

PistenBully®

600 E+

OUR STATEMENT.

THE CLEANEST AND QUIETEST.



WE ARE ALWAYS
LOOKING TOWARD
THE FUTURE. AND
HAVE BEEN FOR A
LONG TIME NOW.

Kässbohrer has a long-standing tradition of sustainability. It is firmly anchored in our corporate strategy and shows the type of standards that we measure ourselves against: Acting responsibly with an eye toward future generations. Thinking comprehensively. Taking the lead with innovative solutions to set new standards and help in shaping the future.

Of course we are not the only ones who are focusing heavily on this area. However, we have proven again and again in the past that we're doing more than just talking about it. The best example is our PistenBully 600 E+. It demonstrates just how sustainable professional slope grooming can be here and now.

MAKING THE IMPOSSIBLE POSSIBLE.

Plenty of power. Lower emissions and less noise. Minimum 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 on the market.

By offering this vehicle, Kässbohrer is taking one more step in the right direction. The PistenBully 600 E+ is and remains a trailblazer on the way toward professional slope grooming that is both professional and sustainable. Featuring a durable, low-maintenance diesel-electric drive for enormous thrust even in the low speed range. Featuring 20% less fuel consumption for significant savings in the operating costs. Featuring 20% less noise and 20% less CO₂ emissions. A snow groomer for the ski area of tomorrow.

HIGHLIGHT

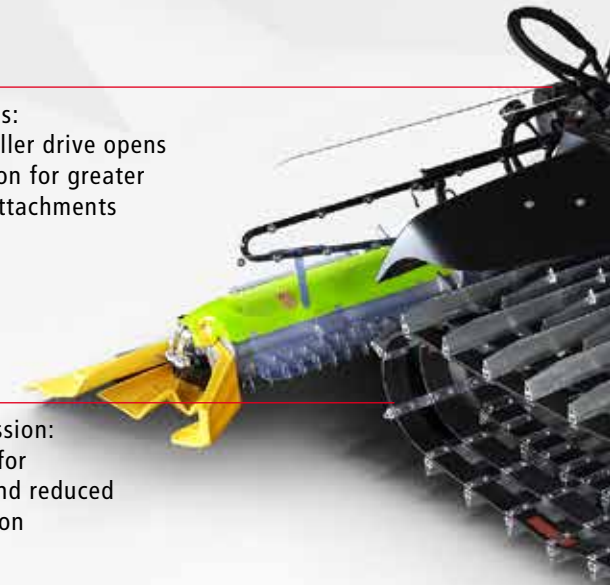
Attachments:
Hydraulic tiller drive opens up the option for greater variety in attachments

HIGHLIGHT

Power transmission:
Electric drives for recuperation and reduced fuel consumption

HIGHLIGHT

Chassis:
The highest drive torque and longest chassis guarantee the best thrust and climbing performance



THE IDEA BEHIND THE SUSTAINABLE PISTENBULLY 600 E+.



HIGHLIGHT

Operating concept:
iTerminal and 4-axis joystick
for intuitive operation

HIGHLIGHT

Drive:
The diesel-electric drive
complies with EU Stage V
for significantly reduced
emissions.

