

## PistenBully 100

The multi-talent for cross-country, slope and indoor preparation



PistenBully®

# Quality Made in Germany

A PistenBully is and remains something special. It encompasses new ideas, technologies and improvements that make it an efficient, safe and user-friendly partner on the slopes. You can rely on the quality of our products made in Germany. And on the fact that sustainability and a responsible approach to people, the environment and resources are an integral part of our philosophy. We use this philosophy to manufacture vehicles that have a concentrated charge of passion and innovation.

As a result, a PistenBully doesn't just do its job. It impresses! That is and remains our standard.



Jens Rottmair  
Chief Executive Officer

Michael Kuhn  
Head of Development

Jens Rottmair  
Chief Executive Officer





# PistenBully 100

## The multi-talent for cross-country, slope and indoor preparation

The PistenBully 100 demonstrates its strengths on different terrains. It effortlessly prepares cross-country ski tracks, small slopes, winter hiking trails, drag lift or sledge tracks and snowmobile trails. The multi-talent creates optimum conditions for winter sports – and can also do so as an indoor vehicle in snow domes.

The PistenBully 100's multi-functional capability is due to its modular design. With different vehicle widths, a universal interface for attachments and diverse accessories, it adapts precisely to individual requirements.

### **Improved climbing ability thanks to 4<sup>th</sup> running axle**

The addition of a 4<sup>th</sup> running axle now offers even greater track contact surface. The frame has been lengthened for this axle and the total number of track cleats has increased. This has improved grip and climbing ability. An added benefit is a smoother ride. The new weight distribution tangibly increases ride comfort and drive performance.

### **Powerful and economical**

The PistenBully 100 comes with a superbly economical, modern and clean diesel engine. With full torque available at low engine RPMs the work gets done while burning less fuel. This also means improved steering and drive behavior.

### **Ergonomically comfortable workstation**

A satisfied driver does the best job. We place a lot of value on getting the workstation right. PistenBully pilots now sit in a much quieter space thanks to reduced noise. The two-seater driver's cab is spacious, clearly arranged and perfectly designed for easy handling. Many other details like the ergonomic steering wheel with joystick, the heated windows and windscreen wipers, cellphone holder, USB connection and the air-sprung driver's seat make the driver's working day that little bit easier.

### **Tested at major Nordic events**

For years, numerous organisations of international Nordic competitions have been placing their trust in the reliability of the PistenBully 100. The PistenBully 100 is now the world's best-selling track setter and is ideal for competitions and leisure work alike.





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## All-Way-Blade

### High flexibility and precise work

#### ⚙ High flexibility and ideal roll behaviour

The All-Way-Blade provides the greatest flexibility (2.7 m or 3.1 m wide). Optimised, sensitive blade steering and ergonomic controls facilitate precise and yet relaxed work. The special roll crown on the blade and the extremely well-balanced vehicle geometry as a whole create the best roll characteristics in the snow.

#### ⚙ Variability and fast accessory changing

The one-person quick-change system makes it easy to change the front attachments, such as a front-snow blower (see page 15).



## Snow tiller

### Perfect grooming even in extreme conditions

#### ⚙ Excellent cutting teeth and design available in 3 different widths

We offer the snow tiller in three different working widths as a rear attachment. It is ideal for all applications – for grooming small slopes, lift terraces, winter hiking trails, in snow domes, but especially for cross-country tracks in the competition and leisure sector.



## Track setters Precise tracks for every scenario

🔗 **Extensive selection of track setters for every scenario:**  
The PistenBully 100 proves its particular strength and flexibility in perfect track setting for cross-country tracks in the competition and leisure sector – whether this be for classic cross-country tracks or skating tracks (see page 15).

Ski resort operators praise the high flexibility, the precision and the low maintenance requirement.

## PistenBully 100 Indoor Light-weight and agile in snow domes

The PistenBully 100 Indoor is the ideal vehicle for use in snow domes: The engine is quiet and also low-emission thanks to its integrated emission control and a soot filter. As an indoor specialist it impresses due to its agility in elongated snow domes and the greatest possible sensitivity in the snow.







