

# SD9N

**430 Horsepower. Engineered Without Compromise.**

Flagship N-Series bulldozer for large-scale mining, desert and infrastructure operations

**World Focus 1724CC**

Official HBXG Agent - South Africa & Africa



## Overview

The HBXG SD9N is a 430 HP elevated sprocket N-Series bulldozer designed for sustained high-output performance on large-scale mining, road construction, desert and oil-field operations. It is one of the most capable machines in the HBXG range.

Featuring a Cummins KTA19 engine, hydraulic-mechanical transmission, triangular elevated sprocket layout, wet multi-disc clutch system, and a spacious ROPS/FOPS certified cab, the SD9N is engineered for projects where reliability and output over long continuous operating cycles are non-negotiable.



## Key Benefits

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

## Technical Specifications

<b>Engine Model</b>	Cummins KTA19-C525	<b>Torque Converter</b>	Power-separating hydraulic-mechanical
<b>Rated Power</b>	347 kW / 430 HP	<b>Transmission</b>	Planetary power shift - 3 forward / 3 reverse
<b>Rated Speed</b>	1,800 RPM	<b>Steering Clutch</b>	Hydraulic-pressed - wet multi-disc
<b>Torque Reserve</b>	18%	<b>Braking Clutch</b>	Spring-pressed - hydraulic-separated
<b>Operating Weight</b>	44,360 kg (without ripper)	<b>Final Drive</b>	Two-stage planetary - splash lubrication
<b>Op. Weight with Ripper</b>	48,880 kg	<b>Hydraulic Pump</b>	Plunger pump
<b>Ground Pressure</b>	102 KPa / 112 KPa (ripper)	<b>Hydraulic Pressure</b>	24 MPa
<b>Track Gauge</b>	2,250 mm	<b>Hydraulic Output</b>	240 L/min
<b>Blade Type</b>	Straight Tilt Blade	<b>Undercarriage</b>	Triangular elevated sprocket - elastic suspension
<b>Blade Dimensions</b>	4,314 x 2,000 mm	<b>Track Rollers</b>	8 each side
<b>Dozing Capacity</b>	13.5 m3	<b>Track Pitch</b>	240 mm
<b>Max Digging Depth</b>	614 mm	<b>Track Shoe Width</b>	610 mm
<b>Gradeability</b>	30 deg forward / 25 deg backward	<b>Overall Dimensions</b>	6,592 x 4,314 x 3,970 mm (without ripper)
<b>Min Ground Clearance</b>	517 mm		

## 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

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### Cummins KTA19 Engine

The Cummins KTA19-C525 is one of the most trusted heavy-duty construction engines in Africa, with proven field reliability, a wide service network and readily available parts.

### Elevated Sprocket and Elastic Suspension

Triangular elevated sprocket layout with elastic undercarriage suspension absorbs shock loads and extends track component life significantly in harsh conditions.

### High-Capacity Hydraulic System

A 24 MPa plunger pump delivering 240 L/min provides powerful, responsive blade and ripper control at full operating weight across all terrain types.

### Spacious ROPS/FOPS Certified Cab

Large air-conditioned cab meets FOPS and ROPS standards with low noise levels for sustained 10-12 hour operator shifts on remote mine sites.

### Pilot Hydraulic Precision Control

Labour-saving pilot hydraulic controls provide accurate, low-effort blade manipulation reducing operator fatigue and improving grading precision.

### Modular Architecture for Uptime

Modular design of major assemblies enables rapid component swap-out and simplified field maintenance with minimal dependency on workshop facilities.

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## Applications

Application	Description
<b>Large-Scale Open-Cast Mining</b>	High-volume overburden stripping and coal exposure on major operations.
<b>Major Road and Highway Construction</b>	Cutting, filling and bulk formation on national road projects.
<b>Desert and Oil Field Operations</b>	Sustained performance in remote, high-temperature arid environments.
<b>Port and Harbour Earthworks</b>	Large-scale land reclamation and bulk earthmoving in port environments.
<b>Water Conservation Projects</b>	Dam construction, embankment work and large drainage earthworks.

## Why Choose HBXG

<b>75+ Years of Manufacturing</b>	HBXG has manufactured heavy equipment since 1950. A proven global track record that no new brand can replicate.
<b>40-50% Cost Advantage</b>	HBXG machines deliver comparable performance to leading European brands at 40-50% lower purchase price.
<b>Proven Powertrains</b>	Cummins and Weichai engines — globally serviced, proven on African sites, with established parts and service networks.
<b>Full Warranty and Training</b>	1 year or 2,000 hour warranty, free factory technician training, and remote video support on every machine purchased.
<b>Africa-Focused Support</b>	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 SD9N.

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