WINNER IN ALL CATEGORIES

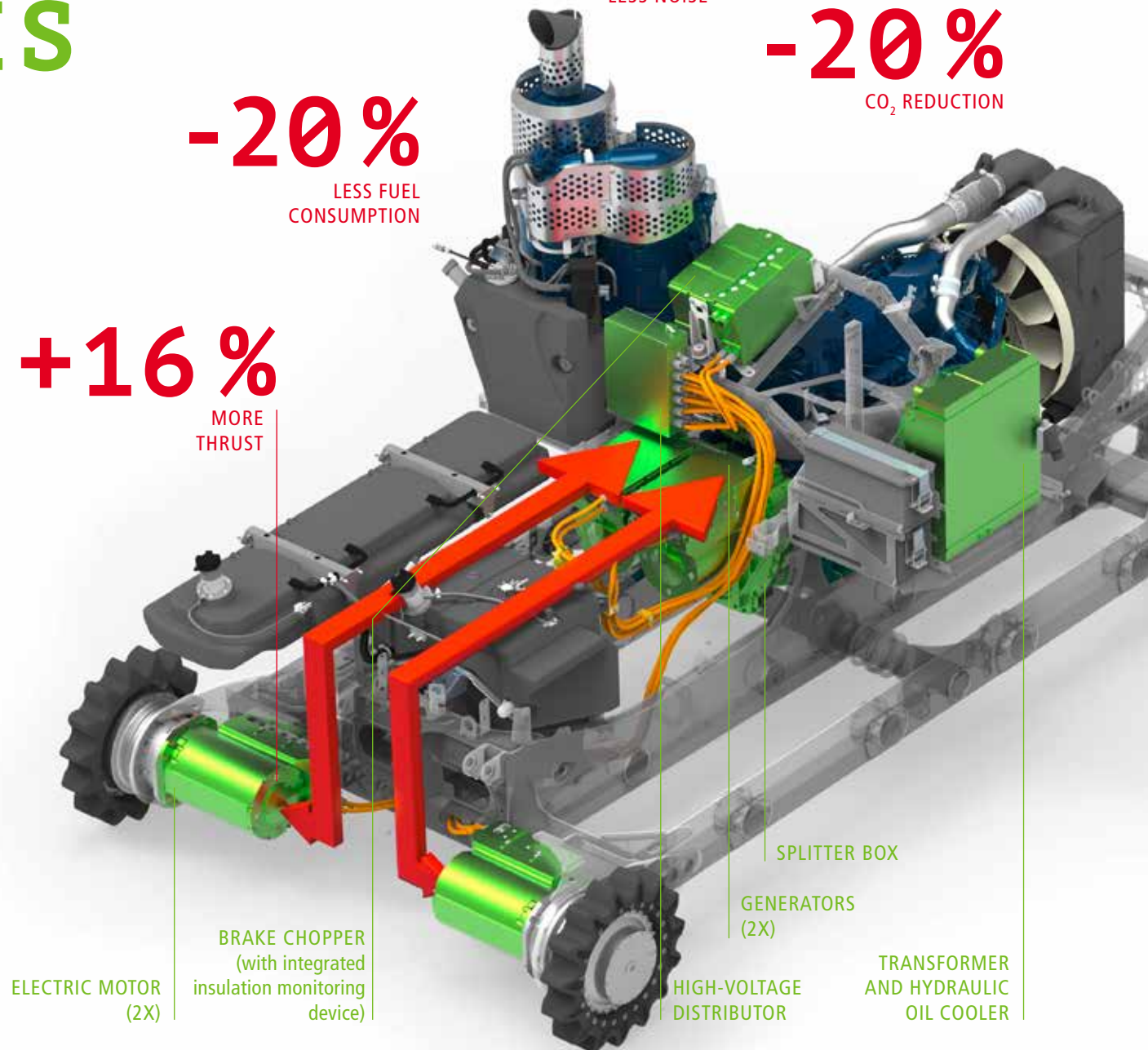
-20%
LESS NOISE

-20%
CO₂ REDUCTION

-20%
LESS FUEL
CONSUMPTION

+16%
MORE
THRUST

ENGINE	600 E+
TYPE	Cummins X12
NUMBER OF CYLINDERS	6
DISPLACEMENT	11.80 L / 11,800 cc
ECE POWER RATING	382 kW / 520 metric hp
VEHICLE EMISSION STANDARD	EU Stage V and EPA Tier 4F (USA)
MAX. TORQUE	2,375 Nm / 1750 lb ft 1,200 rpm
TANK CAPACITY	300 L / 79 gal
DEF TANK CAPACITY (ADBLUE®)	38 L / 10 gal
FUEL CONSUMPTION	as low as 17 L / h / 5 gal / h
GENERATORS	140 kW / 650 V
DRIVE MOTORS	140 kW / 650 V
TILLER DRIVE	105 cc



LESS NOISY. MORE EFFICIENT. MORE SUSTAINABLE. THIS IS WHAT A 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.

MAXIMUM POWER AT LOW ENGINE SPEED

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.

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 another 20% in comparison to the PistenBully 600 Polar! This also reduces the CO₂ emissions by 20%. And less consumption means more range.

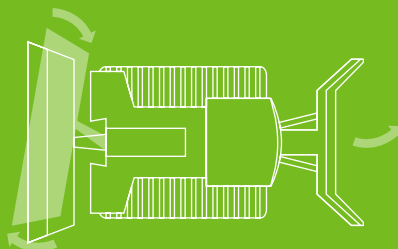
AUTOMATICALLY THE BEST SLOPE

06



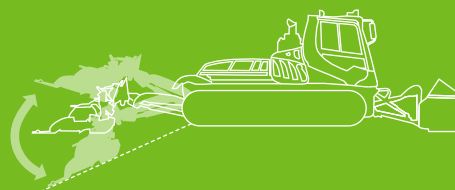
BETTER SLOPES. LESS EFFORT. WE KNEW YOU WOULD BE INTERESTED.

ASSISTANCE SYSTEMS



AUTOTRACER

Rear attachment carrier with smart, active steering assistance. Possible in both fixed position (locked) and floating position (released). Automatic steering support while cornering. Left and right. Automatic counter-steering on cross-slopes. Supports operators and lessens their workload.



SLOPETRACER

Intelligent control of the combined implement carrier. Can be used as a parallel implement carrier via software. Ensures ideal ground adaptation of the tiller on hilly terrain and automatically adjusts the tiller depth when making uphill and downhill passes. Simplifies operation and makes very large movement radii possible.

In addition to these innovations, there are a whole array of additional assistance systems ensuring the easiest possible operation of the PistenBully 600 E+.

OPERATION



INTUITIVE OPERATION

iTerminal with 10-inch display and touch control. Easy to read, easy to understand, easy to operate. Ergonomic double-joint joystick freely movable in all directions. 4 axes for 4 simultaneous movements and the proportional actuation of the all way blade. Everything can be set individually with just one hand.

