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**Prinoth**



## TROOPER

THE GREATEST  
EFFICIENCY AND THE  
SMOOTHEST RIDE

**Prinoth**





**THE TROOPER  
CUTS TRAILS FAR  
BEYOND YOUR  
EXPECTATIONS  
AND WELL WITHIN  
YOUR BUDGET.**

**Prinoth**



**TROOPER MEANS QUALITY**

Top performance isn't an option, it's a requirement. PRINOTH engineers all its vehicles to this standard and raises the bar by delivering not only exceptional performance, but efficiency, economy, comfort and safety. The PRINOTH Trooper trail groomers tackle the toughest terrain to create trail networks through the most unforgiving country. Not only does PRINOTH get you where you need to go, they save you time, fuel and money along the way.

**STRENGTH WITHOUT COMPROMISE**

Most vehicles deliver on their strengths but can't hide their weaknesses. PRINOTH Trooper trail groomers don't need to hide. They blend category leading performance at a price point unmatched by the competition; the PRINOTH Trooper offers the best of both worlds – power and affordability, performance without compromise.

1

**UNBEATABLE COMFORT**

Out on a 12-hour trail run, even the toughest operators appreciate PRINOTH's commitment to cab comfort. Ergonomically advanced and intuitive, PRINOTH's cabs let you stay out longer and make your trails better.

2

**RELIABILITY AND SAFETY**

Grooming the longest, wildest and most extreme trail networks in North America takes guts. But it also takes confidence in your equipment. PRINOTH's focus on safety allows operators to push performance without worrying about a contingency plan – they know PRINOTH has them covered.

3





**PRINOTH VALUE  
MEANS YOU NEVER  
SETTLE**



**PRINOTH SOLUTION »**

Shopping for a trail grooming vehicle can feel like an exercise in tradeoffs. With a big network of trails to maintain and a consumer base hungry for ever more options to ride, choosing the right equipment is key to the success of your trail management program – so choose without compromise. PRINOTH offers vehicles that deliver the performance you need, within your budget.



**GET THE JOB DONE »**

PRINOTH's Trooper trail groomer offers the perfect solution – peak performance at an affordable price – with built-in value propositions like durability, reliability, economic fuel consumption, max speeds of over 25 km/h and a comfortable 5-person cab. This allows you to build longer and better quality trails at a lower cost. Equipped with a Perkins, turbo diesel/electronic engine, the Trooper packs a tight punch. At 410 lb·ft of torque generated by the 142 horse-

power engine, the Trooper's innovative transmission has power and agility to spare. Unmatched-in-class pulling capacity and an extended fuel autonomy for more grooming. All this performance and a lighter footprint than the competition. With the Trooper's superior weight distribution advantages, you can float over light pack and then climb the side of a gulch all while cutting trail with the versatile, proportionally controlled 8-way blade.





## CAB COMFORT FOR THE LONG HAUL

*Pinault*

### ENJOY THE DRIVE »

What you have under the hood only matters for as long as you can stay out cutting trail. The TROOPER's innovative 5-person cab offers a full crew maximum comfort and the most advanced cab controls in the industry. This allows you to focus on the trail, operate more efficiently, safely and comfortably, and for longer shifts than any other vehicle on the market.

### ERGONOMY AND TECHNOLOGY ARE YOUR KEYS »

Complete with ergonomic controls, a centralized micro-processor with color display to monitor vehicle information, superior visibility and xenon lights uniquely calibrated for all-condition lighting, the Trooper is a cut above anything else in its class when it comes to cab safety and comfort.

Packed with storage compartments, adjustable front suspension seats, powerful climate system for heating, front and rear wipers and heated exterior mirrors, the Trooper's cabin lets a crew feel at home on the road, for however long they're out. When you've got a tracked vehicle like this, a long shift cutting trail feels like the ride before the ride. Or as fun as the ride after!







**PROTECTING YOUR  
MOST IMPORTANT  
ASSETS - RELIABILITY  
AND SAFETY**

*Prinoth*

#### **PRINOTH'S CONSTANT DRIVE TO INNOVATE »**

PRINOTH builds in safety from the inside out. Starting with ISO certified roll-over protective structures (ROPS ISO 3471). Each Trooper is built with a strong exo-skeleton, keeping operators safe inside and protected from the exterior elements. The market's largest removable sunroof completes the chassis' numerous features.



#### **VISUALIZING SAFETY »**

Superior visibility combined with a xenon lighting system, lights up work areas regardless of the weather conditions. The Trooper provides operators and spotters, an unobstructed view no matter where they are allowing, them to safely see oncoming traffic and obstacles.

#### **AGILE, SMART AND SAFE »**

Low ground pressure, ease of handling and an automatic break system which stops the vehicle the instant a cab door opens, complete the Trooper's innovative cab and vehicle design. PRINOTH understands that your most important assets are your people. Keeping them safe and comfortable in the most extreme conditions and longest shifts is a priority at PRINOTH.







