

## HUSKY

A LEGEND IS REBORN







# CLEAN MOTION SUSTAINABILITY AND PERFORMANCE

CLEAN MOTION is PRINOTH's cutting-edge philosophy, which is not only synonymous with low energy consumption and sustainable environmental protection but also creates vehicles boasting efficiency, excellent performance, and a long service life. CLEAN MOTION is completely synonymous with the HUSKY and perfect slope preparation.

# ENGINE TECHNOLOGY STAGE IV/TIER 4 FINAL

Thanks to its innovative engine technology, the HUSKY is the first snow groomer in the world to meet today's strictest exhaust emission standard, Stage IV/Tier 4 final. Compared with its predecessor, this means that 91% of nitrogen oxide emissions and 87.5% of particulate matter emissions are cut. With 170 kW/231 hp there is considerably greater pushing performance and improved handling as well as increased torque.

# DRIVER'S CABIN ERGONOMIC AND COMFORTABLE

Where cabin comfort is concerned, the HUSKY is bristling with improvements. The user-friendly steering and driving systems help to further optimize work processes and shorten operating times. Optimized ergonomics and revamped instrumentation help reducing operating hours and make procedures more efficient

# PUSHING PERFORMANCE AND SLOPE PREPARATION RESULTS

The HUSKY is setting new benchmark standards. Thanks to its bigger hydraulic pumps, the efficiency of the drive train is increased and power transmission further optimized. The increased torque has a clear effect on both the pushing performance and the quality of the results when preparing slopes and trails. And with its exclusive premium LED lighting concept, you will never be left in the dark.

