



Machine weight: 25.5 t
Engine power: 185 kw

SD7K



Basic information



SD7K Bulldozer

SD7K bulldozer is semi-rigid suspended, elevated sprocket, the tier III electronic control engine, hydrostatic transmission infinitely variable speed, full power matching, automatic control independent cooling system. Electronically controlled engine with full power matching pattern, low pollution and energy saving; The SD7K bulldozer is integrated with modular design, easy to repair and maintenance; Electric proportion control transmission system and implement

pilot hydraulic control, operation accurately and comfortable; Human-computer interaction instrument display, fully sealed air conditioning cab. It can be equipped with angle blade, U-shaped blade, single shank ripper, three shanks ripper and variety of working device, It is an ideal machine used in transportation construction, desert, oil field, electric power project, mining and other large earth moving projects.

Basic information

Model	SD7K(240hp)
Emission standard	China Nonroad Stage III
Engine model	Weichai WP12G250E302
Rated revolution (rpm)	2100
Net power (kW) [ISO 9249]	185
Max. torque (N.m./rpm)	1200/750-1400
Rated fuel consumption (g/kw.h)	182-202
Blade	Semi-U Tilting Blade
Operating weight (kg) [Not including ripper]	25500
Ground pressure (kpa)	77.9
Track gauge (mm)	1980
Min. ground clearance (mm)	470
Gradient (Longitudinal/Transverse)	30° / 25°
Blade capacity (m³)	8.2
Blade width (mm)	3552
Max. cutting depth (mm)	498
Overall dimension (mm) [Not including ripper]	5764 x 3552 x 3402
Undercarriage type	The track is triangle shape. The sprocket is elevated.
Number of track rollers (single side)	7
Pitch (mm)	216
Track shoe width (mm)	560
Track shoe type	Single-grouser
Country of origin	People's Republic of China
Fuel tank capacity (l)	480
Gear	
Forward km/h	0-10.5
Backward km/h	0-10.5

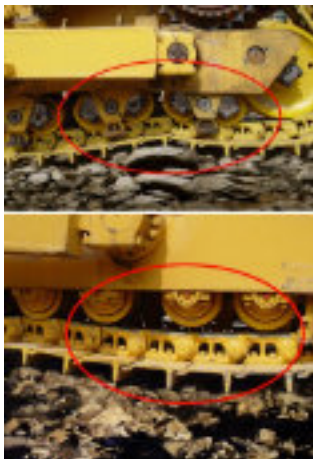


Advantages

The modular design of the machine significantly simplifies service and maintenance procedures by allowing quick and easy access to key components. Individual modules can be inspected, removed, or replaced with minimal disassembly, reducing service time and the need for complex interventions. This

approach shortens maintenance intervals, minimizes unplanned downtime, and ensures faster return to operation. As a result, overall machine availability is increased, while owning and operating costs are reduced through lower labor requirements, optimized service efficiency, and extended component life

- Isolates final drives from impact loads for extended power train life.
- Protects sprocket teeth, bushings and final drives from debris, abrasive materials and moisture.
- Provides long-lasting final drive performance and durability.

