

BEAST

THE HIGHEST DEGREE
OF PERFORMANCE
AND EFFICIENCY



Sales and service sites in your area can be found on www.prinoth.com

PRINOTH AG - Headquarters
Brennerstraße 34
I-39049 Sterzing (BZ)
Tel. +39.0472.722622
Fax +39.0472.722618
prinoth@prinoth.com

PRINOTH Ltd. - North America Headquarters
1001, J.-A.-Bombardier Street
Granby, Québec Canada - J2J 1E9
Phone: 450.776.3600
Fax: 450.776.3685
prinoth.canada@prinoth.com

PRINOTH Ltd. - WESTERN CANADA
6815A 40th Street SE
Calgary, Alberta T2C 2W7
Phone: 403.279.7271
Fax: 403.279.3909
prinoth.canada@prinoth.com

PRINOTH LLC - ROCKY MOUNTAIN
2746 Seeber Drive Bldg B
Grand Junction, CO 81506
Phone: 970.242.7150
Fax: 970.241.6722
prinoth.us@prinoth.com

PRINOTH LLC - EASTERN US
264 NH Route 106
Gilmanton, NH 03237
Phone: 603.267.7840
Fax: 603.267.7843
prinoth.us@prinoth.com

PRINOTH LLC - FARWEST US
2620 East 5th Street
Reno, NV 89512
Phone: 775.359.7517
Fax: 775.359.7725
prinoth.us@prinoth.com

PRINOTH LLC - INTERMOUNTAIN US
2565 South Decker Lake Lane
(1935 West) #3
West Valley, UT 84119
Phone: 801.364.8266
Fax: 801.364.8275
prinoth.us@prinoth.com





**"POWER LIES
IN QUALITY."**

FRIEDRICH WILHELM
NIETZSCHE



BENEFITS OF THE BEAST



1 A NEW DIMENSION

Increased productivity: the Beast sets a new benchmark in grooming with a productivity increase of up to 40% thanks to its working width. No other manufacturer offers a comparable grooming vehicle – the Beast features optimum traction and power in all snow conditions. State-of-the-art drive systems and a 527 horsepower engine ensure that the Beast will deliver high-performance grooming speeds.

2 OUTSTANDING DRIVE CAPABILITIES

Superior climbing and pushing capabilities: the Beast stands alone as the global leader in slope grooming, with a well-balanced centre of gravity that guarantees heroic performance. The Beast's core is the PRINOTH drive control system – the source of the high-performance drive capabilities that allow the Beast to deliver unrivaled performance in even the most difficult working conditions.

3 INDIVIDUAL OPERATOR CONFIGURATIONS

You choose: the operator's position in the Beast is entirely in your hands. Options include two steering systems and two operator seat locations. Take your pick between a steering wheel and levers for the control system; decide whether you want the operator's seat to be located in the cab's centre or on its left-hand side. Custom configurations mean the Beast can handle any specific slope grooming applications.

4 INNOVATIVE COMFORT

Dynamic lines and a powerful look: the exciting exterior of the Beast is a clear indication of its sleek interior design. The cab's blend of ergonomics and cutting-edge technology creates a comfortable, well-thought-out workspace. Among the Beast's outstanding features is the unique PRINOTH ergonomic control center: the right armrest is used for the blade, tiller controls and microcontroller display, with steering controls located at the operator's left hand.

5 UNIQUE ACCESSORIES

High-performance grooming at your command: the PRINOTH POSIFLEX TILLER provides perfect results with maximum efficiency. The PRINOTH MASTER BLADE energizes the snow when it comes in contact with the blade, allowing for increased pushing performance with less wasted power. With its unrivalled width, the Beast creates a new dimension in slope grooming.



**GOOD, BETTER,
BEAST**

Prinoth

A NEW DIMENSION IN SLOPE GROOMING »

PRINOTH is writing a new chapter in the history of slope grooming: the Beast simultaneously provides maximum efficiency and increased grooming performance. This vehicle combines innovative comfort and explosive power – an exclusive design and an excellent investment. The Beast is the result of PRINOTH's slope grooming expertise and constant innovation in the pursuit of perfectly prepared ski slopes worldwide.



