, equipment options and more.

Android Auto is a trademark of Google LLC. Apple CarPlay is a trademark of Apple Inc.

Sustainable slope management

SUSTAINABLE, OPEN TO TECHNOLOGY, INNOVATIVE
Today, Kässbohrer is the leading complete provider for sustainable slope management: From alternative drive concepts for our PistenBully to digital solutions with Snowsat and all the way to efficiency-boosting training courses in our ProAcademy, we offer you a one-of-a-kind package of intelligently networked products, services and processes.



PistenBully®

Our PistenBully machines have been in operation worldwide successfully for decades and they powerfully and efficiently ensure ideal parks and slopes. PistenBully is also the pioneer of the first diesel-electric snow groomer and the first all-electric PistenBully. In addition, all of our diesel-powered vehicles can be fueled with HVO fuel, which reduces CO2 emissions by up to 90%.

SnowSat

RESOURCE-CONSERVING SNOW MANAGEMENT

For many years, our SnowSat systems have provided ski areas around the globe with precise fleet and snow depth data to ensure time-saving and cost-effective park and slope building, maintenance and efficient fleet and ski resort management.

ProAcademy

WORKSHOP AND OPERATOR TRAINING

State-of-the-art systems offer significant efficiency gains – assuming everyone knows how to use them.
From operator training to technology training and SnowSat courses, our ProAcademy offers everything you need to make you faster, better and more efficient.

K-Service

365/24 SERVICE AND SPARE PARTS

Only those who actually work can be efficient and sustainable in their work. Avoiding accidents and providing fast and professional assistance when issues arise is the goal of our global, high-performance service network that provides assistance not only in the Antarctic, but also wherever you are. Fast, professional, hassle-free.

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PistenBully®

SnowSat | ProAcademy | K·Parts | K·Service | K·Finance

www.pistenbully.com

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