

The car carrier trailer adopts a unique folding multi-floor structure, which achieves complete overlap of the first and second floors through foldable structures and multiple hydraulic structures. This innovative design allows different sizes containers to be transported in the stowed position without exceeding the total transport height limited by traffic regulations.

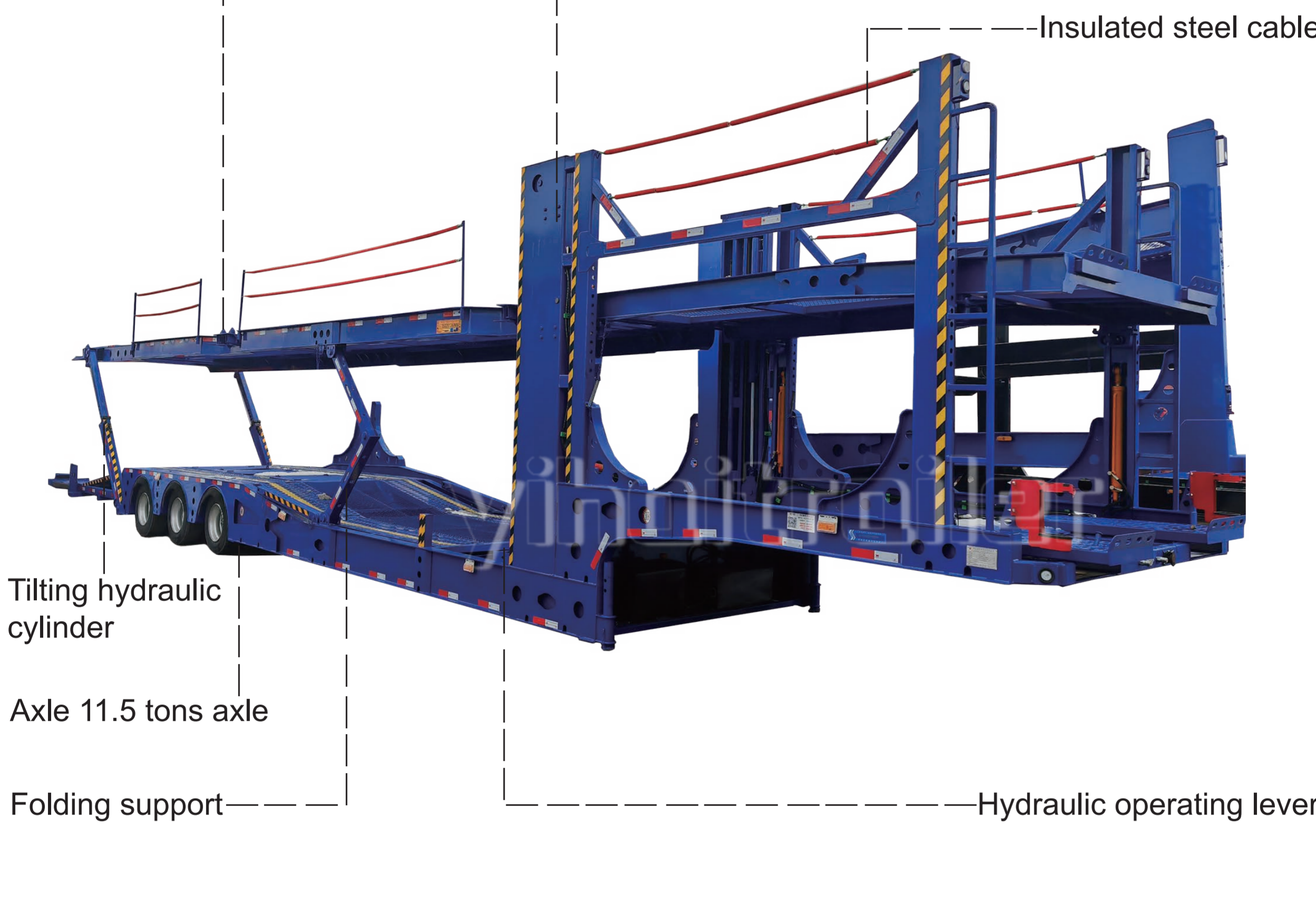