**A QUANTUM LEAP IN
SLOPE GROOMING PERFORMANCE »**

Up to 40% increase in performance delivering 100% groomed slope perfection: the Beast has set a new benchmark in grooming efficiency. With a working width of 23,3 ft from one wing finisher to the other, this new high-performance grooming technology substantially increases acres groomed per hour. It's all thanks to the increased width of the track surface area – giving the Beast increased traction and torque when

climbing while minimizing track slippage. Last but not least, the POSIFLEX TILLER provides a powerful performance advantage for PRINOTH's top performer.

The Beast, for perfect pistes.





**QUALITY
AND EFFICIENT
SLOPE GROOMING**



HIGHER PERFORMANCE IN EVERY SITUATION »

With 527 horsepower and 180 cm³ Rexroth drive pumps, the Beast develops extraordinary torque at the drive sprocket. The foundation for this unprecedented productivity is the increased width of its track, the MASTER BLADE's 71 ft² area, and the vehicle's perfectly balanced centre of gravity. These features result in up to 40% more productivity from the Beast than you get from conventional snow groomers – the Beast sets new standards that others can only follow.

MORE EFFICIENT USE OF POWER »

Increased power is useless if it's not optimally transferred to the ground. The overall surface of the Beast's track area is 188 ft² – that's an increase of 45% compared to the current grooming standard. Lower ground pressure increases grooming productivity, even in the deepest snow. More efficient power use reduces track slippage, again increasing grooming productivity.



SIGNIFICANT COST REDUCTIONS »

Maximum performance, minimum cost. An extraordinary increase in acres groomed per hour means an amazing reduction in your per-acre grooming expenses: savings that make the Beast good for your bottom line. In an industry where time is money, a 300-liter (79 gal.) fuel tank means more time spent grooming. The best slope quality possible – with cost savings that seem impossible!



**OPERATING WITH
EASE, EVEN ON
DIFFICULT TERRAIN**



REVOLUTIONARY CLIMBING CAPABILITIES »

Extreme terrain is not an obstacle or a technical challenge for the Beast. The unparalleled working width of the track provides low ground pressure. Intermediary wheels are positioned in the middle of the track, and the vehicle's weight distribution guarantees that its low ground pressure is evenly distributed – the perfect combination for high-performance climbing. In order for the Beast to stay under control in even the most difficult conditions, its tracks have been

equipped with ice spikes. With these advantages, the Beast pushes into areas previously restricted to winch vehicles – an economic advantage resort operators should keep in mind.



SURPRISINGLY AGILE »

The heart of the Beast is its powerful Caterpillar engine. With 527 horsepower and a maximum torque of 1,634 lb·ft, as well as consistent power throughout the torque curve, it's ideal for the demands of today's slope grooming operator – and of course it meets EPA Tier III guidelines. The engine is the basis for high-performance output at the drive sprocket; this, combined with a perfect balance of design and engineering, arm the Beast with clear advantages. An op-

timal centre of gravity and even ground pressure contribute to the Beast's unsurpassed maneuverability on even the most demanding slopes.



**HIGH-PERFORMANCE
ELECTRONIC CONTROLS
THAT OPTIMIZE
BEAST PRODUCTIVITY**



STAYING FLEXIBLE IN CHANGING CONDITIONS »

Total control is the formula for success in high-performance slope grooming. The Beast's vehicle management system ensures that the vehicle's components communicate reliably and effectively in the most extreme situations. The operational superiority of the Beast, whether it is pushing large amounts of snow or navigating a difficult slope, is a tangible advantage that provides a return on investment every working day.