# Cockpit

## A workstation that sets standards

The PistenBully 100 is not inferior to its "brothers", the PistenBully 400 and the PistenBully 600, in any way in terms of comfort or handling.

Multiple features make the PistenBully 100 a coveted workstation: The two-person driver's cab is generously sized. The air-sprung seat, the adjustable armrest, the ergonomic joystick and steering wheel create a working environment that prevents fatigue. Large, heated front, rear and side windows provide a clear view of the track, which is illuminated at night by Xenon and halogen lights. The machine is now even easier to use and is capable of more precise work thanks to the refined electrics for controlling the tillers and the track setters, and a tiller depth display. The other standard comfort equipment on the PistenBully 100 includes a mobile phone holder, radio with USB port, and heated windscreen wipers.

### ⊕ Improved ergonomics

- Air-sprung, ergonomic driver's seat
- Universal, ergonomic joystick
- Clearly arranged display of all information

### ⊕ Safety

- ROPS-certified cab (7.5 ton roof load)

### ⊕ More comfort, more function

- Heated cab with optimised ventilation system for a pleasant working environment
- Large, heated windows for the best all-round visibility
- Anti-slip and breathable seat covers



Continuously adjustable semi-circular steering wheel.



All important functions are integrated into the ergonomically designed joystick.



The armrest supports the arm and contributes to effortless operation of the front and rear attachments.



Online:  
Virtual  
cockpit





# 100 engine

## A powerful engine for cost-effective peak performance with low emissions

### ⚙ More power, more dynamic

The Mercedes Benz OM 924 LA uses a 4 cylinder inline setup and delivers a full 197 horsepower. In all cases, maximum torque is on call at low engine speeds from 1,200 rpm to 1,600 rpm.

### ⚙ Reliability of a proven power package

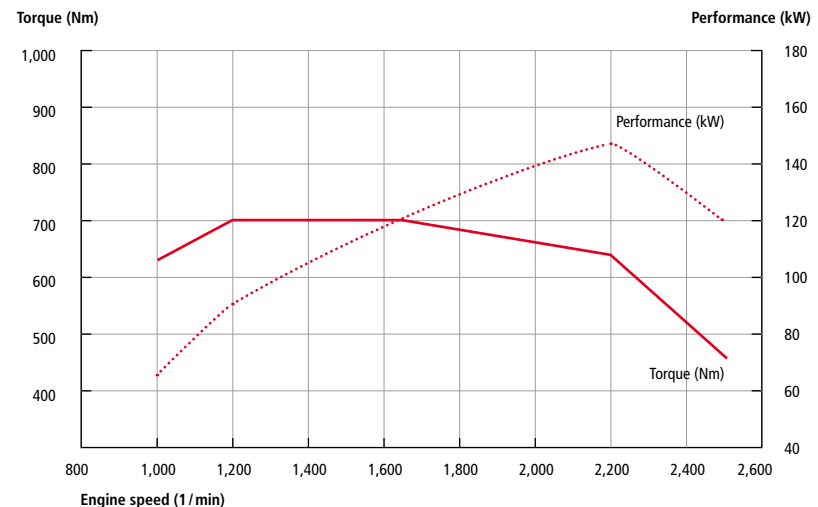
The OM 924 LA supplies solid throttle response, excellent fuel economy and hour upon hour of trouble free operation. High-tech advancements meet simple serviceability to help the OM 924 LA raise the bar for reliable operation in the harsh conditions of winter.

### ⚙ Clean burning

With an EPA rating of Tier 3 this proven emission technology is combined with optimized engine tuning. The result is low fuel consumption with solid cost efficiencies and environmental benefits from lower emissions.

