

TRACKED DUMPERS

Dump truck with lifting and tipping mechanism

Model BL-500S

Technical Specifications & Product Selection

**Yellow and black color scheme**

Standard color

Koop 173 Euro V Diesel Engine

Configuration upgrade

Product code: EDT026HY002

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Payload, body volume and terrain fit

Rated payload, body volume, machine mass, dimensions, power and tipping geometry describe different quantities. Match the exact tracked dumper to the material and route; mass, payload and volume are not interchangeable.

Start with the complete specifications on page 3. Review the actual configuration and supported options, then compare the product with the intended application.



CORE PRODUCT DATA

Technical specifications

Dump truck with lifting and tipping mechanism / Model BL-500S

Specification	Product data
Model	BL-500S
Standard color	Yellow and black color scheme
Feature Overview	High-mobility tracked chassis adapts to complex terrains. Features a self-loading bucket - no auxiliary equipment needed. Combined with a hydraulic lifting self-unloading system, the discharge height is adjustable for easy docking with platforms, enabling integrated efficient operation from loading to high-position dumping - saving labor and cost, improving efficiency.
Standard product configuration	Briggs & Stratton Vanguard 6.5HP gasoline engine + electronic control switch system + driveline assembly Hydraulic pump + control valve + control console Hydraulic hopper + removable hopper guard + hydraulic shovel Folding step + rubber track chassis Hydraulic lifting device
Configuration upgrade	Koop 173 Euro V Diesel Engine
Applications	Agricultural and forestry applications: Suited for orchards, forest farms, and livestock operations.; The tracked chassis effortlessly handles muddy slopes and uneven terrain, enabling direct connection with trucks and feed towers/high-level feed silos for unloading, eliminating the need for manual secondary handling and ensuring efficient transport of fruits and vegetables, feed, and timber.; These machines can navigate tight job sites while seamlessly connecting to dump trucks and high-level material silos to transport sand, gravel, and excavated spoil, eliminating the need for intermediate transloading.; Special operating conditions: Designed for small-scale mines, underground operations, and waste-handling facilities, it handles challenging terrain while seamlessly interfacing with mine haulers and transfer vehicles for unloading, addressing the pain points of material handling on sites with significant elevation differences and minimizing manual contact with materials.

CORE PRODUCT DATA

Specifications - continued

Dump truck with lifting and tipping mechanism / Model BL-500S

Specification	Product data
Customer Profile	Individual farmers and livestock breeders: rural workers at the county level.; Their pain points include high labor costs for secondary handling and difficulties in connecting feed silos with trucks.; They prioritize price, fuel efficiency, and lifting stability, seeking labor-saving, high-efficiency operations.; They prioritize lifting height and durability while seeking multi-functional equipment to reduce costs and boost productivity.; key pain points include confined spaces requiring connection to elevated tanks and wheeled vehicles damaging the ground.; They prioritize track-based systems for their protective qualities and adjustable lifting compatibility, ensuring versatility across a wide range of operational scenarios.; Small-scale mine operators-users in harsh working conditions-face pain points such as poor road surfaces, challenging material handling on uneven terrain, and frequent equipment breakdowns.; They prioritize track-based machine quality and lifting stability, seeking solutions that can withstand prolonged exposure to severe operating environments.; Construction Equipment Leasers: County-level rental operators face the pain point of limited rental utilization due to the lack of flexible financing options.; They prioritize equipment versatility and low-cost spare parts, seeking multi-scenario adaptability to achieve high equipment utilization rates.