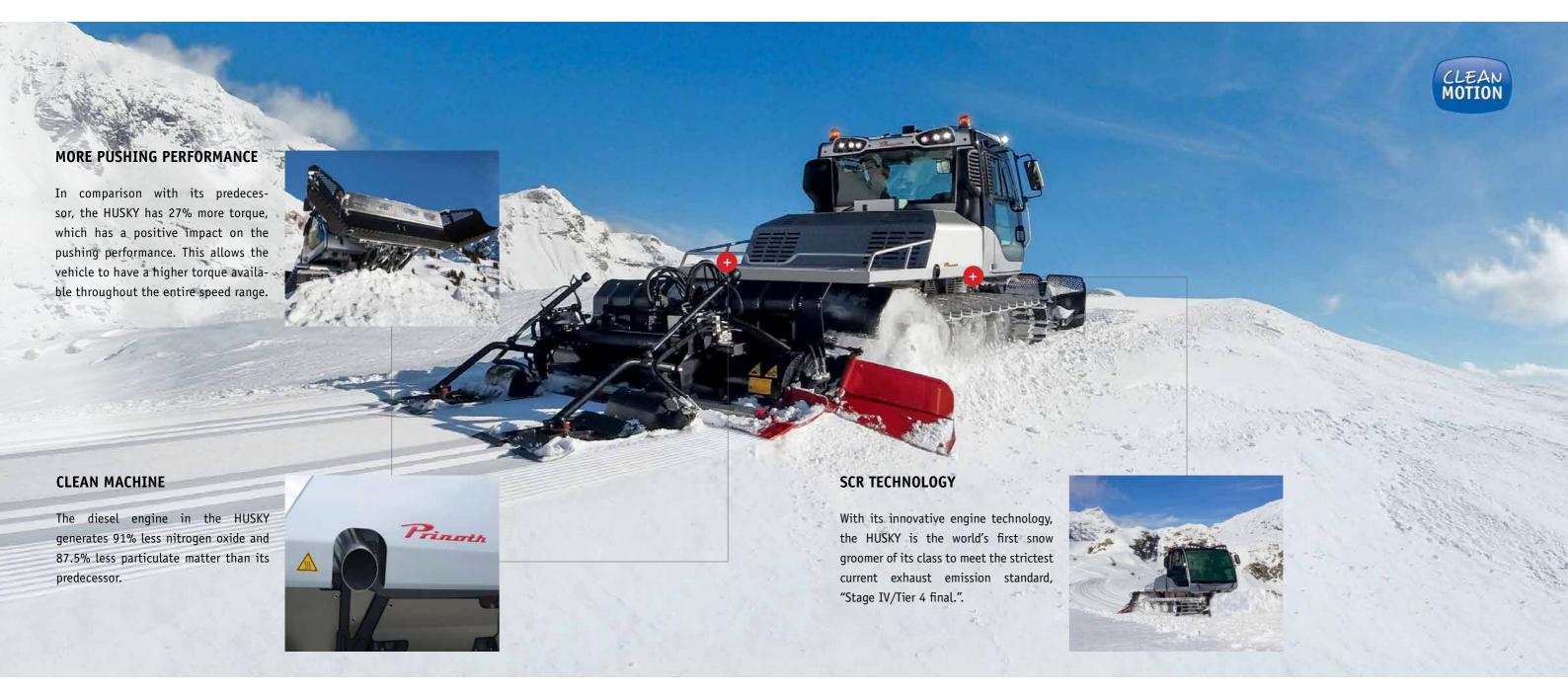
# APPLICATIONS OUTDOOR & INDOOR

The HUSKY can be used for cross-country and snowmobile trails as well as small slopes, ski jumps, ski lift tracks, and toboggan runs. It is also the perfect snow grooming vehicle for indoor ski slopes and transport work on rough terrain and in areas with little snow. This is a true all-rounder with outstanding gradeability and excellent cost-effectiveness.

# SERVICE ALWAYS THERE FOR YOU

Our global service network is always there for you. We are accessible 24 hours per day, 7 days per week. We guarantees expert support and technical assistance during revisions, repairs, and maintenance work. The availability of original replacement parts guarantees that your operations remain problem-free throughout the season.





# **CLEAN MOTION**

#### THINKING SUSTAINABLY

With its HUSKY, PRINOTH is presenting the world's first snow groomer to meet today's strictest exhaust emission standard, "Stage IV/Tier 4 final," while also setting new benchmark in its market segment in terms of power, efficiency and cabin comfort. With its exceptional performance and clean engine technology, this vehicle is even suited for indoor use.

## LOW CONSUMPTION

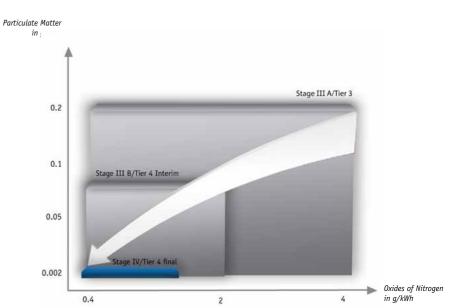
The HUSKY does not just score highly on sustainability and environmental protection – it also boasts excellent performance. With low consumption, a long service life, and high efficiency, this innovative front runner is another shining example of PRINOTH's CLEAN MOTION philosophy.

### INNOVATIVE ENGINE TECHNOLOGY

PRINOTH is continuing to blaze a trail as a leader in innovation and technology, acting as a pioneer for the latest engine technology with the introduction of its range of snow groomers with SCR systems. The HUSKY is equipped with an MTU OM 934LA series 4-cylinder engine and, at 170 kW/231 hp, delivers considerably more

#### POWERFUL AND HIGH-TORQUE

With a 27% increase in torque to 900 Nm and a whole host of efficient, detailed solutions, the HUSKY offers brand new opportunities to optimize work procedures. Thanks to larger drive pumps, the diesel engine can be used in the lower speed range without reducing working speeds, all while cutting fuel consumption.







# COMFORTABLE DRIVER'S CABIN

### SPACIOUS, ERGONOMIC, AND COMFORTABLE USER-FRIENDLY AND ERGONOMIC

The HUSKY features a brand new, spacious driver's cabin that offers the driver firstclass seating and working comfort with no compromises. Space, ergonomics, and comfort redefine the cabin, transforming it into a workplace that boosts your wellbeing.

All of the HUSKY's steering and driving controls are arranged in a user-friendly way to ensure that the vehicle is as comfortable and as easy to operate as possible. The ergonomics and the intuitive instrumentation help to optimize work procedures and reduce operating hours.

### A COMFORTABLE RIDE

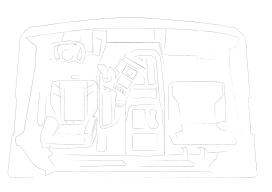
The compact design and reduced level of background noise provide a perfect overview, allowing the driver to concentrate more closely on the terrain and driving maneuvers. Exceptional smoothness during operation, all-new cabin suspension, and high-quality insulation ensure that background noise remains at comfortable levels.

