

SD16 Bulldozer

The SD16 bulldozer features a water-cooled, inline 4-cycle direct injection engine. It has a power transmitting system with a torque converter and a wet multi-disc spring loaded hand hydraulically separated steering clutch.



Overview

SD16 Bulldozer Overview

The SD16 Bulldozer is a robust earthmoving machine designed for demanding construction and industrial applications. It features a powerful 120 kW engine and a sophisticated power transmitting system, ensuring high performance and reliability. With its durable undercarriage and efficient hydraulic controls, this machine offers precise operation and consistent power delivery for various grading and clearing tasks.

Engine Performance

Rated Power

120 kW

Rated Power

1850 r/min

Rated Revolution

Engine Technical Details

Specification	Value
Engine Type	Water-cooled, inline 4-cycle, direct injection
Cylinder-Bore-Stroke	6-121-152 mm
Max Torque	764 N.m
Min Fuel Consumption	214 g/kW.h

Undercarriage System

Track Details

- Track Shoe Width: 510 mm
- Track Pitch: 200.2 mm
- Sprayed beam suspended structure of equalizer

Hydraulic System

Hydraulic Metrics

14 MPa

Max Pressure

243 L/min

Discharge

Pump Type

Gear pump

Power Transmitting System

Steering and Braking

- Steering Clutch: Wet multi-disc, spring loaded, hydraulically separated
- Brake: Wet standing structure with hydraulic booster

Transmission Features

Torque converter, 3-element, 1-stage, 1-phase, Planetary gear power shift, Forced lubrication, Spiral bevel gear