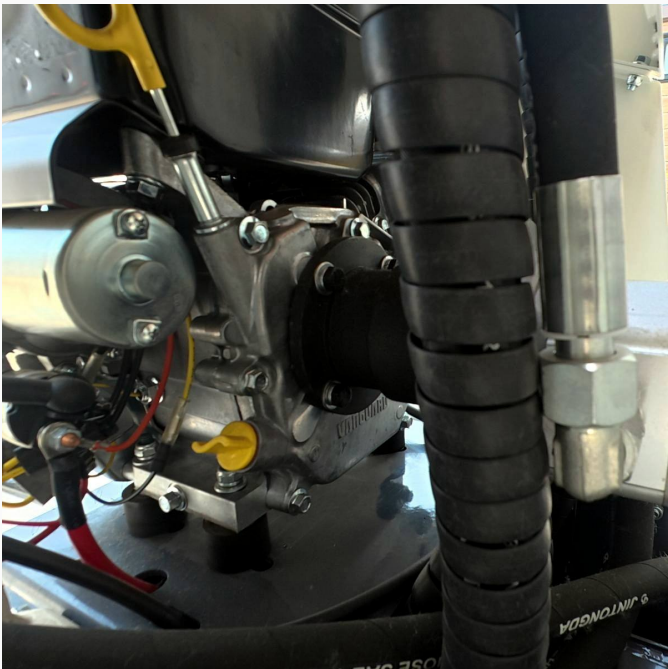
its handling and visibility facilitate on-site maneuverability and precise unloading at designated locations.



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Structure & configuration

Component / configuration	Function / scope
Front Loading Bucket	Heavy-duty front bucket supports scooping, pushing, and auxiliary loading before material transfer.
High-Capacity Dump Hopper	Wide hopper opening carries loose soil, gravel, and construction material for compact site transport.
Hydraulic Dump Cylinder	Hydraulic cylinder powers smooth hopper lifting and tipping for controlled material discharge.
Scissor-Lift Structure	Scissor-lift frame raises the hopper for controlled discharge at elevated stations and varied heights.
Control Linkage Rod	Control linkage connects the operating mechanism and lever for direct, flexible machine control.
Engine Side Cover	Protective ventilated cover shields the fitted powertrain components.
Component groups	Connecting Pins and Fasteners.



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Application & product selection

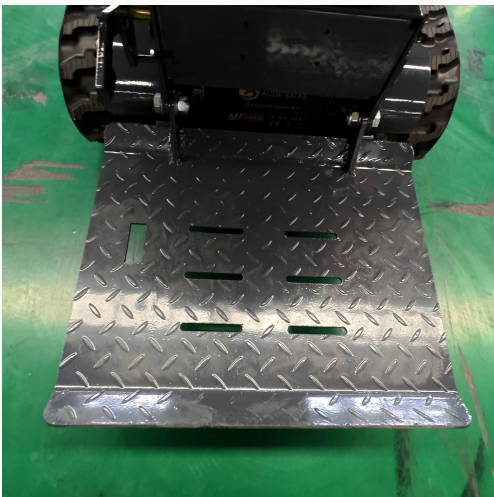


Construction-site hauling; Farm and landscaping transport; Confined-site material movement.

Selection input	Review together
Material and load	Actual material density and load against stated payload/body volume.
Dumper version	Specified body, tipping, engine/drive, tracks and control arrangement.
Route and site	Access, ground condition, slope/clearance and actual load distribution.

Ordered configuration

Retain the exact model, specification option and included accessory scope in the written order.
Application photographs illustrate context, not inclusion of adjacent items.



TRACKED DUMPERS

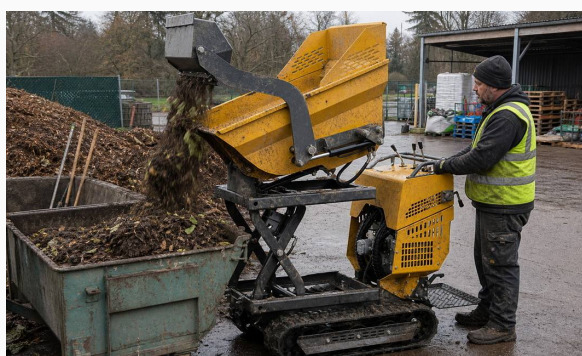
Product views

Grouped views identify the product form and its application setting.



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Product views



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Components & interfaces

Grouped detail views identify the fitted components and interfaces.



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Accessory configuration

Grouped companion components are distinct from the main product; inclusion follows the written order.



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Structural decomposition



Assembly relationships

The separated view identifies the principal product assemblies and their physical relationship; supplied scope follows the exact written configuration.