### TOP-CLASS SEATING COMFORT

Hard workers need top support. The seat configuration in the HUSKY provides optimum seating comfort, allowing you to work with ease. An optional comfort seat features all the little luxuries, from seat temperature control to an adjustable vertical vibration damper and a pneumatic adjustable lumbar support.

#### **WELLBEING AND FRESH AIR**

The cabin features an integrated sunroof and adjustable side windows on both sides for an optimum supply of fresh air. Standard cabin and window heating ensures a comfortable environment and unhindered visibility. An optional automatic air-conditioning unit can also be included.



Working comfort without compromise - a look into the spacious interior cabin





# INSTRUMENTATION

#### **CLIMB IN AND SET OFF**

Ready, steady, groom! PRINOTH has harmonized the instrumentation across its entire range, reducing the familiarization time needed by the driver. The whole vehicle fleet has the same instrumentation, allowing the driver to simply climb in and set off.

#### INNOVATIVE ONBOARD DIAGNOSTICS

The driver is alerted to fault messages by audible alarm signals and can easily find details in the fault log. Accelerator pedal and steering characteristics, interval times, and other properties can be stored individually for up to 6 drivers and accessed at any time.

## ERGONOMIC CONTROL ELEMENTS

With the 7" display, you have all the required information perfectly in sight. The primary vehicle functions can be controlled with one hand thanks to the multi-function joystick. The secondary vehicle functions can be operated via the direct-access keys, including function feedback. The central rotary actuator can be used to navigate the information and configuration menu.

#### SIMPLE HANDLING

Choose between a steering wheel and levers. The careful positioning of the center console leaves plenty of storage space. All the secondary control elements are arranged logically on the keyboard (lights, windscreen wipers, window heating, etc.) and are easy to operate. The layout has been designed to prioritize user-friendliness and clarity.

#### **MULTI-FUNCTION JOYSTICK**

The electric PRINOTH joystick is tailored to fit the natural position of the hand and allows the driver to operate all the main functions of the blade and tiller with one hand. The intuitive operating mode for all functions and the optimum positioning of the arm rest and joystick make it easier for the driver to control the vehicle without getting tired.



Innovative PRINOTH joystick with attachment for important functions





# LED IT SHINE

#### PERFECT ILLUMINATION

The halogen lighting concept has been elevated to a whole new level of efficiency in the HUSKY in order to provide optimum illumination of the vehicle's surroundings. The front lighting covers a larger distance and has uniform light distribution. The HUSKY is the first snow groomer to have the option of being fully equipped with LEDs. The optional

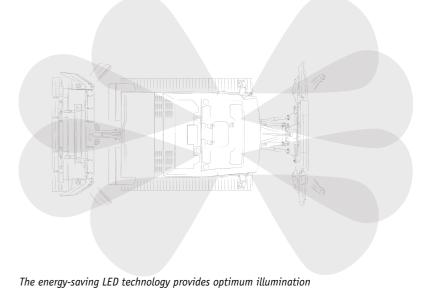
The halogen lighting concept has been elevated to a whole new level of efficiency in the HUSKY in order to provide optimum iland improved productivity.

