



PistenBully 100

The multiple-talent

PistenBully®

www.pistenbully.com

One PistenBully – lots of different jobs.



The PistenBully 100 is a real all-rounder fully able to demonstrate its abilities in widely differing terrain. Its specialities: Nordic ski trails, small ski slopes and cross-country hiking-trails, drag-lift and sled tracks and snowmobile trails. But a true multiple-talent can do much more besides, and the PistenBully 100 comes in many different guises. The PistenBully 100 *Indoor* is the ideal vehicle for grooming of indoor slopes. The PistenBully 100 *AllSeason* goes out and about whenever landscape grooming is the name of the game. The PistenBully 100 gets that multi-functional versatility from its modular principle: you can pick the vehicle width to suit, choose the auxiliary equipment you want powered off the universal interface, and select from the comprehensive range of accessories.

Proven quality just got even better.

PistenBully has been a byword for excellence for 40 years and more. The vehicles meet and beat customer wishes and requirements for leading technology. The PistenBully 100 is an evolved design fully in line with this philosophy. This hardy newcomer scores with more power, more versatility, more comfort and more engineered design.





Power matters: The new engine.



The PistenBully 100 now boasts a more powerful engine and advanced tuning. The Mercedes-Benz OM 924 LA has a displacement of 4,820 cc and develops 197 hp of trail-grooming power – and optimised tuning makes all that power available at higher torque even though the engine turns at the same low speed. The net result is a hard-working vehicle operating at low fuel consumption. You gain from more cost efficiency. The environment benefits from lower emissions.

Even more functionality.

Development down to the last detail. That's the PistenBully 100. Three new advances make it even more functional than its predecessor:

- Bigger track contact area plus upgraded running gear make for even better climbing ability and more smoothness.
- Track tensioning is hydraulic.
- Newly developed Nordic-trail track-setting pans put down perfect cross-country skiing-trails.



Workplace design because you have earned it!

You expect the best from a PistenBully, and like its big brothers the PistenBully 400 and PistenBully 600, the PistenBully 100 meets all your expectations for performance, comfort and ergonomics.

Numerous features make the PistenBully 100 a great place to go to work. The driver's cab is spacious. The air-sprung driver's seat and the ergonomically optimised accelerator are perfect for fatigue-free working shifts. The large heated windscreen, rear and side windows give you a great view all round, and when darkness closes in you have the brightness of xenon and halogen lights for getting the job done. Operator convenience and precision both benefit from the revised electrics for control of the tiller and the trail trackers, and the tiller-depth indicator is a very useful item of equipment. The standard convenience features of the PistenBully 100 also include a mobile-phone holder, radio with USB interface, and heated wipers.





The cockpit of the PistenBully 100 looks good and the controls are right where they are needed.



The accelerator adapts ergonomically for fatigue-free driving.



The armrest supports the driver's arm for fatigue-free operation of the front- and rear-mounted auxiliary attachments.



A successful combination of modern design and optimised functionality: the cloth headliner with improved thermal and acoustic insulation.

Good reasons for choosing a PistenBully 100!



Perfect lighting: The powerful headlights throw bright working light all round the vehicle. Heated wipers clear the screen even in the worst of weather conditions.



The xenon working light gives the driver full illumination of the work zone.



The SnowCutter effortlessly chops up ice into innumerable tiny fragments. Then the tiller turns

the material back into a skiable slope. All in a single process.



Hydraulic track tensioning for more operator convenience. The running gear is designed for even better climbing ability and more smoothness.



The brush-guards protect the windscreen and the headlights from whipping branches.



At home in the great indoors.



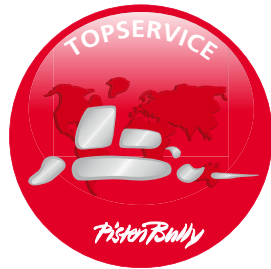
This superb outdoor multiple-talent is also available complete with everything you need to work indoor ski runs. The PistenBully 100 *Indoor* is quiet. It features an integrated exhaust filter system and a soot filter, so it works to low-emissions standards. And it has another ability that makes it perfect for indoor grooming: manoeuvrability – the specialist for enclosed spaces puts maximised handling precision together with tremendous power for working those long and characteristically narrow indoor ski runs. And of course the steel supporting structures for those runs are light, so the machinery for grooming cannot be all too heavy. This is another requirement effortlessly met by the PistenBully 100 *Indoor*.

Integrated exhaust filter system and soot filter.

A convinced lover of nature.