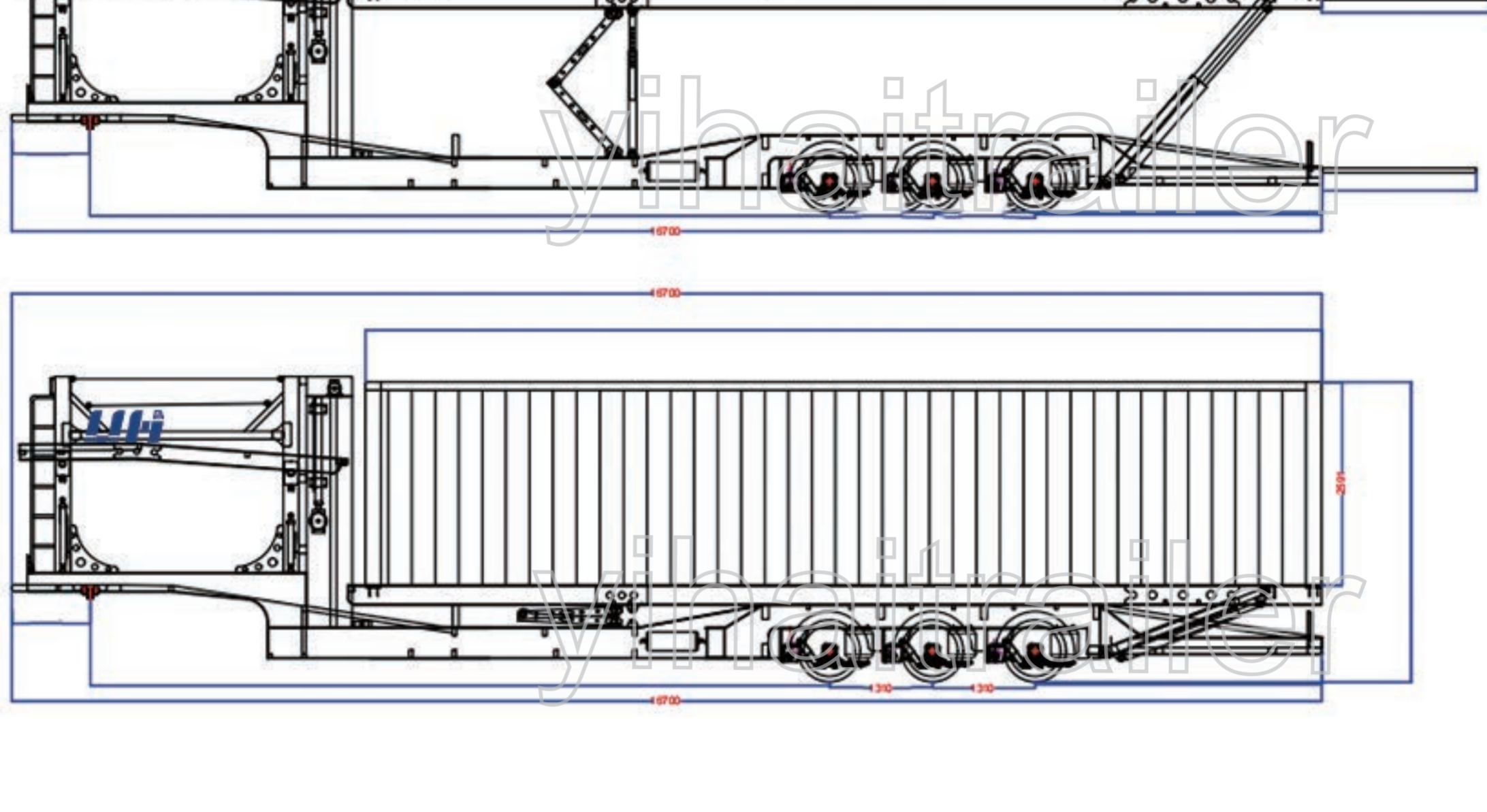
At the same time, the second floor of the trailer is equipped with 8 sets of container twist locks, providing users with more flexible transportation options. These twist locks allow the trailer to be transformed into a container transport vehicle at certain times according to actual transport needs, increasing transport diversity and improving transport efficiency.