#### **HALOGEN - LIGHT PACKAGE**

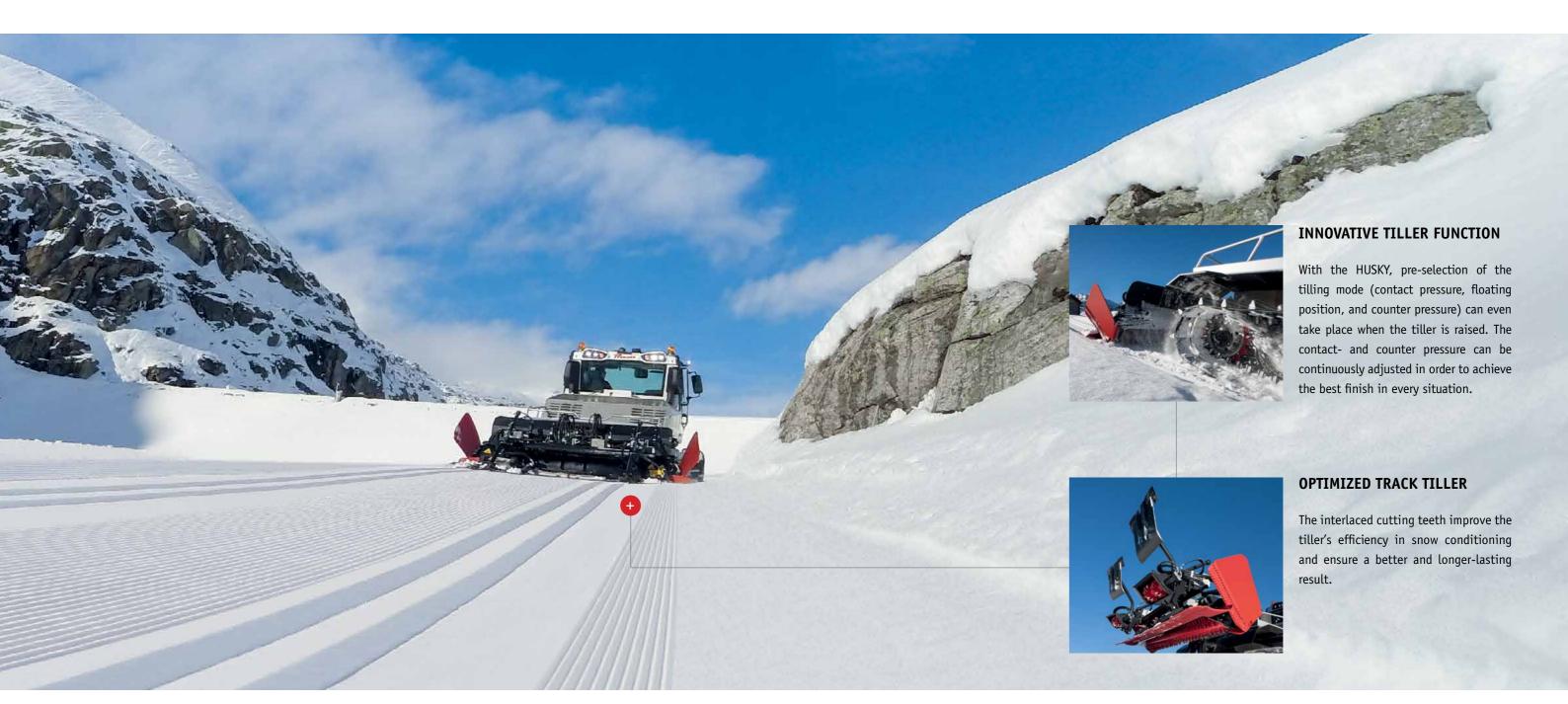
FRONT-LIGHTING	REAR-LIGHTING
2 adjustable low-beam lights 4 directional spotlights 2 turning lights 1 search light 2 direction indicators	2 position lights 4 directional spotlights

## LED - LIGHT PACKAGE

FRONT-LIGHTING	REAR-LIGHTING
2 adjustable low-beam ligths	2 position lights
6 directional spotlights	6 directional spotlights
2 turning lights	
1 search light	
2 direction indicators	







# PERFECTLY PREPARED

# FLEXIBLE COMBINATIONS OF PERFECT TILLING WIDTHS

The tried-and-tested PRINOTH tilling technology guarantees perfectly prepared snow tracks. Constant optimization guarantees perfect preparation results. You can count on the HUSKY for optimum slope and cross-country trail conditions! The effective tiller teeth and four different tilling widths deliver top results, whatever your requirements.

CONFIGURATION OPTIONS	V 2.3	V 2.5	V 2.8	V 3.1
» Tiller without hydraulic side wings	3,255 mm	3,530 mm	3,700 mm	4,060 mi
» Tiller with hydraulic side wings up	3,075 mm	3,345 mm	3,530 mm	3,880 mr
» Tiller with hydraulic side wings down	4,095 mm	4,365 mm	4,550 mm	4,900 mr

#### **NORDIC LINER**

The new shape of the track-setting plates ensures smooth gliding across the snow surface and optimum adaptation to various snow conditions. Since the track-setting plates and the tillers can be used independently, the use of the tillers can vary depending on the requirements and the condition of the cross-country trail. In this way the fuel consumption can be reduced, despite the higher slope grooming speed.