PistenBully 100 *AllSeason*. The name says it all. This is a vehicle built to work all year long. Different sets of tracks maximise versatility for changing terrain. The nature-lover is equally at home in wetlands or forest and in highly sensitive ecosystems. All landscaping and agricultural machinery with category 2 three-point attachment can be towed. Trenchcutters and furrowers, hole diggers, fertiliser spreaders and tank sprayers are some of the bodies that can be mounted on the load platform of the PistenBully 100 *AllSeason*.





The all-round, carefree package.

Wherever you are, our service is always available. With more than 130 service facilities and local representations worldwide, rapid support and spare parts supply are guaranteed 24 hours a day, 7 days a week and 52 weeks a year. In addition, a highly efficient concept comprising training, consultancy, communication and exchange of experience ensures your independence above all else. We have gone for a service concept that incorporates you. A partnership with the promise of success. You and us.



And those who know us also know that PistenBully are not only low on service; they are also high on economy. In development, we have already tackled the need for outstanding performance, long lifetime and low ongoing costs. A PistenBully pays. Today, tomorrow and beyond.

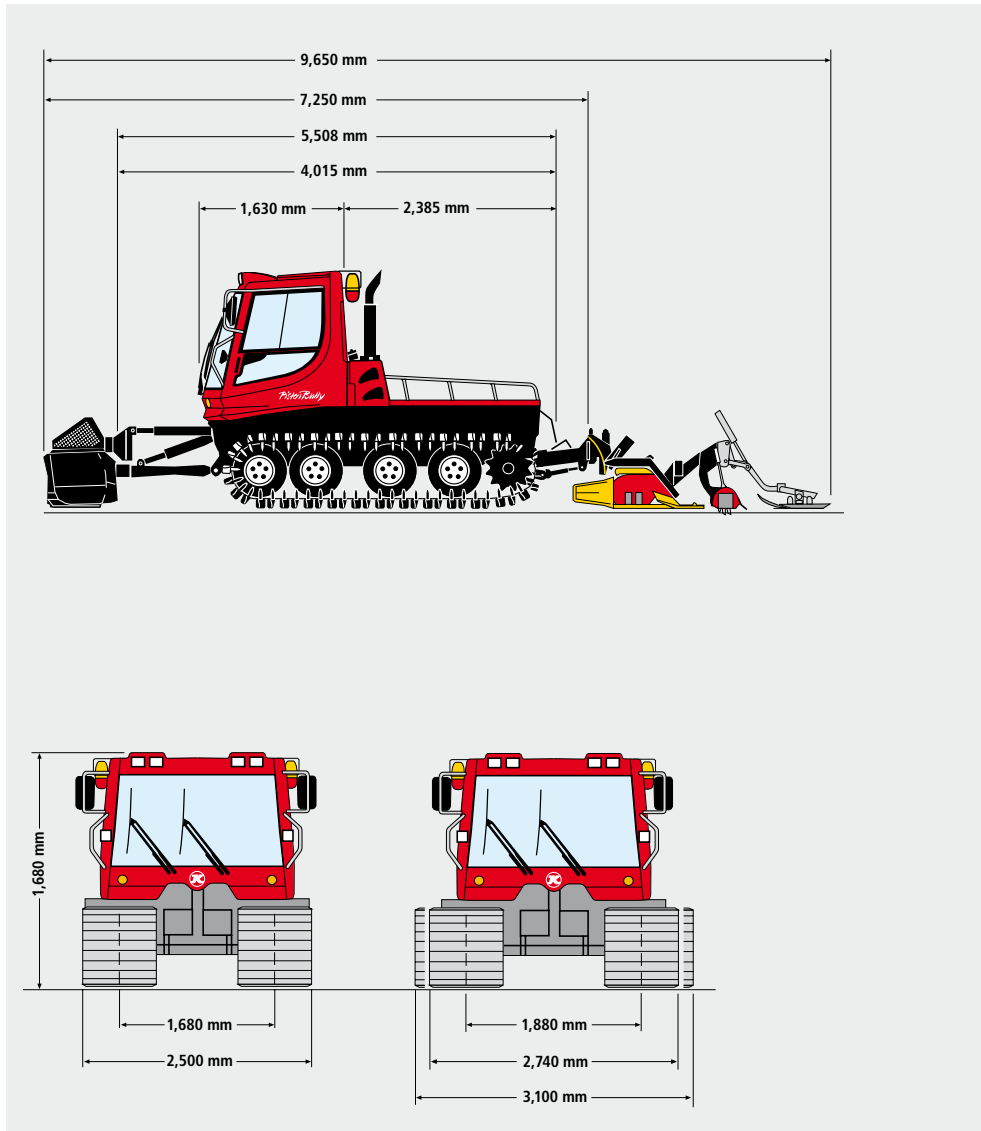
PistenBully 100 / PistenBully 100 Indoor / PistenBully 100 AllSeason