SERVICE  
AND PARTS



BUILT FROM THE BEST – SERVICE AND PARTS »

PRINOTH vehicles are equipped with the highest quality PRINOTH guaranteed OEM parts. This ensures the vehicles reliably for the long term. PRINOTH vehicles retain their value and provide a faster return on your investment. PRINOTH vehicles are ahead of the competition with lower maintenance costs, longer vehicle life and better vehicle resale value. For the same outstanding performance you chose when purchasing a PRINOTH vehicle, maintain it with certified OEM

parts. Our components are made, tested and proven specifically for your tracked vehicle. » Parts engineered to exact specifications » Consistent, quality materials » Superior, original finish » Stringently tested for durability and reliability. Our 24/7 worldwide network is ready to serve your parts and service needs no matter where in the world your work takes you. Quality parts and quality service, where and when you need them.

DIMENSIONS

Overall length (basic vehicle)	4,064 mm (160 in.)
Overall width	
- with 900 mm track	2,565 mm (101 in.)
- with 1,100 mm track	2,997 mm (118 in.)
Overall height	2,845 mm (112 in.)
Ground clearance	381 mm (15 in.)
Shipping weight (including 900 mm steel tracks, front blade and rear platform)	4,264 kg (9,400 lb)

PERFORMANCE

Payload	1,360 kg (3,000 lb)
Maximum speed	29 km/h (18 mph)
Inside turning radius	0 m (0 in.)
Ground pressure at 150 mm penetration	
- 900 mm track	59 g/cm² (0.83 psi)
- 1,100 mm track	48 g/cm² (0.68 psi)

<b>Maximum gradeability</b>	
Uphill/downhill	100%
Sidehill	75%

ENGINE

Make	Perkins
Model	1104D
Type	Turbo diesel, electronic fuel system
Number of cylinders	4
Displacement	4.4 l (269 in³)
Horsepower @ 2,200 rpm	106 kW (142 hp)
Torque @ 1,400 rpm	556 N·m (410 lb·ft)
Fuel tank capacity	231 l (61 US gal)

TRANSMISSION

Hydrostatic pumps	Sauer Danfoss
Hydrostatic motors	Sauer Danfoss
Planetary gearboxes	Fairfield

Subject to modifications in the course of technological advancement.

TECHNICAL  
DATA



CONTROLS

Type	Microcontroller with color display
Inputs	Steering wheel, progressive forward, neutral, reverse lever and speed pedal
Outputs	Independent control of each track
Other features	Anti-stall, fault code diagnostic and auto-calibration

ELECTRICAL SYSTEM

Voltage	12 V
Alternator capacity	120 A
Battery capacity	1 x 900 CCA

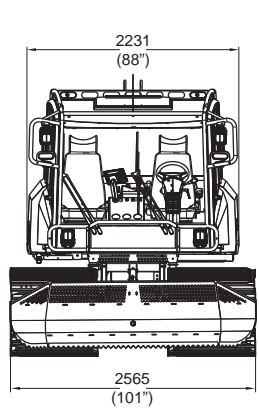
UNDERCARRIAGE

Suspension type	Independent – long travel with rubber dampening
Wheel quantity	8
Wheel type	Solid rubber
Wheel size	145 mm x 569 mm (5.7 in. x 22.4 in.)

<b>Tracks</b>	
Steel type	Semi-closed profile steel cross links. Available in 900 mm (35.5 in.) & 1,100 mm (43.5 in.) width
Rubber type	Aluminum cross links covered with rubber. Available in 780 mm (31 in.)

CAB

2 + 3 person cab  
ROPS ISO 3471  
Electric over hydraulic power tilt cab  
3-point safety belts (4)  
2-point safety belts (1)  
Adjustable front seats  
Controls for heater and defroster  
Coat hangers  
Gear storage nets  
Fire extinguisher  
Front wiper including low, high and intermittent speed  
Front windshield washer  
Rear wiper including low and intermittent speed  
2 foldable sun visors  
2 heated exterior mirrors  
Interior mirror  
Dome lamp



Grab handles  
2 xenon head lights  
Head light protector  
1 xenon back-up light  
Sunroof with pop-out latch  
Sliding windows on both doors  
Storage compartments  
Back-up alarm  
Electric horn  
Anti-vandalism kit  
Two 12 V power outlet  
Radio (AM/FM, CD) with speakers  
Tubular type front brushguard  
Beacon light  
Lockable doors

STANDARD EQUIPMENT

Lockable fuel cap  
Belly pans  
Pressurized hydrostatic oil tank with heater  
Rear pintle hook  
4 D-ring for transportation  
Satellite boosting lugs  
Parts, service & operator's manuals  
Parking brake with automatic application upon door opening  
Non-icing radiator protector

OPTIONAL EQUIPMENT

8-way blade 2,600 mm (102 in.) or 2,900 mm (114 in.) wide  
Complete hydraulic system 193 bar (2,800 psi), 14 l/min (3.8 gpm) @ 1,800 rpm, 17 l/min (4.6 gpm) @ 2,200 rpm  
Rear platform  
Rear cover  
Operator and front passenger suspension seats  
Reversible radiator fan  
Heavy duty windshield brushguard and headlight protector  
Air conditioning system  
Additional battery  
6,800 kg (15,000 lb) capacity electric winch (front or rear)  
42 ice spike set for steel tracks  
2 additional xenon front lights

