

TY165-3

Versatile. Reliable. Engineered for Africa.

165 HP tracked bulldozer for road construction, mining, agriculture and infrastructure

World Focus 1724CC

Official HBXG Agent - South Africa & Africa



Overview

The HBXG TY165-3 is a powerful 165 HP tracked bulldozer designed for maximum efficiency and versatility across a wide range of earthmoving applications. Built with a hydraulic direct drive system, semi-rigid suspension, and advanced hydraulic-assist blade controls, the TY165-3 provides smooth, responsive and reliable operation with low maintenance costs.

The TY165-3 is equally at home on road construction sites, mining operations, agricultural land development, irrigation projects and port construction. Optional U-blade and three-shank ripper configurations extend its capability further into specialist applications.



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	Weichai WD10G178E25	Dozing Capacity	4.6 m ³
Engine Power	165 HP	Max Digging Depth	420 mm
Rated Speed	1,850 RPM	Gradeability	30 deg forward / 25 deg backward
Max Torque	830 N.m @ 1,000-1,200 RPM	Drive Type	Hydraulic direct drive
Fuel Consumption	215 g/kW.h or less	Transmission	Planetary gear - power shift - 3F / 3R
Operating Weight	17,550 kg	Steering and Braking	Multi-disc oil power clutch - hydraulic operation
Ground Pressure	68.3 KPa	Final Drive	Double-reduction - oil-sealed floating sprocket
Track Gauge	1,880 mm	Undercarriage	Swing-type - equalizer bar suspension
Blade Width	3,297 mm (standard blade)	Ripper Option	Three-shank ripper (optional)
U-Blade Capacity	5.2 m ³ (optional U-blade)	Blade Options	Standard blade or U-blade (5.2 m ³)

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

Hydraulic Direct Drive

The hydraulic direct drive system eliminates mechanical clutch components, delivering smooth and responsive power transfer while reducing driveline maintenance requirements.

Single-Lever Steering and Braking

Combined steering and braking control reduces operator workload, speeds direction changes and improves overall site productivity for operators of all experience levels.

Semi-Rigid Suspension Stability

Equalizer bar suspension provides excellent machine stability on uneven terrain, reducing blade bounce and improving grading accuracy on undulating sites.

Pilot Hydraulic Blade Control

Fingertip blade precision via pilot hydraulics enables accurate grade control on finish earthworking with minimal physical effort, reducing long-shift fatigue.

U-Blade High-Capacity Option

The optional U-blade with 5.2 m³ capacity increases material throughput significantly over the standard blade, ideal for bulk earthmoving and high-volume push operations.

Double-Reduction Final Drive

Double-reduction final drive with floating oil-sealed sprocket extends component life in abrasive soil conditions and simplifies sprocket maintenance on site.

Applications

Application	Description
Road Construction	Subgrade cutting, material spreading and formation on road projects.
Mining Operations	Overburden dozing, haul road maintenance and mine site preparation.
Agricultural Land Development	Land clearing, levelling and drainage preparation on farmland.
Irrigation and Drainage	Canal formation and earthworks for irrigation and drainage schemes.
Port and Harbour Construction	Material handling and earth levelling 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 TY165-3.

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