

Powerful. Comfortable. Versatile.

RAPTOR 300

FOR TOUGH FORESTRY AND
CLEARING WORK





RAPTOR 300

THE POWERFUL ALLROUNDER

The Raptor 300 is a compact and powerful tracked vehicle suited for demanding and difficult forestry and land-clearing work. It is the first choice for maintaining forests, land clearing, right-of-way maintenance and fire prevention.

It's powerful CAT C7.1 diesel engine with 205 kW / 275 hp - combines high performance and low fuel consumption. It operates with maximum efficiency thanks to the mechanical drive.

Equipped with the powerful Grizzly M650m forestry mulcher with hydraulic pushing bar and flap, counter blades, and patented BCS/UPTs rotor system, excellent mulching results are achieved.

WORKHORSE 2.0

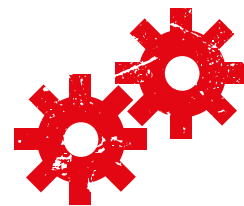
The Raptor 300 - the ultimate mulching vehicle that offers unparalleled flexibility and efficiency. With its modular design and vast array of customizable options, the Raptor 300 can be adapted to meet your specific requirements, truly making it a versatile addition to any fleet. In addition, its compact design offers optimum accessibility for convenient servicing. Boasting cutting-edge technology and robust build, the Raptor 300 sets a new industry standard in mulching, now in its second-generation design.



POWER & EFFICIENCY:



**MAXIMUM EFFICIENCY
AND LIFESPAN**



**UP TO 30% HIGHER EFFICIENCY
COMPARED TO HYDRAULIC DRIVE
ATTACHMENT WITH SIMULTANEOUS
FUEL SAVINGS OF UP TO 40%**



**THE NEW, SPACIOUS AND COM-
FORTABLE 2.0 CAB MEETS THE
HIGHEST SAFETY STANDARDS
(ROPS, FOPS, OPS)**



**HIGH PERFORMANCE WITH
FUEL EFFICIENCY**

RAPTOR 300

THE ULTIMATE PACKAGE

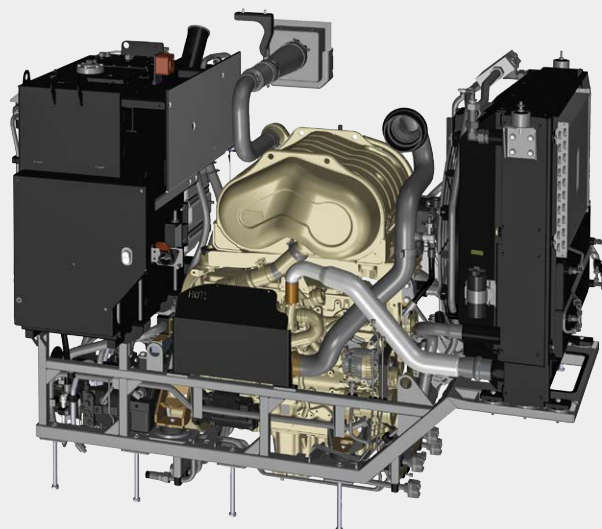


POWERFUL 275 HP ENGINE

Our top-of-the-line engine boasts 275 horsepower, thanks to the impressive 6-cylinder CAT C7.1 diesel engine which offers maximum torque of 1257 Nm. This provides ample power and performance across all areas of usage.

Our engine also surpasses emission regulations by meeting Stage V / Tier 4 Final exhaust gas standards with its DEF system and particulate filter. For markets that do not have these requirements, an ORA variant is available.

Additionally, our engine is fitted with a high-performance air filter to ensure effective operation even under extreme conditions.





EFFICIENT AND EFFECTIVE COOLING SYSTEM

- Our highly effective cooling system is powered hydraulically, enabling it to accommodate applications within a range of -40 to +50°C. One of the system's exceptional features is the automatic fan reversing for cleaning the radiator.
- This cooling system package is an efficient design that combines a fuel cooler, air conditioning cooler, water cooler, and hydraulic oil coolers. This combination minimizes power losses and helps ensure optimal operations.

OVERLOAD PROTECTION WITH TURBO CLUTCH

- Our turbo clutch system provides overload protection by ensuring smooth startup operation of the rotor, thereby preventing significant torque peaks that can damage the motor.
- This feature is reliable even under extreme working conditions while protecting the entire drive train from shock loads.

CENTRAL LUBRICATION SYSTEM

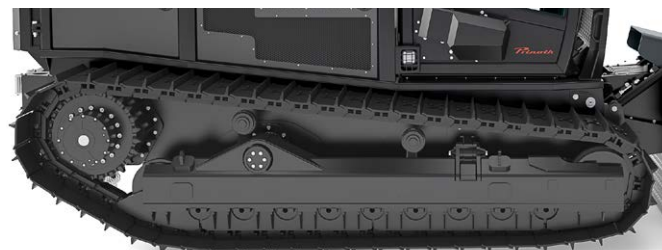
- 28 automatically lubricated lubrication points saving valuable time and extends the lifetime of the components.
- With the turbo clutch, it is impossible for the engine system to stall.

EFFICIENT POWERBAND DRIVE

- Our powerband drive is built to achieve maximum efficiency as it efficiently transmits power to the attachment with minimal loss. It is a reliable system due to its high durability, robustness, and low maintenance requirements.
- Additionally, the drive's exceptional maneuverability and the capacity for substantial lifting height enable it to handle steep slopes and angles with ease.

