

SD10N

670 Horsepower. The Pinnacle of HBXG Engineering.

Ultra-heavy bulldozer for open-pit mining, major infrastructure and large-scale earthworks

World Focus 1724CC

Official HBXG Agent - South Africa & Africa



Overview

The HBXG SD10N is the most powerful machine in the HBXG bulldozer range. A 670 HP sprocket-elevated, crawler-type bulldozer designed for superior performance on the world's largest and most demanding construction and mining operations.

Equipped with a Cummins QSK19-C755 diesel engine, hydraulic-mechanical transmission, elastic suspended undercarriage, and a built-in fault self-diagnosis system, the SD10N delivers maximum output with reduced operational complexity. Fully compliant with international emissions standards, purpose-built for open-pit mining, water conservation projects and heavy engineering construction.



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	Cummins QSK19-C755	Final Drive	Two-stage planetary - splash lubrication
Rated Power	493 kW / 670 HP	Forward Speed 1st	0 to 3.84 km/h
Rated Speed	1,800 RPM	Forward Speed 2nd	0 to 6.9 km/h
Swept Volume	19 litres	Forward Speed 3rd	0 to 11.4 km/h
Operating Weight	66,700 kg (without ripper)	Reverse Speed 1st	0 to 4.8 km/h
Ground Pressure	132 KPa	Reverse Speed 2nd	0 to 8.5 km/h
Track Gauge	2,250 mm	Reverse Speed 3rd	0 to 15.0 km/h
Blade Type	Semi-U Tilt Blade	Undercarriage	Triangular elevated sprocket - elastic suspension
Dozing Capacity	18.5 m ³	Track Rollers	8 each side
Max Digging Depth	674 mm	Track Pitch	260 mm
Gradeability	30 deg forward / 25 deg backward	Track Shoe Width	610 mm
Min Ground Clearance	716 mm	Hydraulic Pressure	18.8 MPa
Torque Converter	Power-separating hydraulic-mechanical	Hydraulic Output	419 L/min
Transmission	Planetary power shift - 3 forward / 3 reverse	Overall Dimensions	9,450 x 4,860 x 4,360 mm
Steering Clutch	Hydraulic-pressed - non-constant engaged		

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

Cummins QSK19 670 HP Engine

The QSK19-C755 is a 19-litre, 670 HP engine delivering 493 kW rated power, purpose-designed for the most demanding heavy equipment applications on earth.

Elevated Sprocket and Modular Design

Elevated sprocket with elastic suspended undercarriage absorbs extreme shock loads while protecting drivetrain components from abrasive terrain.

Built-In Fault Self-Diagnosis

Electronic fault self-diagnosis monitors all critical machine systems and displays alerts in the operator cab, enabling rapid fault identification on remote sites.

Electro-Hydraulic Controls

Precise electro-hydraulic controls for all mobility and operational functions deliver accurate dozing and ripper control at full 66,700 kg operating weight.

ROPS/FOPS Certified Cab

Large climate-controlled cab certified to ROPS and FOPS standards with panoramic visibility and low interior noise for extended 12-hour mining shift operation.

International Emissions Compliance

Fully compliant with domestic and international emissions standards, enabling SD10N deployment on projects with strict environmental compliance requirements.

Applications

Application	Description
Large-Scale Open-Pit Mining	Primary dozing, overburden stripping and push-load cycles on major mines.
Water Conservation Projects	Dam formation, embankment construction and large-scale drainage earthworks.
Desert and Remote Operations	High-capacity sustained performance in extreme heat and dust environments.
Major Transportation Projects	Cutting and bulk fill for national highways and rail corridor projects.
Oil Field and Energy Infrastructure	Mass earthworks for refineries, pipelines and energy installations.

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 SD10N.

Phone / WhatsApp: +27 61 074 1964

Email: info@hbxg.co.za Web: www.hbxg.co.za

World Focus 1724CC | Official HBXG Agent South Africa