**INNOVATIVE VEHICLE CONTROL
WITH CAN BUS TECHNOLOGY »**

The Beast operates at its full potential thanks to electronics that communicate through a CAN bus system. CAN bus technology integrates operational systems with individual driving properties, delivering real-time data for on-board diagnostics. The Beast's management system constantly monitors the machine's performance characteristics, making it one of the most efficient and economical grooming platform on the market.



ON-BOARD DIAGNOSTICS »

Real-time information: an integrated fault-recognition system for the Beast and its components provides operators and mechanics with user-friendly diagnostic data. Over a decade of experience with CAN bus technology means PRINOTH can provide an optimized system.



**CREATURE
COMFORTS
FOR ADDED
PERFORMANCE**

Pinotti

**STEERING WHEEL OR LEVERS:
THE CHOICE IS YOURS »**

Depending upon personal preference, the Beast can be equipped with either steering levers or a steering wheel. Both provide equal performance with an ergonomic design and sensitive, precise control. The steering wheel have been designed for effortless stress-free operation, while the steering levers offers a more precise driving.

**CENTRE SEATING OR TRADITIONAL LEFT
HAND SEATING POSITIONS »**

Before ordering the Beast, operators can decide where they want their seat to be positioned: on the left or in the middle of the cab. The seat base and back rest are ergonomically designed to match the rigorous demands of slope grooming, and the seat boasts 18-way adjustment to meet the needs of individual operators. An air-ride suspension system keeps things smooth for the operator, enhancing vehicle control for greater safety.

EASY ENTRY »

Climb in, climb out, climb in again – with the innovative EASY ENTRY function of the Beast's steering column, it's no problem. Press a pedal in the foot area and the steering column automatically returns to its previous position – thanks to the memory function of the steering column, resetting the column is a snap. The steering wheel position can even be set for individual operators, making this vehicle more convenient than ever.



INDIVIDUAL ADJUSTMENT »

The sensitivity of the steering and the accelerator can be adjusted to meet operators' individual needs. Operators have an almost infinite combination of options to choose from in their menu, as well as other parameters: automatic raising and lowering of the tiller, window defrosting intervals, and much more.



**EASE OF OPERATION
LETS OPERATORS
FOCUS ON THE
PERFECT PISTE**

Prinoth

AN INTUITIVE WORK SPACE »

The simple, intuitive operation of the Beast makes relaxed and efficient work possible in even the most demanding situations. While the operator's left hand controls the vehicle's drive system, the right hand concentrates on the operation of the blade and tiller. The driver can monitor all the vehicle's functions by glancing at the display screen. This work space is the result of extensive ergonomic studies as well as PRINOTH's many years of experience.



