

# Bulldozer Transmission System

This bulldozer transmission system ensures efficient power transfer. It features a hydraulic torque converter and a power shift planetary gear transmission.



## Overview

### Heavy-Duty Earthmoving Capability

This heavy-duty bulldozer is engineered for demanding earthmoving and grading operations. Featuring a robust power system and a high-capacity semi-U blade, it delivers consistent performance in challenging environments. The advanced transmission and hydraulic systems ensure precise control and operational efficiency for professional construction projects.

## Performance Metrics

### Rated Power

<b>310 kW</b> Rated Power	<b>420 HP</b> Rated Horsepower
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Operating Weight: 49000 kg

Blade Capacity: 16 m<sup>3</sup>

## Transmission System

### Transmission Configuration

- Hydraulic torque converter
- Power shift planetary gear transmission
- F3-R3 gear configuration
- Electro-hydraulic control

### Steering and Braking

Component	Type/Description
Steering Clutch	Wet, multi-plate, spring-compressed, hydraulic release, electro-hydraulic control
Steering Brake	Floating band type, hydraulic assist, electro-hydraulic control

## Undercarriage

### Track Specifications

Feature	Specification
Suspension	K-type resilient structure
Carrier Rollers	2 per side
Track Rollers	7 per side
Track Shoes	41 per side
Shoe Width	610 mm

## Dimensions

Overall Dimensions	9630mm x 4300mm x 3955mm
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## Hydraulic System

Operating Pressure	21 MPa
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