

SD8N

Large-Scale Power. Engineered for Africa.

High-powered elevated sprocket bulldozer for mining, land clearing and heavy infrastructure

World Focus 1724CC

Official HBXG Agent - South Africa & Africa



Overview

The HBXG SD8N is a robust, high-powered large-class elevated sprocket bulldozer engineered for heavy-duty earthmoving on major mining, construction and infrastructure projects. Featuring hydraulic-mechanical transmission, semi-rigid suspension, pilot hydraulic controls and modular design, the SD8N delivers exceptional reliability and sustained performance in the most demanding conditions.

Its electric monitoring system provides real-time machine diagnostics, while the planetary power shift transmission enables quick gear and direction shifts, maintaining productivity through continuous high-load dozing cycles.



Key Benefits

Performance	Maximum output per hour with proven Cummins and Weichai powertrain technology.
Durability	Modular design and hardened undercarriage components engineered for African operating 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	Chongqing Cummins NT855-C360S10	Min Ground Clearance	556 mm
Rated Power	257 kW / 344 HP	Torque Converter	Power-separating hydraulic-mechanical
Rated Speed	2,100 RPM	Transmission	Planetary power shift - 3 forward / 3 reverse
Torque Reserve	20%	Steering Clutch	Hydraulic-pressed - wet multi-disc
Operating Weight	32,000 kg (without ripper)	Braking Clutch	Spring-pressed - hydraulic-separated
Op. Weight with Ripper	36,800 kg	Final Drive	Two-stage planetary - splash lubrication
Ground Pressure	94 KPa (with ripper)	Undercarriage	Triangular elevated sprocket - elastic suspension
Track Gauge	2,083 mm	Track Rollers	8 each side
Blade Type	Straight Tilt Blade	Track Pitch	216 mm
Blade Dimensions	3,940 x 1,690 mm	Track Shoe Width	560 mm
Dozing Capacity	11.24 m ³	Hydraulic Pressure	20 MPa
Max Digging Depth	582 mm	Hydraulic Output	220 L/min
Gradeability	30 deg forward / 25 deg backward	Overall Dimensions	7,751 x 3,940 x 3,549 mm (with ripper)

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 elevated sprocket reduces track and sprocket wear rates significantly, a critical advantage in rocky and abrasive African terrain conditions.

Hydraulic-Mechanical Transmission

Power-separating torque converter with planetary power shift transmission enables smooth, rapid gear and direction changes under full load.

Pilot Hydraulic Control System

Responsive pilot hydraulic blade and ripper controls give operators precise command with minimal physical effort, reducing fatigue during long shifts.

Real-Time Electric Monitoring

Onboard diagnostic system monitors all critical machine parameters, alerting operators and maintenance teams to developing faults before stoppages occur.

Multiple Blade and Ripper Options

Straight Tilt, U-Shape and Angle Blade configurations available. Single and Three-Shank Ripper options for hard ground ripping and root removal.

Modular Service Architecture

Modular component design allows rapid assembly and replacement of major sub-systems, reducing planned maintenance time and improving fleet availability.

Applications

Application	Description
Road Building and Highways	Large-scale cutting, filling and formation on national infrastructure projects.
Hydroelectric and Dam Projects	Mass earthworks for dam embankments and water control structures.
Land Clearing at Scale	Clearing heavy vegetation and topsoil across large development areas.
Open-Cast Mining	Strip mining, overburden removal and haul road construction and maintenance.
Port and Harbour Development	Large earthworks and reclamation projects in port environments.

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 SD8N.

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