

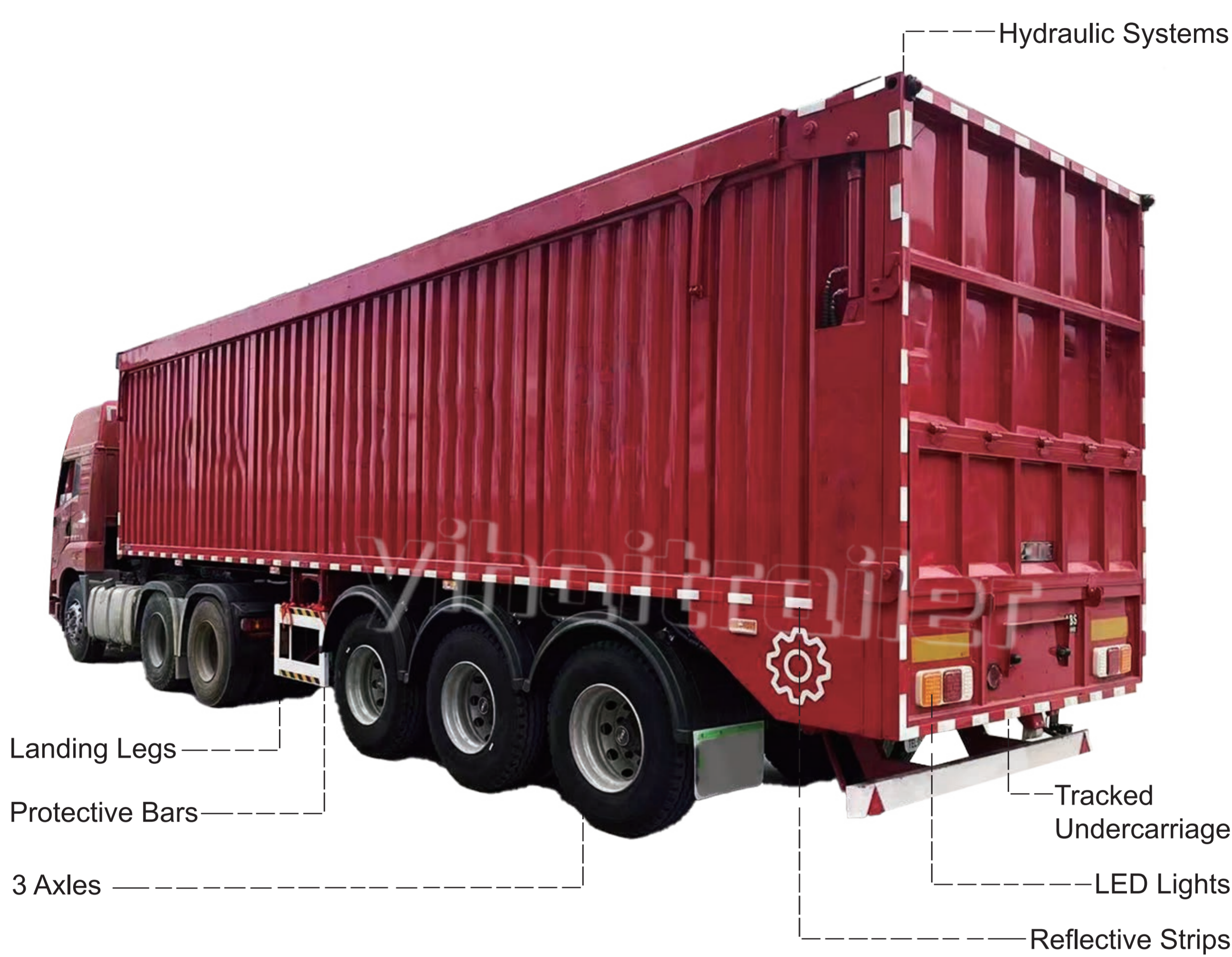
A crawler dump trailer is a specialized type of heavy-duty trailer designed for off-road use and commonly utilized in construction, mining, and other rugged terrains.

Unlike traditional trailers that rely on wheels, crawler dump trailers are equipped with a tracked undercarriage, similar to those found on crawler dozers or excavators. This tracked system provides enhanced stability and mobility in challenging environments where conventional wheeled trailers might struggle.



- 1.The tracked design contributes to increased stability. This is particularly beneficial when navigating steep inclines or working on uneven surfaces. The low center of gravity provided by the tracked undercarriage helps prevent tipping and ensures a more secure operation.
- 2.Crawler dump trailers are versatile and well-suited for various applications. Their ability to maneuver through challenging landscapes makes them indispensable in construction, mining, and other industries where materials need to be transported across rugged terrains.
- 3.These trailers are designed to handle heavy loads efficiently. The robust construction and durable materials allow them to transport significant volumes of materials, making them ideal for large-scale construction projects, mining operations, and other tasks requiring substantial payload capacity.

Specification		
Length	Overall Length	8,600mm
Width	Overall Width	2,500mm
Height	Overall Height	3,890mm
	Height Of Box	2,000mm
Axles Space	1,310mm	
Volume	40CBM±2%	
Hydraulic System		
Control Mode	Wireless remote control and wired dual control system.(optional)	
Hydraulic System	Full Set Hydraulic System With 220mm Hydraulic Cylinder	



Protective Bars

The protective bars on a trailer help improve road safety by reducing the risk of accidents. It decreases the chances of collisions and injuries resulting from small vehicles accidentally entering the underside of the trailer, thus protecting the safety of other road users.



Hydraulic Systems

Hydraulic systems provide more precise and smooth control, especially crucial for tasks that require high precision. Moreover, compared to traditional control methods, hydraulic systems are more efficient and can respond to operator commands more quickly.



Landing Legs

Landing legs of trailers provide crucial support and stability, preventing tipping during parking and allowing for efficient loading and unloading. Their adjustability and ease of deployment contribute to versatile usage across different trailer types.



Tracked Undercarriage

Crawler dump trailers are equipped with a robust tracked undercarriage, similar to those found on tracked construction equipment.



Crawler dump trucks are primarily used in the following fields:

- 1.**Construction and Civil Engineering:** Crawler dump trucks are commonly used on construction sites and civil engineering projects for transporting and unloading materials such as earth, sand, and gravel.
- 2.**Mining Industry:** In the mining industry, crawler dump trucks are utilized for transporting and unloading heavy materials like ore, tailings, and coal.
- 3.**Infrastructure Construction:** Crawler dump trucks play a crucial role in infrastructure construction projects such as road construction, bridge building, and tunnel engineering.



Some crawler dump trailers feature an articulated design that enhances maneuverability. This articulation allows the trailer to navigate tight spaces and make turns more effectively, contributing to increased efficiency on job sites with limited accessibility.



FAQ

- 1.How does the hydraulic dumping mechanism work?
---The hydraulic dumping mechanism of a crawler dump trailer uses hydraulic cylinders to raise the dump bed, allowing materials to be unloaded easily at the desired location. This feature enhances efficiency in material handling.
2. What is the typical payload capacity of a crawler dump trailer?
---Payload capacity can vary depending on the model and manufacturer, but crawler dump trailers are known for their ability to handle heavy loads. Capacities can range from several tons to over 100 tons, depending on the specific design and intended use.
3. Are crawler dump trailers suitable for highway use?
---Crawler dump trailers are primarily designed for off-road use. While some models may be transported on highways for short distances, they are not optimized for highway speeds and are better suited for off-road applications.