

# Bulldozer Engine

This bulldozer engine has a 14010ml displacement and a rated power of 162kW at 1800r/min. It is suitable for bulldozers with a working weight of 23400kg and a bucket capacity of 6.4m<sup>3</sup>.



## Overview

### SD22 Heavy-Duty Bulldozer

The SD22 is a robust bulldozer engineered for demanding earthmoving and construction applications. Powered by a high-performance Cummins engine, it delivers 220HP for efficient operation in various environments. With a versatile hydraulic system and multiple blade configurations, this machine offers exceptional control and productivity for site preparation and heavy lifting tasks.

## Engine Performance

### Rated Power

**162 kW**

Rated Power

**220 HP**

Rated Power

### Engine Specifications

Parameter	Value
Model	Cummins NT855-C280S10
Displacement	14010 ml
Rated Speed	1800 r/min
Max Torque	1030 N.m / 1250 rpm
Min Fuel Consumption	205 g/KW.h

## Dimensions & Capacity

### Machine Dimensions

- Standard: 5459 x 3725 x 3361 mm
- With Ripper: 6805 x 3725 x 3361 mm

Working Weight: 23400 kg

Bucket Capacity: 6.4 m<sup>3</sup>

## Hydraulic System

Max Working Pressure: 14 MPa

Pump Flow Rate: 262 L/min

## Blade Configuration

### Blade Performance

Metric	Value
Ground Clearance	405 mm
Max Cutting Depth	540 mm

**Blade Types** Straight Tilting, Angle Blade, U-shaped

## Undercarriage

### Roller Configuration

- 2 Carrier rollers per side
- 6 Track rollers per side

**Travel System** Eight-character beam oscillating structure

## Transmission

### Transmission System

- Single-stage single-phase three-element torque converter
- Planetary gear transmission
- Wet multi-disc steering clutches