### Technical data

Type	Mercedes Benz OM 924 LA
No. of cylinders	4
Displacement	4.82 l / 4,820 ccm / 294 in <sup>3</sup>
Power output (ECE)	145 kW / 197 hp
Max. torque	520 ft lb at 1,200 – 1,600 rpm
Fuel consumption	from 8.5 l/h / 2.25 gal/h
Tank capacity	150 l / 39 gal
Tank capacity AdBlue®	–
Exhaust emissions standard	Euro 3A EPA Tier 3











# Equipment for the PistenBully 100

## Standard



### Joystick

All important functions are integrated in the ergonomic joystick.



### Xenon working lights

The Xenon working lights provide perfect illumination of the working area to the front and rear in combination to the additional halogen lights.



### Air-sprung driver's seat

The ergonomic seat ensures work does not wear you out. It can be adjusted individually to the driver.

## Optional



### Technical package

The PistenBully can be supplemented with other hydraulically operated attachments, such as the front-snow blower using an additional high-pressure connection on the front of the vehicle.



### Solid tyres

Solid tyres, which last far longer, are available as an alternative to pneumatic tyres.



### Brush-guards

The brush-guards protect the windscreen and lights from branch damage.



# Original attachments

## 100 percent PistenBully quality

PistenBully original attachments don't have an outstanding reputation for nothing. You can rely on the fact that you're getting Made in Germany quality and the usual customer-oriented service.

Naturally, we have combined attachments and vehicle components in the best possible way so that everything works perfectly. And last but not least: we know the business and our products and are happy to support and advise you.

### Front attachments



#### SnowCutter

The SnowCutter is a special tool for breaking up particularly icy sections of snow. This drastically improves the finished quality in conjunction with the snow tiller.



#### Front-snow blower

Front-snow blower specially developed for the PistenBully for clearing car parks, roads and open areas. Also suitable for moving snow on the slopes.

### Superstructures



#### Cab 5 pers. / 700 kg

Cab for moving up to 5 people with foldaway bench



#### Cab 8 pers. / 750 kg

Cab for moving up to 8 people with 2 foldaway benches

Equipment: Entry on driver's side, platform and ladder, lap belts, lighting, heating, fresh air inlet, folding side windows, hinged roof window, telephone connection to the driver, rear-camera and ROPS-certified.

You'll also find  
attachments online with  
detailed descriptions:



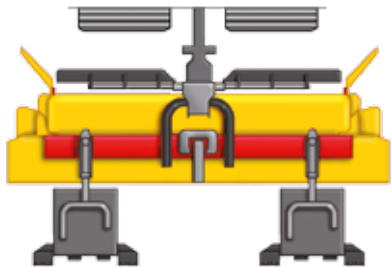




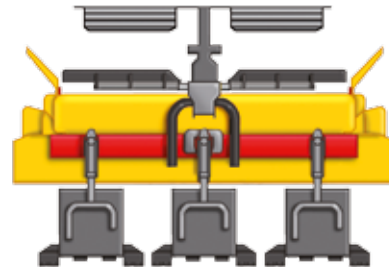
# PistenBully track setters

## Optimum tracks for skaters and cross-country skiers

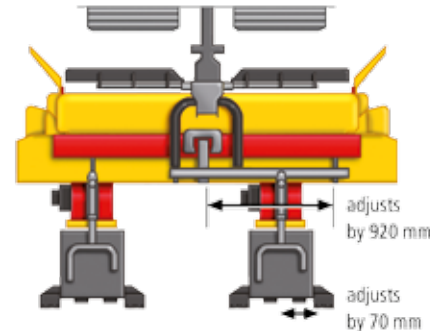
The PistenBully 100 track setters have been consistently designed to meet the high demands of skaters and cross-country skiers. Whether for the competition or leisure sector – the result is a perfectly prepared track. The choice of track setters gives ski resort operators a great deal of flexibility when it comes to differing conditions. All track setters are highly precise and require little maintenance.



