



PistenBully 100

The all-rounder.

www.pistenbully.com

PistenBully®

One PistenBully – many fields of application.



The PistenBully 100 is an all-rounder which shows its strengths on different terrains. Without any effort, it prepares cross-country ski runs, smaller slopes, winter hiking trails, drag lift or sledge tracks as well as snowmobile trails. This all-rounder creates optimum conditions for top athletes as well as beginners.

What is more: As the PistenBully 100 *Indoor* it is the ideal vehicle for slope preparation in indoor ski centres. The PistenBully 100 *AllSeason* masters manifold tasks of landscaping. The PistenBully 100 owes its multi-functionality to a modular system: It can be exactly adjusted to individual requirements with different vehicle widths, a universal interface for attachments as well as various accessories.





Fewer emissions. More climbing power.



The PistenBully 100 now offers a new drive technology: Powerful, a torque with much grunt, but still low in emissions. The 150 kW (204 hp) -strong Mercedes Benz engine with SCR technology reduces the effects of fuel emissions – in particular those of nitrogen oxides (NO_x) and fine dust – on the environment. Thus the PistenBully 100 fulfils the strict EU stage 3B (TIER 4i)* emission regulations of the year 2011.

More axles. Smoother running.

Well-thought-out down to the last detail. This is what PistenBully 100 also stands for. The new model has been equipped with an additional running axle which offers many advantages:

- improved climbing power
- smoother ride
- optimised weight distribution
- less snow build-up between the tires
- improved cornering and comfort behaviour



*At the moment we also still offer the PistenBully 100 with the EU stage 3A (TIER 3) emission regulation.

A workplace that sets standards.

Just as you would expect from a PistenBully, the PistenBully 100 is in no way inferior to its “bigger brothers” PistenBully 400 and PistenBully 600 as far as power, comfort and operation are concerned.

Many features make the PistenBully 100 a desired workplace: The operator’s cab has been generously dimensioned. The air-suspended seat, the adjustable armrest, the ergonomically formed joystick and the steering wheel promise non-tiring working. Large-scale heatable front, rear and side windows open the view to the slopes. In darkness, they are optimally lighted with LED and halogen lamps. The revised electrical system for the control of the tiller and the track-setters as well as the tilling depth display offer even more operational comfort and even more precise working. Further serial-type comfort features of the PistenBully 100 are a mobile phone holder, a radio with USB connection as well as heatable wind-screen wipers.





The ergonomically formed seat ensures comfortable working. It can be individually adjusted to each driver.



The Powerbeam 1000 LED work headlamps as well as the additional halogen lights at the front and the back provide perfect illumination of the work area.



All important functions are integrated in the ergonomically formed joystick.



Always handy: The mobile phone in the functional mobile phone holder.



The armrest supports the arm and contributes to non-tiring operation of the additional front and rear accessories.



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

Optimally suited for many tasks and different applications: The accessories.

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.



Technical Data

Working width	2,700 mm
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.

Track-setting equipment

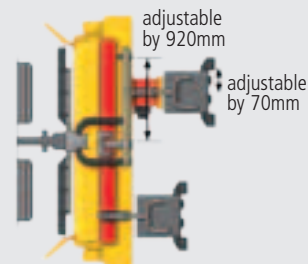
Double track-setting pans



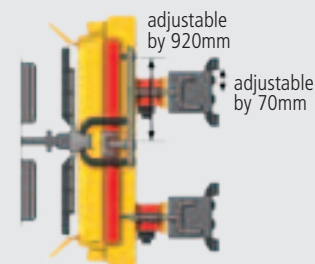
Triple track-setter



VarioTrackDesigner "Competition"



VarioTrackDesigner "Classic"



PistenBully 100 track-setters mean perfectly prepared ski runs for leisure or competitive sport. Operators of ski resorts value its high

flexibility, its precision as well as the easy maintenance. With more than 1,800 units, the PistenBully track-setters are among the most sold world-wide.



Also at home inside: **PistenBully 100 *Indoor*.**



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.

Nature lover: 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 PistonBully 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 PistonBully pays. Today, tomorrow and beyond.

PistenBully 100 / PistenBully 100 Indoor / PistenBully 100 AllSeason

X-Track chain	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 X-Track chain	2,480 mm / 97.6"	2,830 mm / 101.4"	—
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)	1,740 x 1,920 mm / 68,5" x 76"		

*over snow tiller and flaps

(intermediate flaps demounted)

Over snow tiller and hydraulically
foldable side flaps (optional)

3,100 mm / 122" 3,400 mm / 134" 3,700 mm / 146"

4,440 mm / 175" 4,740 mm / 187" 5,040 mm / 198"



Weight 3B engine technology			
Unladen weight with combined tracks	4,040 kg / 8,907 lbs	4,080 kg / 8,995 lbs	4,145 kg / 9,138 lbs
Unladen weight with X-Track chain	4,155 kg / 9,160 lbs	4,200 kg / 9,259 lbs	—
Permissible gross weight incl. additional equipment	6,200 kg / 13,668 lbs		
Capacity of loading area without accessory units	1,500 kg / 3,300 lbs		

Weight 3A engine technology			
Unladen weight with combined tracks	3,930 kg / 8,664 lbs	3,970 kg / 8,752 lbs	4,035 kg / 8,895 lbs
Unladen weight with X-Track chain	4,045 kg / 8,917 lbs	4,090 kg / 9,017 lbs	—
Permissible gross weight incl. additional equipment	6,200 kg / 13,668 lbs		
Payload on loading surface without additional equipment	1,500 kg / 13,300 lbs		