#### OPTIMUM CROSS-COUNTRY TRAIL QUALITY

The optimized shape of the track belts compresses the snow and guarantees a better cross-country trail with a longer lifespan. Additional finishers smooth out the track on either side of the track plates for a tidy appearance and well-compressed snow.

## HIGH TRACK PRECISION

Track blades on either side of the track-setting plates provide stabilization, ensuring higher precision when preparing cross-country trails. Improved ice-cutting blades loosen the snow in front of the track belts, helping you to achieve perfect cross-country trail preparation. Both the track-setting plates and the tillers follow the vehicle at the same time, guaranteeing a perfect track even on curved routes.



### **BEST IN CLASS**

There is only one! The ability to move the blade and tiller at the same time is a feature completely unique to the HUSKY.



The horizontal pivot function of the blade has reached a new level in the HUSKY, with a turn radius from left to right of 44°.

### **FLOATING POSITION**

The blade has an optional floating position that operates fully vertically and follows the desired unevenness of the ground.



# **PUSHING PERFORMANCE**

## **EXCEPTIONAL PUSHING PERFORMANCE AND PRECISE SLOPE EDGES**

slope edges. The 12-way rake blade was especially developed for pushing work with the HUSKY. The optional MASTER blade uses its radius to roll the snow, delivering improved pushing performance with low energy expenditure. The angle of the blade teeth facilitates the breaking up of ice and

The HUSKY allows you to create perfect snow and increases the efficiency of slope

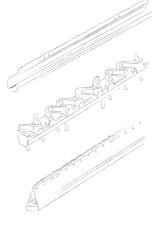
12-WAY BLADE	STANDARD	MASTER	
» Open	3,250 mm	3,650 mm	3,875 mm
» Closed	2,720 mm	3,000 mm	3,220 mm

#### TRACKS AS REQUIRED

Working in summer, winter, or all year round? Our 
The optional front hydraulics can hold a wide HUSKY is equipped for every situation. Depending range of front attachments: There are no limits on the area of operation and the season, you can steel, or all-season tracks. All three types are lawnmower, you can transform the HUSKY into fully optimized and are built for durability and a reliable tool for the summer months too. performance, delivering the best working results and optimum gradeability.

#### **ALL YEAR ROUND USAGE**

to the possible applications. By attaching choose from three different track types: aluminum, a cutter/blower, a range of mulchers, or a



Steel-, all season-, or aluminum tracks





# **ALWAYS ON TRACK**

## AN ALL-ROUNDER WITH TOP PERFORMANCE

Thanks to its excellent performance and powerful engine, the HUSKY is a real all-round talent. It is perfectly suited to preparing cross-country trails, snowmobile trails, small pistes, and toboggan runs, as well as ski jumps and indoor ski slopes. It can be used in all areas of operation and delivers top performance, whatever the challenge.

## PRECISE PREPARATION OF CROSS-COUNTRY TRAILS

Well-groomed cross-country trails are essential for an unforgettable cross-country experience. Using special rear attachments such as the NORDIC LINER, cross-country trails almost lay themselves. The tiller and track-setting plates can be used independently depending on the conditions of

## **SNOWMOBILE TRACKS** ON ANY TERRAIN

The HUSKY reliably and easily prepares snowmobile tracks on uneven terrain. With its low ground pressure and excellent maneuverability, no snow condition is too extreme. The high level of vehicle safety means that drivers can put their trust in its performance - whatever the weather conditions without having to worry about possible technical issues.

## THE SPECIALIST FOR SMALL SLOPES AND FLYING HIGH **TOBOGGAN RUNS**

Small, quick, and maneuverable. The HUSKY knows how to play to its strengths. Its compact design, exceptional maneuverability and gradeability, and ability to operate with precision in small spaces make it the top choice for smaller slopes and toboggan runs.

# ON THE SKI JUMP

If you want to touch the sky, you can't be afraid of heights. The HUSKY is a fearless high-flyer: It performs effortlessly on ski jumps, preparing the terrain to guarantee a perfect landing for athletes.