Track width	1,680 mm/66"	1,800 mm/71"	
Dimensions			
Width over combined tracks	2,500 mm 98"	2,740 mm 108"	3,100 mm 122"
Width over steel tracks	2,500 mm 98"	2,740 mm 108"	–
over tiller with intermediate flaps*	3,570 mm 141"	3,870 mm 152"	4,170 mm 164"
Height with cab tilted	3,020 mm 119"		
Overall height	2,500 mm 98"		
Ground clearance	320 mm 13"		
Loading surface, tiltable (L x W)	1,620 x 1,920 mm	64" x 76"	
Weight			
Unladen weight with combined tracks	3,600 kg 7,900 lbs.	3,700 kg 8,100lbs.	3,800 kg 8,400 lbs.
Unladen weight with steel tracks	3,700 kg 8,157 lbs.	3,800 kg 8,400 lbs.	–
Permissible gross weight incl. additional equipment	5,200 kg 11,464 lbs.		
Payload on loading surface without additional equipment	1,000 kg 2,205 lbs.		
Performance data			
Speed, continuously variable	0 – 25 km/h	0 – 16 mp/h	
Specific ground pressure with combined tracks	0.066 kg/cm ² 0.94 psi	0.059 kg/cm ² 0.84 psi	0.051 kg/cm ² 0.71 psi
Specific ground pressure with steel tracks	0.068 kg/cm ² 0.97 psi	0.061 kg/cm ² 0.87 psi	
Ground coverage (with snowtiller)	37,500 m ² /h 44,850 yd ²	41,000 m ² /h 49,040 yd ²	44,500 m ² /h 53,222 yd ²

* over snow tiller and flaps (intermediate flaps demounted)

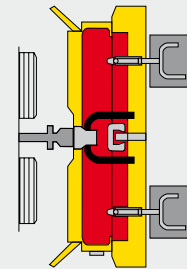
Over snow tiller and hydraulically foldable side flaps (optional)

Engine	
Typ	Mercedes-Benz OM 924 LA with electronically controlled unit injection system UIS (EUROMOT 3A, EPA TIER 3)
Cylinders / Displacement	4 / 4,820 cc 294 cu. in.
ECE power output	145 kW (197 hp) at 2,200 rpm
Max. torque	705 Nm /1,200 – 1,600 rpm
Fuel consumption from	8.5 l / h
Tank capacity	150 l
Brakes	
Wear-free braking by hydrostatic drive	
Two multi-plate brakes as holding brakes	
Electrics	
Low-voltage system	24 V
Alternator	28 V / 100 A
Batteries	2 x 12 V / 92 Ah
Cold-start power	395 A
Additional equipment	
Front	Quick-mount system with all-way-blade (optional 2.7 or 3.1 m), SnowCutter, front renovator, front tiller blower
Rear	Pivoting rear equipment carrier with quick-mount system, positionable centred, floating or to either side, lifts clear automatically for reversing, contact pressure and tiller depth adjustable, tiller stop when lifted clear, snow tiller, rear-mounted tiller comb, towing hitch
Superstructures	Passenger cabin for 5 or 8-10 persons

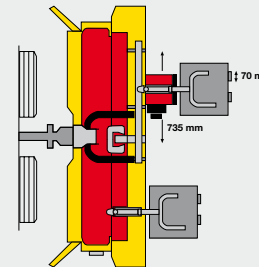


Track-setting equipment

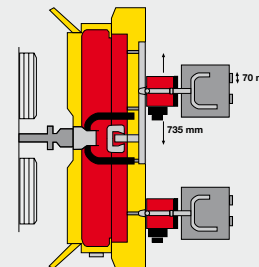
Double track-setting pans



VarioTrackDesigner "Competition"



VarioTrackDesigner "Classic"



SnowCutter

Technical Data	
Working width	2,700 mm 106"
Weight	approx. 260 kg 573 lbs.

Uses

The SnowCutter is used for ripping up icy, hard sections of the ski slopes and for re-newing lift tracks. It is used in combination with the U-blade and the All-Way Blade.

How it works

The pivot rams push the comb down. Hard, icy and crusted snow is broken up into chunks. The tracks of the advancing groomer fragment these chunks. The tiller then grooms the slope. The comb retracts automatically if it comes into contact with rocky ground. Positioning is hydraulic with the quick-change system and is controlled by the joystick.

Details

The SnowCutter is an adapter between the quick-change system and the All-Way blade and is designed for easy installation and removal. The sturdy comb is made of hard-wearing steel. It is light in weight, so it does not have to be removed even if use is only occasional.

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