

# SD7N推土机

## SD7N BULLDOZER



半刚性悬挂、液力机械传动、高驱动，全液压操纵的履带推土机；整机模块化设计，拆装维修简便；差压溢流、液压系统环保节能、工作效率高。按人机工程设计的操纵系统轻便、省力、准确。电子监控、防倾翻司机室；可选配U型铲、单钩、三钩松土器等多种工作装置；是交通、沙漠、油田、电力、矿山等大型土石方施工的最理想机械。

SD7N bulldozer is 230 horsepower track-type dozer with elevated sprocket, power shift drive, semi-rigid suspended and hydraulic controls. SD7N-230 horsepower, elevated sprocket bulldozer integrate with modular design is easy to repair& maintenance, It relieves oil with difference pressure, the hydraulic system performs protecting environment and save energy with high working efficiency. Safety and comfortable operation condition, electric monitoring and ROPS cabin with reliable entire quality, excellent service is your wise choosing. It can be equipped with straight tilting blade, angle blade, coal pushing blade, U shape blade; single shank ripper, three shanks ripper; ROP, FOPS, forest defense cabin etc. It is an ideal machine used in communication, desert, oil field, power, mining etc large earth moving program.

## 推土机性能参数 Specifications

铲刀型式 Dozer	直倾铲 Tilt
使用质量 (不带松土器) Operation weight (kg)	23800
接地比压 Ground pressure (kpa)	71.9
履带中心距 Track gauge (mm)	1980
最小离地高度 Min. ground clearance (mm)	404
坡行性能 Gradient	30° / 25°
铲刀容量 Dozing capacity (m <sup>3</sup> )	8.4
铲刀宽度 Blade width (mm)	3500
最大切土深度 Max. digging depth (mm)	498
外形尺寸 (长 X 宽 X 高) Overall dimensions (mm)	
直倾铲 Tilt (不带松土器)	5677 × 3500 × 3402
(带松土器)	7616 × 3500 × 3402

### 发动机 Engine

1.型式 Type	康明斯 NT855-C280S10
额定转速 Rated revolution (rpm)	2100
额定功率 Rated power (KW)	185
最大扭矩 Max. torque (N.m/rpm)	1097/1500
燃油消耗率 Rated fuel consumption (g/KW·h) ≤	235
2.型式 Type (可选配 May be choosed)	潍柴 WD12

### 传动系统 Driving system

变矩器	外分流式液力机械变矩器。
Torque converter	Torque conver is power separating hydraulic-mechanic type.
变速箱	变速箱为行星齿轮传动，动力换挡变速箱。前进三档，后退三档。可实现档位和方向的快速变换。
Transmission	Planetary, power shift transmission with three speeds forward and three speeds reverse. speed and direction can be quickly shifted.
转向离合器	转向离合器为免调式、湿式多片、液压压紧的非常结合离合器。
Steering clutch	The steering clutch is hydraulic pressed, non-constant engaged clutch.
转向制动器	制动离合器为免调式、湿式多片、碟簧压紧、液压分离的常结合离合器。
Steering brake	The braking clutch is hydraulic pressed by spring, separated hydraulic, constant meshed type.
最终传动	终传动为两级行星减速机构，飞溅润滑。
Final drive	The final drive is two-stage planetary reduction gear mechanism, splash lubrication.

### 行走系统 Undercarriage system

型式	履带呈三角形布置，驱动链轮高置，半刚性悬挂。		
Type	The track is triangle shape. The sprocket is elevated.		
支重轮数量 (单侧)	7		
Number of track rollers (each side)			
链轨节距 Pitch (mm)	216		
履带板宽度 (mm)	560		
Width of shoe (mm)			
速度档 Gear	一档 1st	二档 2nd	三档 3rd
前进 Forward km/h	0-3.9	0-6.5	0-10.9
后退 Backward km/h	0-4.8	0-8.2	0-13.2

### 工作装置液压系统 Implement hydraulic system

最高系统压力 Max. system pressure (Mpa)	20
油泵型式 Pump type	高压齿轮泵 High perssure gears pump
系统流量 System output (L/min)	170
控制方式 Control type	先导控制 Pilot control







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