UNDERCARRIAGE (DELTA TRACKS)

- Our Delta D4 undercarriage system is exceptionally robust and ensures seamless driving operations over various obstacles while safeguarding the ground.
- With a high ground clearance, the gearbox remains safe even in wet and dirty work environments.
- Furthermore, the oscillating axle adds to the driving comfort.
- The flexible steel track system ensures maximum driving comfort and increases the lifetime of the entire vehicle.
- We offer different track pad options, including 1-growser and 2-growser.



The Delta D4 oscillating undercarriage: reduces stress, improved self-cleaning effect, better off-road capability, and more productive work on slopes.

RAPTOR 300



SAFE & COMFORTABLE

The air-conditioned, ergonomic driver's cab meets the highest safety standards (certified to ROPS/FOPS/OPS) and has a heated driver's seat (Recaro seat). This enables long working hours in all temperatures.

It also features an overpressure system that ensures the cabin air is always clean. Optional is a parking heater, available to preheat the cab and engine.



EVERYTHING UNDER CONTROL

All the operating elements of the machine are arranged in an ergonomic manner, while the display system provides comprehensive information and aids in diagnosing machine and engine faults. The display is straightforward and intuitive to use.



ALWAYS GET A GOOD VIEW

All-round powerful LED work lights, including lights inside the engine, and additional service lighting enable round-the-clock operation.

THE RAPTOR 300 - WITH SPECIALLY DEVELOPED LIFTING GEAR

THE ADVANTAGES AT A GLANCE

- Our lifting gear system was specially developed to mount the mulcher near the carrier, optimizing the entire machine's center of gravity.
- This design feature improves mobility on low ground and slopes and results in a superior attachment head maneuverability.
- The flexible working height capabilities allow for enhanced versatility.
- The system's substantial lifting height ensures seamless movement even in rough terrain.



EFFICIENT LIMIT LOAD AND LINKAGE CONTROL

Our system features efficient limit load and linkage control, which optimizes the performance and longevity of the machine and its components. The electronic flow rate regulator adjusts the axial piston pumps in the drive system to match the engine speed, which improves system efficiency. For demanding applications, such as heavy resistance at the rotor, the travel drive incorporates an automatic brake. Moreover, the linkage control feature allows the mulcher to hover above the ground, reducing strain on the driver and components, prolonging the machine's life span.

TECHNICAL DATA

RAPTOR 300

RAPTOR 300

ENGINE

Engine	CAT C 7.1 Stage V (optional with ORA available)
Power	205 kW / 275 HP
Emission	TIER 4 final / Stage V
Max. torque	1257 Nm - 1400 rpm
Fuel tank	360 l (95 gal)
AdBlue tank	24 l (5.3 gal)
Hydraulic tank	62 l (13.6 gal)

DRIVE

Mechanical powerband drive	
Max. speed	8 km/h (5 mph)
Generously dimensioned drive	

WEIGHT AND MOBILITY

Weight Raptor 300*	14,780 kg (32,584 lbs)
Weight with mulcher*	17,770 kg (39,176 lbs)
Ground pressure	0.33 kg/cm² (4.7 psi)

UNDERCARRIAGE

Undercarriage type	Pendulum drive
Ground track pad	D4, 730 mm track pad (1-/2-growser)
Ground clearance	500 mm (19.7 in)

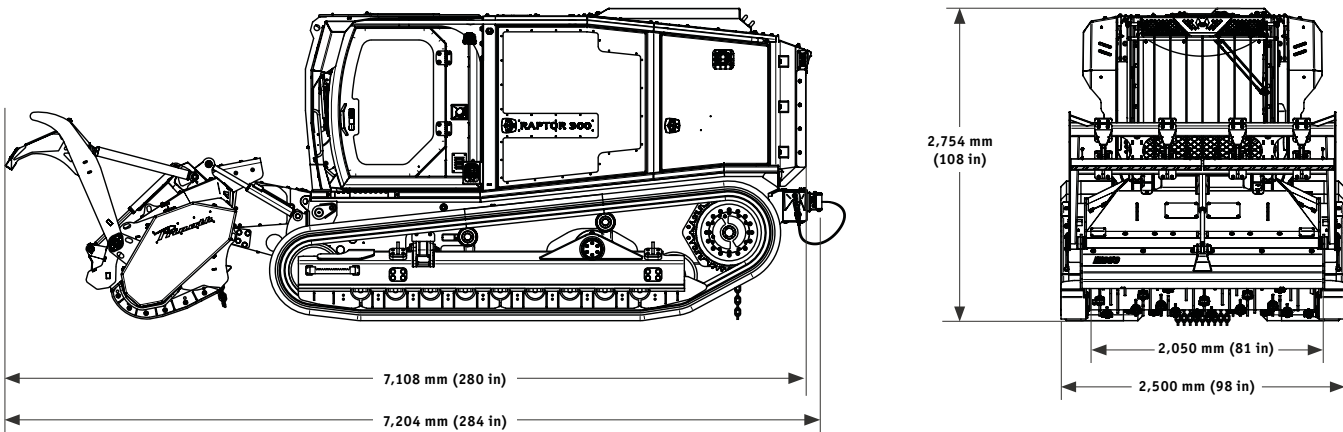
GRADEABILITY

Gradeability sideways	35°
Gradeability frontal	45°

ATTACHMENT GRIZZLY M650m

Rotor diameter	650 mm (25.6 in)
Working width	2,050 mm (81 in)
Total width	2,500 mm (98 in)
Weight*	2,990 kg (6,592 lbs)
Tools	56 x BCS / 48/60 x UPTs

* Weight depending on the configuration of the machine



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