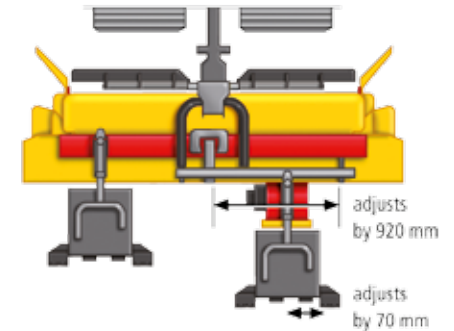
2-way track setter  
2-way track setter with  
lateral adjustment



3-way track setter



VarioTrackDesigner Classic



VarioTrackDesigner  
Competition

15

You'll also find  
attachments online with  
detailed descriptions:



# Technical data

## for the PistenBully 100

16

### Engine

Type	Mercedes Benz OM 924 LA
No. of cylinders	4
Displacement	4.82 l / 4,820 ccm / 294 in <sup>3</sup>
Power output (ECE)	145 kW / 197 hp
Exhaust emissions standard	Euro 3A EPA Tier 3
Max. torque	705 Nm / 1,200 – 1,600 rpm
Tank capacity	150 l / 40 gallons
Additional tank	–
Fuel consumption	from 8.5 l/h / 2.25 gal/hr
Drive pump	71 ccm / 28 cu.in
Traction drive	–
Tiller drive	56 ccm / 22 cu.in

### Driving characteristics

Speed continuously variable	0 – 25 km/h / 0 – 15 mph
Turning radius	0°

### Electrics

Low-voltage system	24 V
Alternator	28 V / 100 A
Batteries	2 x 12 V / 100 Ah
Cold start rating	720 A

### Lightning

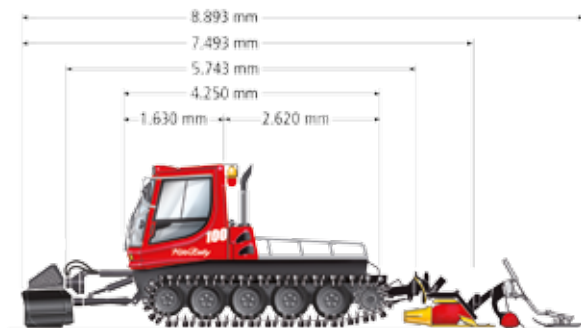
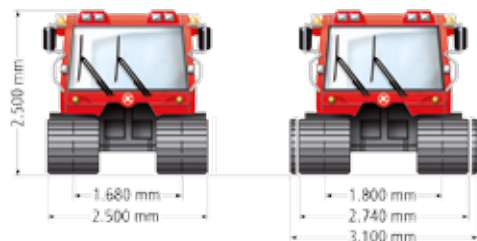
Front	4 halogen front lights, 2 xenon working lights
Rear	2 xenon working lights

### Cabin

ROPS certificat	yes
Driver's seat	adjustable, air-sprung
Operating elements	indicating instruments, switches
Glass	Front and rear windows heated, side windows partial heated
Rear mirrors	heated
Wipers	cooling-water heated

### Options

hydraulically foldable sideflaps
brush guard
additional heating
front high pressure connection
solid tires



## Weights

Tare weight	with Combi tracks	3,390 kg / 8,664 lbs
		3,970 kg / 8,752 lbs
		4,035 kg / 8,895 lbs
Gross weight limit		6,200 kg / 13,669 lbs
Payload on platform		1,500 kg / 3,307 lbs

## Dimensions

Width	without tracks	1,680 mm / 66"
		1,800 mm / 71"
	across Combi tracks	2,500 mm / 98"
		2,740 mm / 108"
		3,100 mm / 122"
Blade	width with wings fully opened	3,320 mm / 130.7"
		3,820 mm / 150.4"
	width with wings fully closed	2,720 mm / 107.1"
		3,220 mm / 126.8"
	Height	800 mm / 31.5"
Height	Overall height	2,500 mm / 98.4"
	when driver's cabin tilted	3,020 mm / 118.9"
Ground clearance		320 mm / 12.6"
Length	with blade, tiller and track-setter	8,893 mm / 350.1"
Load area	Length	1,740 mm / 68.5"
	Width	1,920 mm / 75.6"
Suggested garage dimensions	Length	8,000 mm / 315"
	Width	4,900 mm / 193"
	Height	3,200 mm / 126"







# PistenBully Service

365 days a year, 24 hours a day:  
our global network is always there  
for you.

