

SD7N

Next-Generation Performance. Built to Last.

230 HP N-Series bulldozer for large earthmoving, mining and construction projects

World Focus 1724CC

Official HBXG Agent - South Africa & Africa



Overview

The HBXG SD7N is a 230 HP elevated sprocket N-Series bulldozer designed for high-output performance in demanding construction and mining environments. Featuring an elevated sprocket, power shift drive, advanced hydraulic control and a ROPS-certified cab, the SD7N delivers maximum efficiency and operator comfort on large-scale projects.

The N-Series platform delivers modular serviceability, advanced hydraulic architecture and multi-blade configurations, making the SD7N the ideal choice for transportation construction, oil fields, desert operations and open-cast mining.



Key Benefits

Performance	Maximum output per hour with proven Cummins and Weichai powertrain technology.
Durability	Elevated sprocket, modular design and hardened undercarriage components for African conditions.
Cost Efficiency	40-50% lower purchase price than European alternatives with comparable performance and lower total cost of ownership.
Reliability	1 year or 2,000 hour warranty. Remote technical support and free technician training included with every machine.
Serviceability	Modular architecture reduces planned maintenance downtime. Factory spare parts available direct from HBXG.

Technical Specifications

Engine Model	Cummins NT855-C280S10	Min Ground Clearance	404 mm
Rated Power	185 kW / 248 HP (230 HP class)	Torque Converter	Power-separating hydraulic-mechanical
Rated Speed	2,100 RPM	Transmission	Planetary power shift - 3 forward / 3 reverse
Max Torque	1,097 N.m @ 1,500 RPM	Steering Clutch	Hydraulic-pressed - wet multi-disc
Fuel Consumption	235 g/kW.h or less	Final Drive	Two-stage planetary - splash lubrication
Operating Weight	24,300 kg (without ripper)	Undercarriage	Triangular elevated sprocket - elastic suspension
Ground Pressure	74.1 KPa	Track Rollers	7 each side
Track Gauge	1,980 mm	Track Pitch	216 mm
Blade Type	Tilt Blade (standard)	Track Shoe Width	560 mm
Blade Width	3,552 mm	Hydraulic Pressure	20 MPa
Dozing Capacity	8.1 m ³	Hydraulic Output	170 L/min
Max Digging Depth	498 mm	Overall Dimensions	5,857 x 3,552 x 3,402 mm (without ripper)
Gradeability	30 deg forward / 25 deg backward		

Purchase Guarantee

General Warranty: 1 year or 2,000 operating hours from delivery (whichever comes first).

Electrical Components Warranty: 600 hours or 6 months.

Track and Wear Parts: 6 months or 800 hours against manufacturing defects.

Free factory technician training included with every machine purchase.

Remote video technical support included throughout the warranty period.

Major Components: HBXG factory holds all major structural and drivetrain components (engines, transmissions, final drives and hydraulic pumps).

Minor and Service Parts: World Focus 1724CC holds all minor consumable and service parts locally in South Africa for fast local turnaround.

Features & Advantages

Elevated Sprocket and Suspension

The triangular elevated sprocket layout keeps the final drive above abrasive ground debris, dramatically reducing track and sprocket component wear in harsh African conditions.

Advanced Hydraulic System

Energy-saving hydraulic architecture provides precise, labour-saving blade control reducing operator workload while increasing output accuracy and machine efficiency.

Ergonomic Cab Design

Single-lever steering, air-conditioned ROPS cab, electric monitoring panel, and optimised control positioning for sustained long-shift operation.

Cummins Engine Reliability

The Cummins NT855 engine is proven across millions of operating hours on African mining and construction sites with an established parts network throughout Africa.

Multi-Configuration Blades

Straight Tilting, U-Shape, Angle and Coal Blade options available. Single and Three-Shank Ripper configurations for hard-ground and sub-surface applications.

Modular Maintenance Design

Component modularisation enables rapid sub-assembly replacement with standard tooling, minimising planned maintenance windows and reducing total cost of ownership.

Applications

Application	Description
Open-Cast Mining	Overburden stripping and coal seam exposure on large mining operations.
Transportation Construction	Road formation, cutting and bulk earthmoving on highway and road projects.
Oil Field and Desert Ops	High-output performance in remote, arid environments.
Electric Power Construction	Large-scale earthworks for transmission lines and substations.
Land Clearing	Vegetation clearing and topsoil stripping on development sites.

Why Choose HBXG

75+ Years of Manufacturing	HBXG has manufactured heavy equipment since 1950. A proven global track record that no new brand can replicate.
40-50% Cost Advantage	HBXG machines deliver comparable performance to leading European brands at 40-50% lower purchase price.
Proven Powertrains	Cummins and Weichai engines — globally serviced, proven on African sites, with established parts and service networks.
Full Warranty and Training	1 year or 2,000 hour warranty, free factory technician training, and remote video support on every machine purchased.
Africa-Focused Support	World Focus 1724CC provides dedicated in-country support, logistics and after-sales service across South Africa and Africa.

READY TO DISCUSS YOUR PROJECT?

Contact World Focus 1724CC today for specifications, pricing and delivery terms for the HBXG SD7N.

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