The wind blade adapter trailer is a special trailer for transporting wind turbine blades and adapters. The trailer is designed for use on steep hills or mountain roads. In addition, it is an indispensable apparatus in the wind energy industry.

In detail, the adapter is connected to the trailer through a turntable, which can change the rotation angle of the adapter. Besides, the adapter can tilt the wind blades up to 60° to avoid obstacles in transit. Therefore, it saves clearance costs.



wind blade adapter trailer includes two parts: a low bed trailer and an adapter.

- 1.Firstly, Lowbed trailers are usually modular trailers. This is because modular trailers have a robust load-bearing capacity for transporting large equipment. In addition, the trailer has a dual control system, which can control the trailer steering and the tilt angle of the adapter. Lastly, each axle can be steered, especially for mountain road transportation.
- 2.Secondly, the adapter has a lifting function; when the cylinder is under pressure, the blade lifting frame shrinks to the centre of the rotary axis to ensure that the movement track of the lifting centre of gravity is always near the rotary axis, effectively avoiding instability during transportation, the lifting angle is within the range of 0-60° degrees.

SPECIFICATION&DRAWING

Specification	
Size	18,900mm*3,800mm*5,220mm
Chassis	
Chassis	High Strength Steel With Quality Sheet For Automatic Arc Welding Submerged Meta, Compatible With Body
	Design, One-Piece Chassis.
Adaptor	Can be removable
Gooseneck Type	Gosseneck With Up and Down
Power System	
Hydraulic Power Unit	Air Compressor Hydraulic Station
Volume of Diesel Engine	400L
Wind Blade And Adaptor	
Bottom frame rotation Angle	00 - 3600
Self-changing blade paddle	00 - 3600
Blade lifting Angle	00 - 380
Adaptor	60mm;2 Rows
Walking System	
Traction Pin	3.5"; Made Of Wrought Iron, Bolt-In/Weld Type
Suspension	Hydraulic Suspension
	With Steering And Lifting
Landing Leg	Rear Parts With Hydraulic Landing Leg
	Hydraulic Landing Leg
Axles	Hydraulic Axles*8 Pcs





DETAILS OF TRAILER

Chassis Modular Structure

The chassis structure is modular adopts a one-line dual-axle walking structure, which has stronger load-bearing capacity. Each axle can be hydraulically lifted for steering, reducing the turning radius and making it more suitable for mountain road transportation.





Blade adapter

Wind blades of different diameters can be transported according to customer needs. The blade length can be up to 120m. The entire device can adjust the elevation angle of the adapter according to transportation needs. The maximum elevation angle is 60°. The adapter can be rotated 360° to handle more complex road conditions.

Weight box

There is a weight box in the front of the trailer. Because the shortest length of the wind blade is more than 40m, in order to ensure the safety and stability of the blade during transportation,

a 3500mm*3000mm*900mm counterweight box is designed to place the counterweight blocks.





Hydraulic lifting gooseneck

The steering, lifting of all trailer axles and gooseneck lifting are controlled remotely and manually by hydraulic control valves. The raising, lowering and rotation of the wind blade adapter are all controlled by human/remote control.

These trailers play a crucial role in the following areas:

- **1.Wind power industry:** Transporting wind power involves large wind turbines, blades, towers and other components, which require special transportation tools. Wind power transport trucks play an important role in the entire wind power industry.
- **2.Renewable energy industry:** In addition to wind power, other renewable energy projects, such as solar power and hydropower, may also require the transportation of large equipment and components, some of which may use similar specialized transport vehicles.
- **3.Construction and Infrastructure Industries:** The process of transporting wind power equipment may be involved in construction and infrastructure projects, as wind turbines often need to be installed at specific sites, which may require specialized transportation.
- **4.Logistics and Freight Industry:** Logistics companies may provide specialized wind power transportation services to meet the logistics needs of wind power projects.
- **5.Engineering and Construction Industry:** During the construction of wind power projects, large equipment and materials need to be transported to the construction site. As a result, engineering and construction companies may use wind-powered transport vehicles to meet their transportation needs.



The wind blade adapter has 4-5 selectable sizes, can transport 40m-80m wind blades, and the whole vehicle carrying capacity reaches 100+ tons. The front end of the trailer increases counterweight, which can balance the centre of gravity and make the driving process more stable to ensure the safety of transportation.

CERTIFICATE



FAQ

- 1.Can I have our company logo on the trailer?
- ---Of course, you can send me your company logo.
- 2.Do you test before delivery?
- ---Yes, we will conduct a test before delivery, during the test we can video-connect with you or send you a quality inspection video.

3. What is the delivery time?

---Usually it takes about 10-20 days. The specific delivery time depends on the items and quantity of your order.