## Local service

We know what the breakdown of a snow groomer means to a ski resort. That's why Kässbohrer Geländefahrzeug AG has been investing for decades in a sophisticated, fast-response and globally available service network, which guarantees the availability of service engineers and original spare parts within 24 hours. We now have over 130 service stations and agencies around the world. Because smooth, cost-effective operations are the top priority.

## Advice and training

PistenBully is your partner when it comes to economical use of materials and resources for your fleet. We offer a comprehensive concept of advice and training that will help you to produce the perfect slopes. Technician training ensures your independence and also enables you to perform repairs quickly right in the ski resort.

## Exchange experiences

We share your passion. And we continually exchange experiences with ski resort operators, slope managers and drivers to make sure we're aware of your needs and wishes and to incorporate these in the development of our PistenBully.

You'll find more information on our service concept at:  
[www.pistenbully.com/service](http://www.pistenbully.com/service)

Service partner  
contact list online:





# **PistenBully. For the snow of tomorrow.**

## **Quality, reliability and innovation for over 40 years.**

You only get better than “good” with genuine passion and a strong team. A passion for engines, machines and technology is inextricably linked to the Kässbohrer business. Our success is essentially based on these foundations: good ideas that lead to new solutions and a skilled and dedicated team. Our corporate culture encourages a positive innovative climate and enables us to expand our market leadership with fascinating products of the highest quality and reliability.





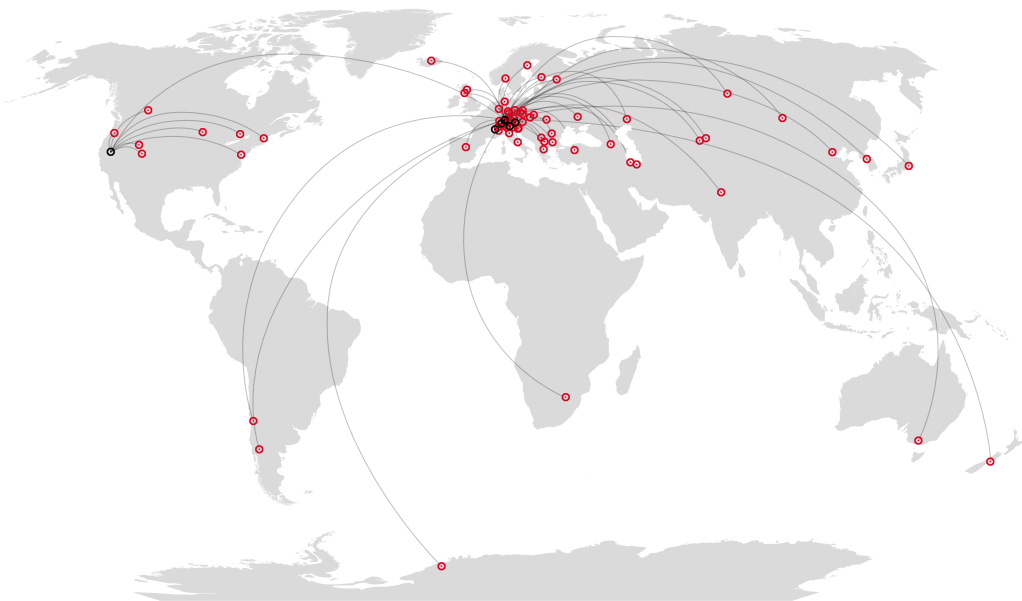
#### **Obligation of quality**

We know the tough conditions in which our vehicles work and the challenges our customers face to work economically. We are convinced that the reliability and quality of our vehicles is the most important added value we can offer our customers.

#### **Responsibility for people and the environment**

We see ourselves as a company that takes a responsible approach to its resources, its environment and its relationships with customers, staff and suppliers. Appreciation of people and nature is a valuable asset to us, and this guides our business.





## The global PistenBully **Service network**

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