




With a wide choice of different caterpillar tracks and a powerful engine, the Pistenbully snowcat can cope with any conditions.

A close-up photograph of a snowcat's tracks and wheels. The tracks are made of heavy-duty metal with large, pointed cleats. The wheels are large, dark, and have a textured surface. The background is slightly blurred, showing more of the machine's structure.

Off slope activities

# When winter ends

You might think that Pistenbully snowcats have an easy life. Sure, they have to work hard in the winter – but what about the summer? Then they can just park up and enjoy the view, can't they? Not by a long chalk. Many “retirement age” Pistenbully snowcats start a “second career” in the summer. They bulldoze great mounds of mud, work in forests, in the fields, in vineyards or dig turf. And whatever they are doing, an enormously powerful engine drives them on.

A Pistenbully snowcat on winter duty clearing paths and tracks. It can make use of additional equipment such as all-way blade, snow thrower, snow blower and various ski-track preparation attachments for the purpose.



A Pistenbully snowcat on summer duty with flail mower and tipper body.



A Pistenbully snowcat on an oyster farm? Admittedly it is an exception, even for a Pistenbully. But the idea that they spend their time smoothing the ski paths in the late afternoon with their spotlights glaring and warning lights flashing is only half the truth. Pistenbully snowcats are genuine allrounders. When they have finished their duties on the ski slopes, other jobs await them. In next to no time the interchange systems can be replaced by attachment plates or three-point hitches and the Pistenbully is ready for its summer job. Then it can work as a wetland mower or forest mulcher. It can spread muck or drill holes for planting, cut turf, recultivate landfill sites and prepare fish and prawn lakes for the next rearing season. Or even lay out the oyster beds at low tide. For all of those tasks there are a variety of attachments available such as for muck spreaders, earth augers or ditch cutters. The front interchange system allows the Pistenbully to be fitted with the various

mowers and mulchers or other special attachments. Equipped with the front or rear three-point hitch, other implements can also be attached and driven by a PTO shaft.

**Anything is possible**

If there was ever a vehicle to which that well-worn phrase could be genuinely applied, then it is the Pistenbully. Wherever the terrain is tough and the conditions extreme, it is exactly the machine you want. The Pistenbully doesn't slide down, sink in or get stuck – be it on ice or marshland, in the forest or on ski slopes. It masters the steepest gradients and copes easily with the most extreme inclines. With its powerful MTU engine, which develops massive torque even at low revs and so gives the vehicle powerful acceleration, it can shift all sorts of heavy bulk – whether snow, sand, mud or silage. And it can be used in any kind of wind and weather.

Pistenbullies have many advantages. One of them is their low center of gravity. Another is their extraordinary agility. With its contra-rotating tracks, a Pistenbully can literally turn on the spot. The even weight distribution over the entire track contact area also makes the Pistenbully the perfect allrounder. It means the pressure on the terrain surface is so small that the Pistenbully can easily drive over deep snow or marshy ground without sinking in. Since more and more farmers are also becoming energy producers by running biogas plants, Pistenbullies are seen increasingly frequently on farms as well. Because they are absolutely perfect for loading grain or grass silage into the trench silos of the biogas plant. The Pistenbully's X-Tracks enable it to move easily over the surface without sliding away or tipping over. So it can spread the silage

**Kässbohrer**

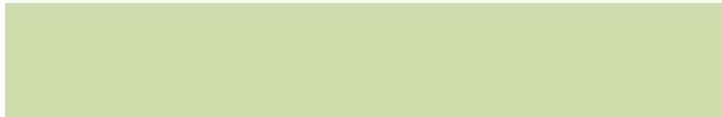
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The Pistenbully is made in Laupheim in the Swabian region of South Germany. That is where the manufacturers Kässbohrer, previously based in the city of Ulm, are now located. The product range of Kässbohrer Geländefahrzeug AG encompasses the Pistenbully family, beach management equipment and specialized working and forwarding vehicles for use on difficult terrain. With a market share of over 60 percent, the Pistenbully is the world-leading ski-slope preparation and snowboard park landscaping vehicle. In the financial year 2008/2009, the company registered record sales of 195.4 m euro.





Because of its low surface pressure characteristics, the Pistenbully doesn't sink in even on marshy ground.



- 1 The Pistenbully 300 GreenTech is a universal machine for turf cutting.
- 2 There were even Pistenbullies in action at the 2010 Winter Olympics in Vancouver.
- 3 No gradient too steep. The Pistenbully 600 with winch preparing a steep slope.
- 4 The Pistenbully is a farmer's favorite for mowing jobs as well.
- 5 The Pistenbully 300 GreenTech is ideally suited to loading silage into biogas plant silos.



With its special attachment kinematics, the Pistenbully 600 Park is extremely maneuverable. The front and rear attachments can be operated simultaneously.

evenly up to the side walls and into the corners. At the same time, the silage is ideally compacted by the large track surface area – especially if the vehicle is driven repeatedly over the same area to create a settling effect.

**Light, powerful and compact**

All that is made possible because Pistenbullys are driven by very powerful but lightweight engines that develop high torque right from the lower end of the power band. The engines are also distinguished by excellent fuel economy, ease of maintenance and longevity. MTU supplies 295kW units for the Pistenbully 600 and 4-cylinder 145kW units for the Pistenbully 100 AllSeason. The Pistenbully 300 GreenTech is also powered by an MTU engine – the Series 926 which produces 240kW.

**An absolute delight to drive**

Insert the ignition key, press the start button and off you go. The Pistenbully skips over the terrain, spins around in a circle seemingly without effort, slaloms in and out, climbs up and down at an unerringly even tempo, responding precisely to every command from the driver. And extreme gradients are no problem either. A special sump means that the engines remains reliably provided with oil even at a slope of 100 percent.

Sitting in the driver’s seat you have plenty of space and everything clearly in view. All functions are controlled by a joystick. The half-circle steering wheel is reminiscent of an aircraft to the lay person. The experts know that track-driven vehicles are steered by the relative speed of the tracks on each side. The

greater the speed difference between the tracks, the sharper the turn. If the track on one side is reversed, the vehicle turns around on the spot. Even with its implements lowered, the shiny red work-horse won’t be stopped by anything or anybody. It can shove tonnes of material along without losing any speed. What is more, it leaves no trace of damage even when driving over the most delicate ground such as wetlands – later on there is not even a tire mark to be detected. And thanks to the low-emission engines, the smell of the forest and heath is untainted, and the crisp air of the ski slope remains as clean as it was before.

**MARTINA SCHWENDEMANN**

*To find out more, contact:*  
Dietmar Wetzel  
dietmar.wetzel@mtu-online.de  
Tel. +49 7541 90-7033

**Technical data**

	<b>Pistenbully 100 AllSeason</b>	<b>Pistenbully 300 GreenTech</b>	<b>Pistenbully 600</b>
Engine	4R 924	6R 926	6R 460
Capacity	4,800 cm <sup>3</sup> / 4.8 l	7,200 cm <sup>3</sup> / 7.2 l	12,800 cm <sup>3</sup> / 12.8 l
Power output to ECE	145 kW	240 kW	295 kW
Max. torque	705 Nm at 1,200 rpm	1,300 Nm at 1,200–1,600 rpm	1,900 Nm at 1,300 rpm
Cylinder bore	106 mm	106 mm	128 mm
Cylinder stroke	136 mm	136 mm	166 mm
Speed	max. 25 kph	max. 21 kph	max. 23 kph
Unladen weight (vehicle)	from 3,400 kg	from 6,700 kg	8,045 kg

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