EACH COMPONENT IS A HIGH-END PRODUCT. THE KEY FORMULA FOR IDEAL SLOPES.



OPTIMIZED ALL WAY BLADE

Stronger snow screen with integral snowgun mount. Stronger mountings on the blade wings. Upgraded hydraulic cylinders. The All Way Blade has been further optimized. For more stability. Better power transmission and rolling characteristics. And even more versatility on the job. The All Way Blade: for precision, effortless slope preparation. With the most thrust available on the market.



TRACKS FOR ANY JOB

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

- Rubber profile track X-Track with 975 mm / 38 in width: for forestry, meadowland and moorland work without damaging the ground.
- Steel track with 1,648 mm / 65 in width: for extreme jobs on steep terrain and on icy or rocky surfaces.
- Kombiplus track with 1,648 mm / 65 in width: the most advanced track and also the most successful one worldwide. Provides the best climbing performance on the market.

STANDARD EQUIPMENT



OPTIMIZED ALPINFLEX TILLER

The hydraulically driven AlpinFlex Tiller is designed to provide ideal slope quality even under extreme conditions. Innovative shape and arrangement of the tiller teeth. Built-in LED lighting. Memory function for saving and calling up all settings. In the "AlpinFlex Tiller Comfort" version: with hydraulic locking of the tiller halves and hydraulically foldable side finishers. Also equipped with camera. For maximum convenience.

OPTIONAL EQUIPMENT

TECHNOLOGY AND ENGINE

- ⊕ Trailer hitch
- ⊕ High-pressure connection for hydraulic front attachments
- ⊕ Charge pressure reduction
- ⊕ Stick control with power potentiometer for temporary increase of the engine speed
- ⊕ Hydraulic oil preheating
- ⊕ Organic hydraulic oil

ATTACHMENTS AND BODY

- ⊕ Various quick-change systems
- ⊕ Front high pressure
- ⊕ AlpinFlex Tiller Comfort
- ⊕ Track setter unit for grooming 2-lane, 3-lane and 4-lane cross-country ski run

CAB AND COMFORT

- ⊕ Premium sound package with sub-woofer from Alpine and amplifier

SNOWSAT

Professional slope and fleet management system. With satellite-controlled positioning for precision measurement of snow depth. Enables high savings in snowmaking and operating overheads. For more efficiency and safety in slope grooming.

- ⊕ High data availability throughout the ski area
- ⊕ Real-time display on the touch-screen on board the vehicle
- ⊕ Conserves machine-made snow due to precise on-demand production
- ⊕ Optimized routing for less fuel consumption
- ⊕ Optimization of the entire work sequence to save time
- ⊕ SNOWSAT ready: System is also available for retrofitting in all vehicles

PISTENBULLY. FOR THE SNOW OF TOMORROW.

PROVIDING QUALITY, RELIABILITY AND PARTNERSHIP SINCE OUR INCEPTION.



The Kässbohrer name is synonymous with passion for engines, machinery and technology. Our success is fundamentally based on the following principles: close collaboration with our customers, passion and a team of experts. A PistenBully is and will always remain something very special. It is full of new ideas, technologies and solutions that make it the efficient machine you want on your slopes. You can rely on the "Made in Germany" quality of our products. And on the fact that we place a great deal of value on sustainability and responsible treatment of people, the environment and resources.

With our BLUE IQ corporate strategy, we are working together with our customers to shape the future comprehensively and actively. As a world market leader, we believe that technological innovations must be integrated into comprehensive concepts. This is why our view of development is not limited to technological aspects. We also give due consideration to economical, ecological and social factors. The result is a portfolio with products that are appropriately matched to each other. For greater customer benefit, higher efficiency and a better environment.

ALL-AROUND SAFETY. FOR SMOOTH SLOPE OPERATION.

01 RESPONSIBILITY TO PEOPLE AND THE ENVIRONMENT

With our BLUE IQ corporate philosophy, we accept, through many other aspects, responsibility for a better future of winter sports.

► www.kaessbohrerag.com/en/blueiq



02 SERVICE 365 / 24

Being there when we're needed: Thanks to our worldwide service network, we guarantee the deployment of technicians and spare parts within 24 hours.

► www.pistenbully.com/en/service

03 SLOPE AND FLEET MANAGEMENT

Utilize every potential for optimization: The professional slope and fleet management system with snow depth measurement and many more features uses resources economically and ensures significant cost savings.

► www.snowsats.com



05 WORKSHOP TRAINING AND OPERATOR TRAINING

For slope management that is efficient and treats resources gently: The training concept includes everything you need to know about the machine and professional slope grooming and is not manufacturer-specific.

► www.proacademy.info



04 QUALITY SPARE PARTS

Checked safety and total reliability: The high availability of our original spare parts maintains the value of the vehicle and minimizes downtimes. In every situation, our customers can rely 100 percent on our products made in Germany.

► www.pistenbully.com/spare-parts



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