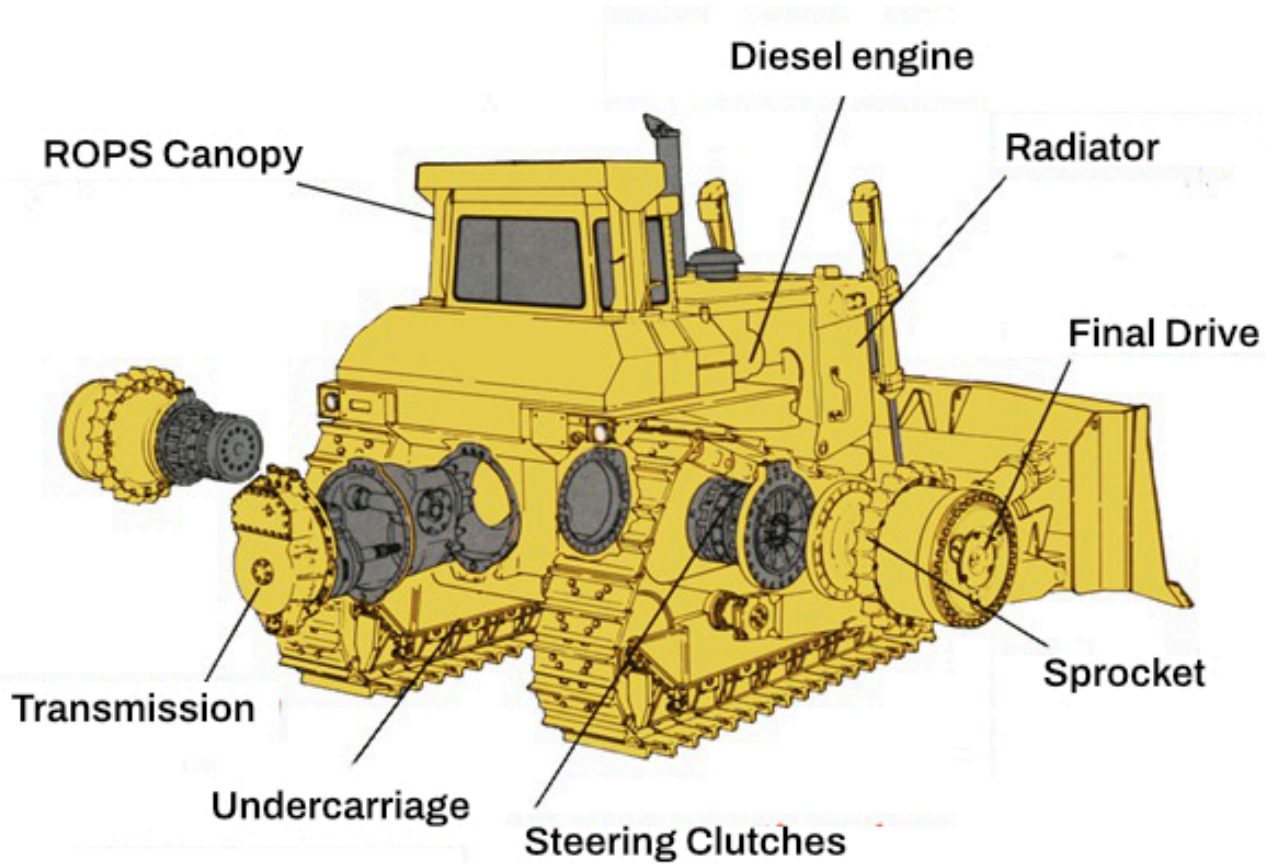


- The walking system is equipped with an elastic suspension device, which facilitates the icller wheel in overcoming obstacles. The continuous sub-suspension, through its floating action, allows the machine to closely follow the ground surface. This system absorbs ground impact loads, reducing approximately 50% of the shock transmitted to the chassis. It improves the smoothness of vehicle travel and driver comfort, while also increasing the contact area between the tracks and the ground (by about 15%), thereby enhancing the overall traction of the machine.

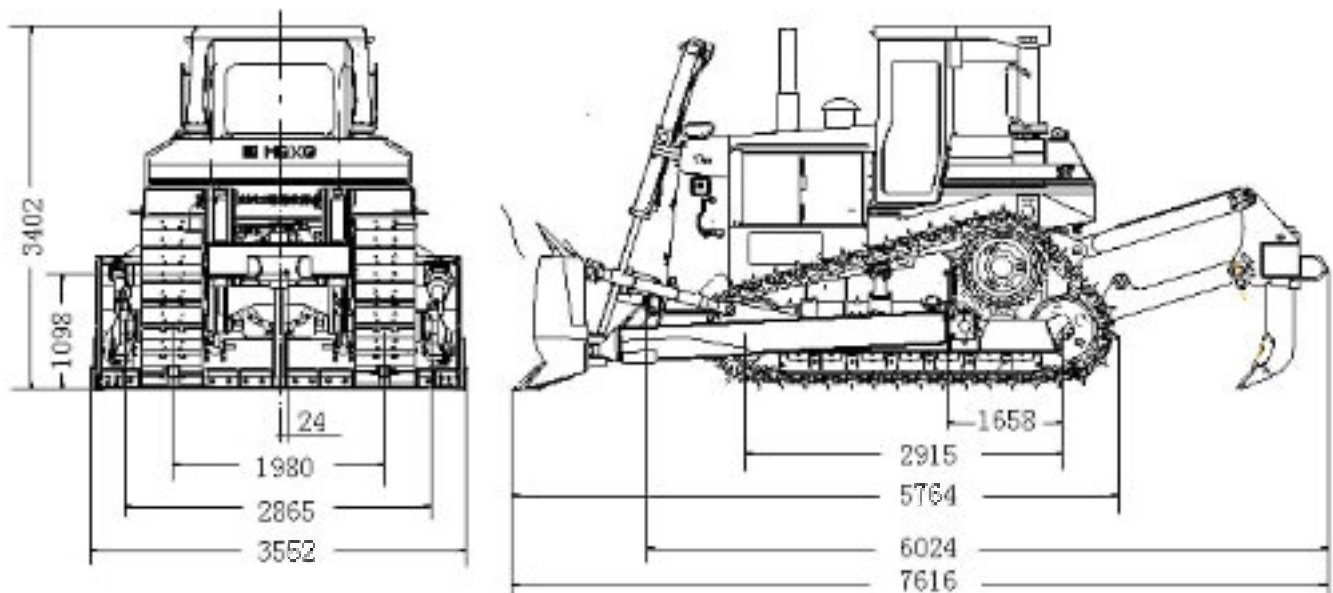
- The tilting cylinders are mounted nearly vertically adjacent to the machine frame, significantly reducing the hydraulic pressure required to generate equivalent digging force. The angled support structure positions the blade closer to the machine, enabling more precise grading and load control. The high-capacity blade increases productivity by approximately 25% compared to standard bulldozers during pushing operations.