## SUITABLE FOR INDOOR USE THANKS TO LOW EMISSIONS

Thanks to its clean engine technology, the HUSKY generates 91% less nitrogen oxide and 87.5% less particulate matter. With these low emission levels, the HUSKY ensures that the air in closed spaces remains clean and is therefore perfectly suited to indoor use, for example on indoor ski slopes.





# **FUNCTIONS**

# CAN-BUS CONTROL SYSTEM

The new *CAN bus* technology connects all the control devices in the vehicle for efficient and reliable diagnosis. Faults can be resolved quickly and seamless operation guaranteed.

# SETTING THE DESIRED ENGINE SPEED

The *Cruise Control* function allows the driver to set the desired engine speed and control both speed and steering behavior using the steering levers or wheel. If necessary, the default setting can be overruled at any time by using the foot pedal.

# CERTIFIED SAFETY FOR THE DRIVER

The HUSKY is ROPS certified to DIN EN 15059. In the event of a roll-over, the design of the driver's cabin prevents excessive deformation and injury to the driver and passengers.

# IT'S ALL ABOUT RELIABILITY

Designing a vehicle is a balancing act between reliability and the lowest possible weight. The loads experienced during operation were simulated using the *finite element method* (FEM) in order to achieve an optimum power/weight ratio and good reliability.

# DETAILED DIAGNOSIS ON THE DISPLAY

The information display tells the driver of any possible malfunctions and gives instructions during the startup test. This facilitates troubleshooting and provides a targeted solution for the fault in the system.







### **SNOW DEPTH MEASUREMENT**

High-precision snow depth measurement and visualization. PRINOTH has partnered with Leica Geosystems to offer a satellite-based system that enables highly accurate snow depth measurement. This system uses a 3D model of the terrain without snow to provide the basis for accurately measuring snow depth.



## **RESOURCE MANAGEMENT**

Recording and evaluating relevant vehicle data. Highly efficient software uses accurate measuring methods and precise vehicle monitoring to show how productivity can be increased and costs cut.



#### **MOUNTAIN CONSULTING**

A consultancy program for the entire ski resort. MOUNTAIN CONSULTING is a consultancy program adapted to the individual needs of each ski resort that is divided into several blocks over the whole season.



### INDIVIDUAL OPERATOR TRAINING

Customized and individual driver training.

Following a requirements analysis, individual driver training is used to optimize the driver's operation method.

Customized, in-depth training delivers lasting improvements.



# **SNOW HOW & SERVICE**

#### ANALYSIS AND CONSULTING CONCEPT

PRINOTH provides you with the most up-to-date snow groomers which have been tried and tested worldwide. But that's not all. We also provide you with the knowledge necessary to improve performance and reduce operating costs. For this we have developed SNOW HOW by PRINOTH.

#### OPTIMIZATION OF WORK PROCEDURES

SNOW HOW is a combination of innovative technology and targeted consultation and training measures based on the many years of experience of our experts. Optimizing work procedures is a key element of this program. SNOW HOW consists of four building blocks that can be used in combination or alone to achieve lasting improvements.

## PRODUCTIVITY & QUALITY

SNOW HOW guarantees higher productivity and better slope quality for operators of ski resorts, ski jumps, and cross-country ski trails. PRINOTH is laying the foundations for innovative snow groomers with high performance and efficiency in combination with low consumption and sustainable environmental protection.

#### MAINTENANCE MADE EASY

When developing the HUSKY, we paid particular attention to ensuring easy access to the service components in order to make maintenance as simple as possible. Thanks to this approach, the vehicle is easy to maintain despite its technological complexity and innovative engine technology. We have also reduced the amount of hosing on the vehicle, reducing the risk of burst hoses.

#### MAINTENANCE AND CHECK-UP

The preconditions for cost-optimized snow grooming are proper maintenance and rapid vehicle repair. Cut your operating costs through early fault diagnosis and thereby increase the lifespan and reliability of your snow groomer. We offer quick and reliable service to ensure that your vehicles are 100% ready for use this winter.