3B-Engine	
Typ	Mercedes-Benz OM 924 LA with electronically controlled unit injection system PLD (EUROMOT 3B, EPA TIER 4i)
Cylinders / Displacement	4 / 4,820 ccm
ECE power output	150 kW (204 hp) at 2,200 rpm
Max. torque	800 Nm / 1,200 – 1,600 rpm
Fuel consumption	from 8.5 l / h
Tank capacity	150 l
Tank capacity AdBlue	25 l

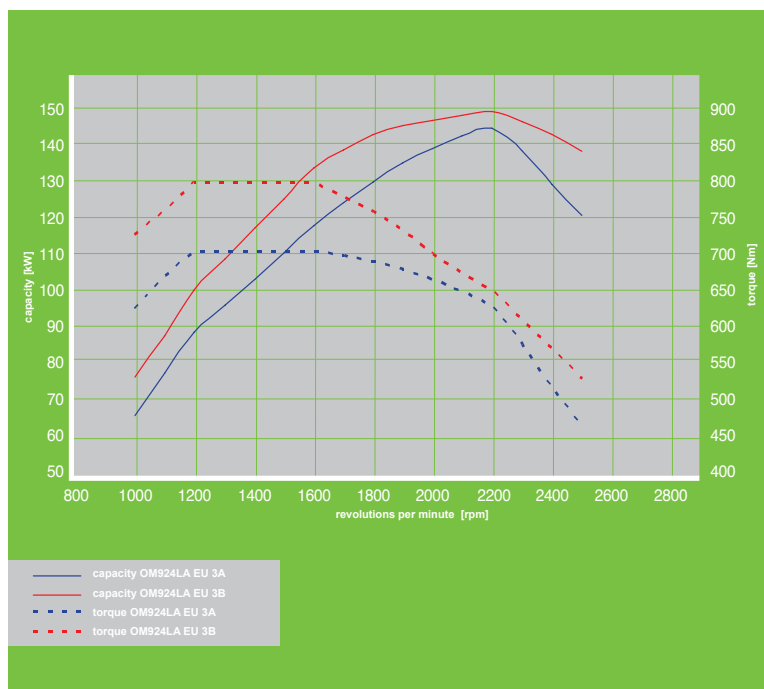
3A-Engine	
Typ	Mercedes-Benz OM 924 LA with electronically controlled unit injection system PLD (EUROMOT 3A, EPA TIER 3)
Cylinders / Displacement	4 / 4,820 cc 294 cu. in.
ECE power output	145 kW (197 hp) at 2,200 rpm
Max. torque	705 Nm / 1,200 – 1,600 rpm
Fuel consumption	from 8.5 l / h
Tank capacity	150 l



Operation data 3B engine technology	
Speed, continuously variable	0 – 25 km/h / 0 – 15 mp/h
Spec. earth 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 / 0.72 psi
Spec. earth pressure with X-Track chain	0,068 kg/cm ² / 0.97 psi 0,061 kg/cm ² / 0.87 psi
Ground coverage (with tiller)	37,500 m ² /h / 9.23 yd ² 41,000 m ² /h / 10.13 yd ² 44,500 m ² /h / 10.99 yd ²

Operation data 3A engine technology	
Speed, continuously variable	0 – 25 km/h / 0 – 15 mp/h
Spec. earth pressure with combined tracks	0,054 kg/cm ² / 0.77 psi 0,061 kg/cm ² / 0.87 psi 0,073 kg/cm ² / 1.04 psi
Spec. earth pressure with X-Track chain	0,063 kg/cm ² / 0.90 psi 0,071 kg/cm ² / 1.01 psi
Ground coverage (with tiller)	37,500 m ² /h / 9.23 yd ² 41,000 m ² /h / 10.13 yd ² 44,500 m ² /h / 10.99 yd ²

Capacity and torque of OM 924 LA EU stage 3A compared to EU stage 3B



The new engine periphery with 150 kW (204 hp) engine capacity and a higher torque level are both aspects in favour of the PistenBully 100, as well as its low-emission SCR technology.

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, track setter

Superstructures

Passenger cabin for 5 or 8-10 people

Brakes

Wear-free braking by hydrostatic drive
Two multi-plate brakes as holding brakes



For more information:



Kässbohrer Geländefahrzeug AG

Kässbohrerstraße 11, 88471 Laupheim

Phone: +49 (0) 73 92/9 00-0, Fax: +49 (0) 73 92/9 00-4 45

www.pistenbully.com, E-Mail: info@pistenbully.com

Austria

Gewerbestraße 173, 5431 Kuchl

Phone: +43 (0) 62 44/4 00 10, Fax: +43 (0) 62 44/40 01 11

www.pistenbully.at, E-Mail: office@pistenbully.at

Switzerland

Bruneggerstraße 45, 5103 Möriken

Phone: +41 (0) 62/8 87 70 50, Fax: +41 (0) 62/8 87 70 51

www.pistenbully.ch, E-Mail: info@pistenbully.ch

Italy

Via Galileo Galilei, 32, 39100 Bolzano

Phone: +39 04 71/93 30 27, Fax: +39 04 71/93 29 75

www.pistenbully.it, E-Mail: info@pistenbully.it

France

Kässbohrer E.S.E.

455 Route des Marais, ZAC Portes de Tarentaise, 73790 Tours en Savoie

Tél. : +33 (0) 479 10 46 10, fax : +33 (0) 479 10 46 40

www.pistenbully.fr, E-Mail: info@pistenbully.fr

USA

Kässbohrer All Terrain Vehicles Inc.

750 A South Rock Boulevard, Reno Nevada 89502

Phone: +1 (0) 7 75/8 57 50 00, Fax: +1 (0) 7 75/8 57 50 10

www.pistenbullyusa.com, E-Mail: contact@pistenbullyusa.com



KÄSSBOHRER GELÄNDEFahrZEUG AG