In order to achieve flexible conversion between the first and second floors, the multi-purpose car carrier trailer is equipped with an advanced tilt hydraulic system. These hydraulic structures not only allow the structure to expand and contract more quickly, but also improve the trailer's operability and stability.

SPECIFICATION&DRAWING

Specification	
Overall Length:	16,000mm*2,550mm*3,800mm
Axles Space:	1,310mm
Material:	High Strength Steel
Structure:	Quality sheet for automatic arc welding, submerged meta, compatible with body design, one-piece chassis.
Hydraulic System	
Hydraulic Cylinder	8 pcs
WALKING SYSTEM	
Axles:	13 Tons*2 pcs
Suspension:	Air Suspension with Air bag
Tyre:	245/70R17.5*8 pcs(10 Holes)
BRKAE SYSTEM	
Brake:	2 Line Pneumatic Brake System;Dual Line Air Brake System Comprising Of Contact Type Coupling,Brake Chamber, Emergency Valve And Air Reservoir.
Brake Chamber:	Double Chamber*4 pcs(International Standard)



DETAILS OF TRAILER

Disconnected second floor

The front of the second floor of the trailer is directly disconnected from the rear, so that the rear can drop the second floor directly onto the first floor and transport the container. The disconnected two-floor design improves loading and unloading efficiency.



Tilting Hydraulic Cylinder

The last hydraulic cylinder adopts a long-stroke tilting design, allowing it to fully retract to the first level position during operation. This design not only reduces the overall height of the trailer during transportation to facilitate shipping containers, but also provides greater space and convenience for loading and unloading and provides users with more operational flexibility.

Folding support

The folding support structure of the multi purpose car carrier trailer is composed of two foldable parts and a support structure to form a triangular fixed structure. This clever design provides the vehicle with excellent stability and structural rigidity, making it safer and more reliable during transportation. The folding support structure works closely with the hydraulic cylinder to complete the lifting and lowering of the second floor.



European container twist lock

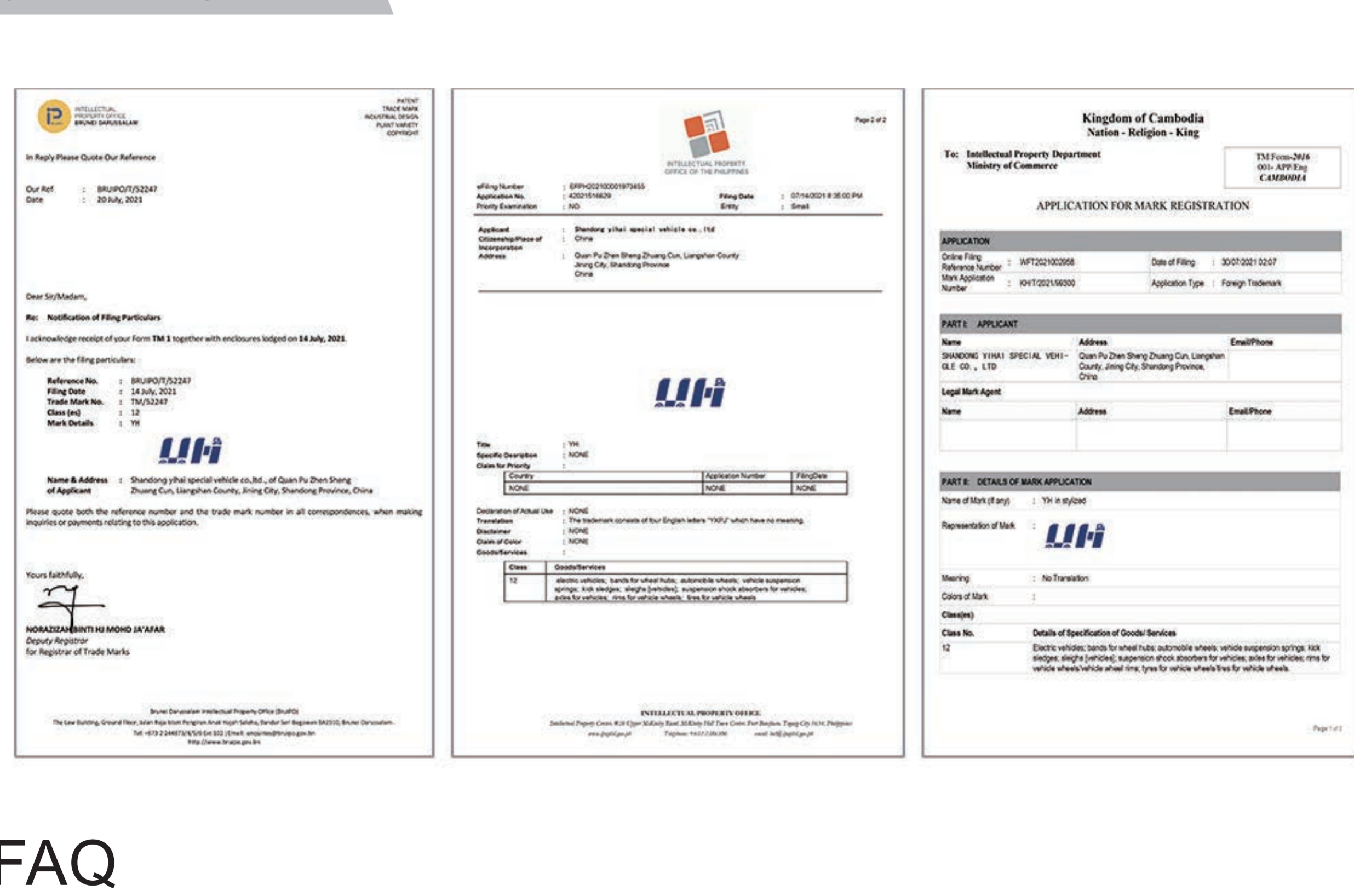
The European container twist lock system adopts European design standards to ensure the stability and durability of the twist lock. This design standard enables the car to adapt to the high standards of the European market during transportation. Eight sets of container twist lock systems provide diversified transportation options, allowing the car to flexibly carry 20-foot or 40-foot containers according to actual needs, maximizing transportation efficiency.