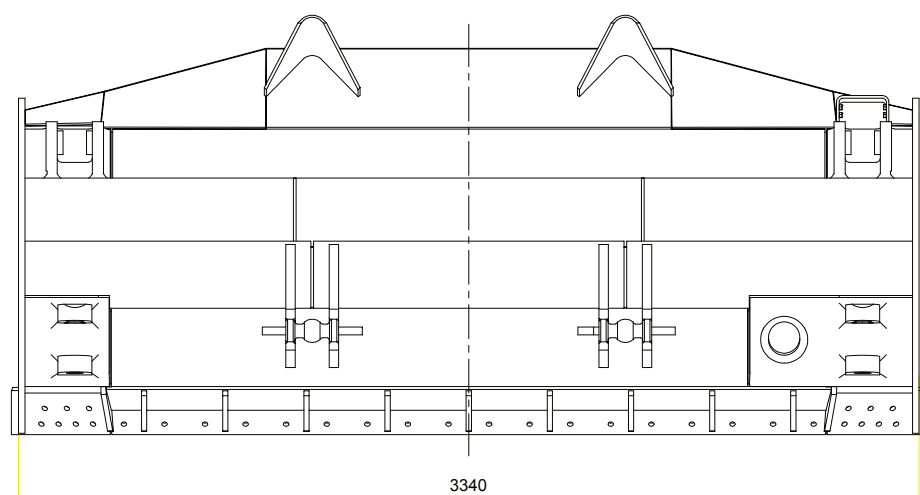
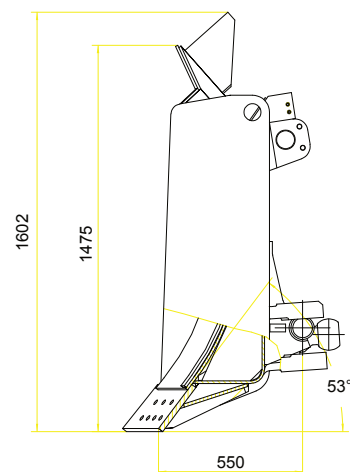
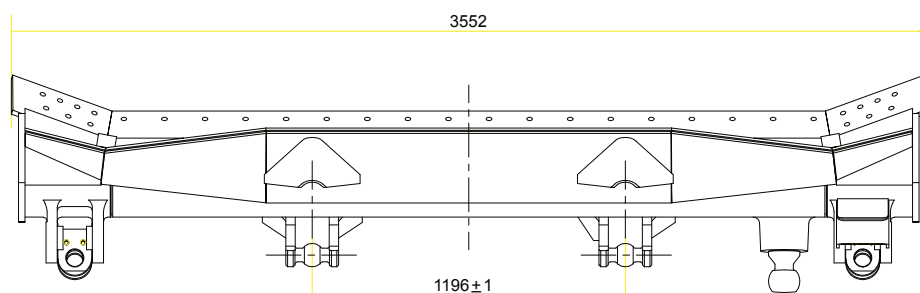
Modular design



Dimensions



Blade dimensions



Standard and optional equipment

Operator environment / Requirement	Standard
Back-up alarm	✓
Diagnostic connector	✓
Forward warning horn	✓
Standard lights - 6	✓
Additional light on blade lifting cylinders 2050 lm]	✓

Component / Feature	Standard
Cab - Integrated ROPS[ISO 3471:2008]/FOPS[ISO 3449:2005 Level II]	✓
Air suspension seat	✓
Adjustable armrest	✓
Retractable seatbelt	✓
Differential steering tiller-bar dual twist control	✓
Heater and air conditioning	✓
Electronic monitoring system: hydraulic temperature, powertrain temperature, engine coolant temperature, fuel level, engine speed/tachometer, service hour meter	✓
Rear vision camera	✓
Rear view mirror	✓
Decelerator pedal	✓
Dash footpads	✓
Glove box	✓
System warning lamps	✓
Wipers	✓
Standard operator arrangement	✓
Operator sound pressure level [ISO 6396:2008] (dB)	83
Exterior sound power level [ISO 6395:2008] (dB)	117