### **HUSKY – TECHNICAL DATA**

#### **DIMENSIONS AND WEIGHT**

Permitted gross weight

Max. speed

Payload

Turning radius

Overall vehicle length
Overall vehicle length with attachments
Overall vehicle length with attachments
Overall vehicle length with attachments including NORDIC LINER
Overall height
Overall height
Versions of working width
Shipping dimensions (length-width-height)
Vehicle weight with aluminum tracks and attachments (blade, tiller) from

4,065 mm (160 in)
7,400 mm (291 in)
8,590 mm (338 in)
2,770 mm (109 in)
2,770 mm (109 in)
5,110 mm - 2,445 mm - 2,655 mm (201 in - 96 in - 104 in)
5,565 kg (12,269 lb)

PERFORMANCE	DRIVE	INCLUDED FUNCTIONS IN STANDARD CONFIGURATION

90 cm³ (9 l)
63 cm³ (6.3 l)
Cruise Control
On-board diagnostics
Multiple driver profiles
Hydraulic track tensioning

## CABIN ENGINE OPTIONS

Drive pump

Left-hand drive, mechanical suspension, MTU OM 934 LA Model adjustable Power output (ECE) 170 kW/231 PS (170 kW/228 bhp) Seat bench for 1,5 persons 900 Nm @ 1,200-1,600 min<sup>-1</sup> Max. torque 7" color display 5.1 l Displacement Steering wheel PRINOTH Universal joystick In line 4 cylinder, Layout direct injection, Tinted sunroof Common Rail Heated windows Exhaust emission standard Stufe IV/ Tier 4 final Heated mirrors Emission regulation type SCR Hydraulically tiltable cabin Radio FM/AM, DAB, CD, MP3, WMA, Bluetooth® 150 l (39.6 gal) Tank capacity fuel Tank capacity AdBlue® 40 l (10.5 gal) iPod/iPad direct control via USB, AUX in ROPS certified according to EN 15059

24 km/h (14.9 mph)

500 kg (1,102 lb)

0 (around its own axis)

Comfort seat
Steering levers
Air conditioning
Heated wipers
Full-LED equipment
Brushguard
Rear view camera
RESOURCE MANAGEMENT
SNOW DEPTH MEASUREMENT
Additional fuel tank (125 l)
Floating position blade
Side wings for tiller
Preparation for front hydraulics
Steel tracks, all season tracks

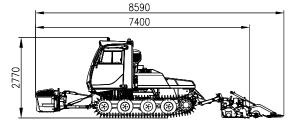
7,500 kg (16,534 lb)

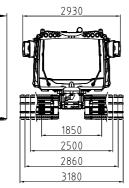
## ELECTRICAL SYSTEM LIGHTING ADDITONAL EQUIPMENT

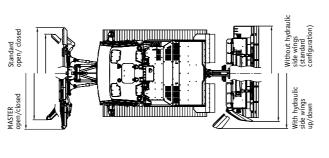
perating voltage	24 VDC	2 adjustable low-beam lights	NORDIC LINER basic (with/ without track tiller)
itarter	24 VDC	4 directional spotligths	NORDIC LINER move (with/ without track tiller)
Generator	28 VDC/150 A	2 turning ligths	
Battery	2 x 12 VDC/74 Ah	1 search ligth	
tarting capacity	680 A (EN)	2 direction indicators	
	` ,	2 position lights	
		4 directional spotlights at the back	Subject to modifications in the course of technological advancement.
	tarter ienerator lattery	tarter 24 VDC enerator 28 VDC/150 A lattery 2 x 12 VDC/74 Ah	tarter 24 VDC 4 directional spotligths enerator 28 VDC/150 A 2 turning ligths lattery 2 x 12 VDC/74 Ah 1 search ligth tarting capacity 680 A (EN) 2 direction indicators 2 position lights

12-WAY BLADE	STANDARD		MASTER
0pen	3,250 mm (127 in)	3,650 mm (143 in)	3,875 mm (152 in)
Closed	2,720 mm (107 in)	3,000 mm (118 in)	3,220 mm (126 in)

TILLER	V 2.3	V 2.5	V 2.8	V 3.1
Tiller without hydraulic side wings	, ,	3,530 mm (138 in)	, ,	, ,
Tiller with hydraulic side wings up	3,075 mm (121 in)	3,345 mm (131 in)	3,530 mm (139 in)	3,880 mm (152 in)
Tiller with hydraulic side wings down	4,095 mm (161 in)	4,365 mm (171 in)	4,550 mm (179 in)	4,900 mm (192 in)











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