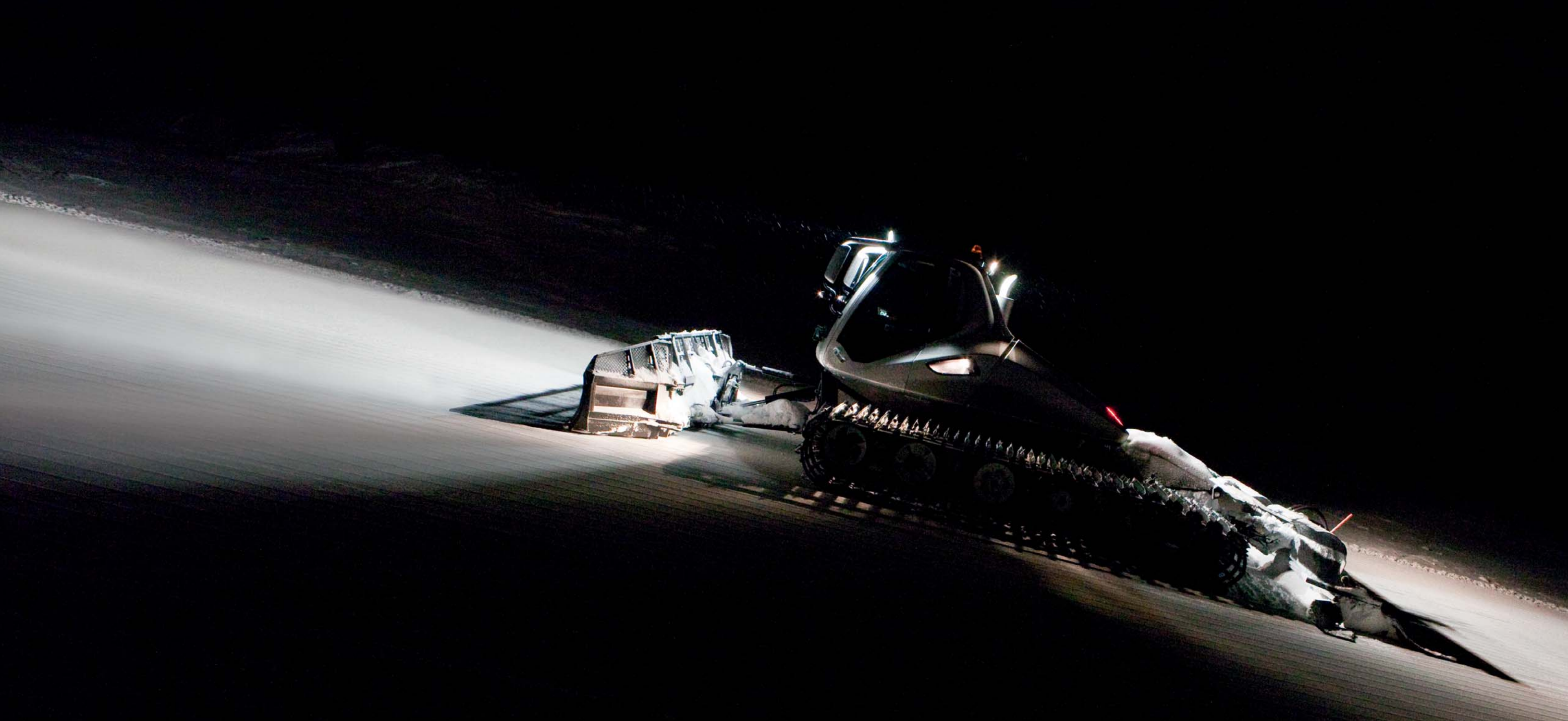
RIGHT ARMREST »

It combines the main control and operating elements: a guarantee that the operator will have every situation under control. The joystick, developed and designed by PRINOTH, provides both ergonomic and sensitive control of the tiller and blade functions. The operator can access the display screen and operate the clearly laid-out keyboard while simultaneously controlling secondary functions, such as the lights, defrosters, etc.

INFORMATION CENTRE »

One glance gives you the full picture: vehicle operational information can be quickly and precisely read from the clear colour display screen. Sub-menus provide detailed information on the vehicle and various settings can be adjusted and/or calibrated. Self-explanatory menu icons help the operator manage the Beast with ease.





**BRILLIANT DESIGN
YOU CAN SEE
AND FEEL**



A GREAT ENTRANCE »

Beast – the name says it all. Its dynamically aggressive appearance comes from the world famous Pininfarina design studio, clearly stating that this snow groomer was made for uncompromising performance, to deliver perfect slope quality. Ergonomics are a top priority, with interior materials carefully selected; that said, the Beast boasts the kind of interior you usually only find in automobiles, combining discriminating design with no-nonsense finishing touches.



A COMFORTABLE WORKING CLIMATE »

In order for the operator to remain alert and aware of his surroundings, a constant fresh air supply is provided with draft-free air circulation. The optimized sandwich construction of the walls, windows, and floor ensure a noise-free and vibration-free workplace. But the Beast is more than just a pretty face – its cab features certified roll over protection (ROPS). Air conditioning is available as an option.