The design of the new multipurpose car carrier trailer makes it widely applicable and can meet the complex transportation needs of multiple industries, providing many companies with efficient and flexible solutions.

- 1.Logistics and Freight Industry:** Due to its flexible structural and versatility, car carriers have a wide range of applications in the logistics and freight industry. It can adapt to different sizes and types of goods, improve transportation efficiency and reduce transportation costs.
- 2.International trade and shipping industry:** The European-style container twist lock system of the car carrier makes it particularly suitable for international trade and shipping industries. It can transport two 20-foot containers or one 40-foot container at the same time, meeting the transportation needs of different container specifications in the shipping industry.
- 3.Automobile manufacturing and automobile transportation industry:** The design characteristics of car transporters make them suitable for the automobile manufacturing industry, especially in scenarios where automobile parts and finished cars need to be transported. Its multi-floor structure and container twist-lock system enable efficient car transportation.



CERTIFICATE



FAQ

- 1. What types of cargo is this trailer suitable for?**
---The design of the new folding multi-layer car carrier makes it suitable for transportation of various vehicles (sedan, SUV, pickup truck) and standard containers. Its multi-layer structure and container twist-lock system provide flexible solutions for the transportation of different types of cargo.
- 2. Does it support the simultaneous transportation of containers of different sizes?**
---Yes. The trailer is equipped with 8 sets of European container twist lock system and can transport two 20-foot containers and one 40-foot container at the same time. This versatile design allows containers of different sizes to be accommodated in a single transport mission.
- 3. How to realize the multi-layer structure conversion of trailer?**
---The multi-layer structure conversion of the trailer mainly relies on the collaborative work of the folding support structure and hydraulic cylinders. Through the advanced hydraulic system, users can quickly switch between the first and second floors.
- 4. How to ensure the stability of this trailer during transportation?**
---The folding support structure of the trailer forms a triangular fixed structure, and the highly hydraulic cylinder design ensures structural stability during transportation. This allows the trailer to maintain good stability on highways, complex road conditions and different environments.
- 5. Does this trailer comply with relevant standards in international trade?**
---Yes. The trailer's European container twist lock system adopts European design standards to ensure that it complies with relevant safety and transportation standards in international trade. This allows the trailer to better adapt to the norms and standards of different countries and regions.