THE PERFECT VIEW, DAY & NIGHT »

Panoramic viewing capabilities give Beast operators increased awareness of their working environment. Side windows provide excellent visibility of both blade wings as well as the tracks. Its high-performance lighting system combines xenon and halogen lamps designed to illuminate work areas during any mix of weather conditions. The MEMORY function for the forward and rear lighting system means the operator can restore preferred settings with the touch of a button.





**PRINOTH
IMPLEMENTS:
FORWARD THINKING
& TREND SETTING**

Prinoth

**PROVEN EFFICIENCY:
THE PRINOTH POSIFLEX TILLER »**

With an overall working width of 23,3 ft² from one tiller wing finisher to the other, the PRINOTH POSIFLEX TILLER provides excellent slope quality and a perfect slope finish. Skiers and snowboarders have reason to celebrate: whether the surface is soft or hard, whether the snow is natural or machine-made, the POSIFLEX TILLER always provides exceptional slope quality even at high-performance grooming speeds. The

snow is processed systematically, guaranteeing a long-lasting skiing surface with an excellent underfoot feel that's also pleasing to the eye. The hydraulic side wing finishers are standard equipment for building the perfect piste with the Beast.

**HIGH PERFORMANCE PUSHING CAPABILITIES:
THE PRINOTH MASTER BLADE »**

The PRINOTH MASTER BLADE is an evolution of the technology used to create the PRINOTH twelve-way blade. The blade face is designed to energize snow when it comes in contact with the blade, minimizing friction to keep the Beast moving efficiently with less effort. The aggressive angle of approach of the blade teeth guarantee easy penetration of the hardest surfaces, and the teeth are built strong for years of reli-

able use. The PRINOTH MASTER BLADE is productive in a wide spectrum of conditions. We live up to our slogan: Good, Better, Beast.



DIESEL ENGINE

Make	Caterpillar
Model	C13 Acert
Turbo diesel, electronic fuel system	Tier 3
Number of cylinders	6 in line
Total displacement	12,5 l/763 in ³
Engine power	393 kW (527 HP) @ 1,800 rpm
Max torque	2,216 Nm (1,634 lb·ft) @ 1,400 rpm
Fuel capacity	300 l/79 gal

OPERATOR'S ENVIRONMENT

Recaro seat
2-passenger seats
Ergonomically designed joystick
Steering wheel or steering levers
Central or left driver's seat
8.4 inch/21.34 cm display screen with a resolution of 640 x 480 pixels
Excellent visibility of the tracks and blade wings
Stereo/Radio with CD player and USB-connection
2-way radio ready
Automated interior climate control with air purification system
Electronic components managed with CAN bus technology
Electro-hydraulic cab tilt
ROPS (roll-over protection system) certified according to EN 15059
Air conditioning (optional)

WEIGHT

Total weight including, tracks, blade and tiller 11,550 kg - 25,460 lb

WINDSHIELD/EXTERIOR MIRRORS

Electrically heated front, side, and rear windows
Electrically heated and adjustable rearview mirrors
Heated windshield wipers

DRIVE

Hydrostatic drive pumps 180 cm³ Bosch Rexroth
Hydrostatic drive motors 125 cm³ Bosch Rexroth

LIGHTING

6 xenon front driving lights
4 halogen front fog lights
2 xenon rear driving lights
2 halogen rear fog lights
2 rotating beacons
1 spotlight
Parking lights
Turn indicators

DRIVING FEATURES

Turning radius 0° (vehicle turns on its own axis)
Gradability Up to 100% (dependent on snow conditions)
Maximum driving speed up to 21 km/h / 13 m/h

ELECTRICAL SYSTEM

Voltage 24 V
Batteries 2 x 12 V
Cranking amps 950 CCA

TILLER

POSIFLEX provided with standard hydraulic operated side wings
Snow fenders

BLADE

MASTER BLADE
12-way front blade with a quick disconnect system

Subject to modifications in the course of technological advancement.

PRINOTH®, Pinarfarina®, Caterpillar®, Recaro®, Bosch Rexroth® are registered trademarks.

TECHNICAL DATA

Prinoth

