

6-12m crawler scissor lift

What is crawler scissor lift?

Crawler scissor lift is a versatile piece of lifting device with automatic walking function. It is designed to enhance efficiency and safety in various lifting applications. It combines the stability of a crawler undercarriage with the elevating capabilities of a scissor lift, which enables the equipment to move flexibly in different working conditions without external power supply or external power traction, making it ideal for a range of tasks that require both mobility and height. This lift is not only flexible and easy to operate, but also easy to lift and lower. Only one person can complete the forward, backward, turning, fast and slow walking, up and down movements, and has strong climbing ability, which greatly saves manpower and material resources. The design of crawler scissor lift makes it efficient and convenient in various working environments, especially suitable for occasions that require frequent movement and high-altitude operations.

The fundamental concept behind the crawler scissor lift is to provide a stable platform that can navigate uneven surfaces while offering significant vertical reach. The crawler tracks ensure stability and traction on diverse terrains, which is crucial for maintaining safety and efficiency in outdoor or rugged environments. The scissor mechanism, which consists of interlocking crisscrossing supports, allows the platform to be raised and lowered smoothly, offering precise control over the working height.

Crawler scissor lifts are commonly used in construction, maintenance, and industrial applications. They are particularly valuable for tasks that require working at height in challenging conditions. For instance, they are frequently employed for facade maintenance, tree trimming, and installing or repairing infrastructure. Their ability to operate on uneven ground makes them a popular choice for outdoor construction sites and areas where traditional wheeled lifts might struggle.

How to choose a suitable crawler scissor lift?

When considering the parameters of a crawler scissor lift, key factors include maximum working height, platform capacity, and overall dimensions. Typically, these lifts offer a platform height 6 to 12 meters, working height range of 8 to 14 meters, which provides ample elevation for most tasks. The platform capacity usually ranges from 320 to 350 kilograms, depending on the model, which is sufficient to support both the operator and their tools. The dimensions of the lift, including the width and length of the crawler tracks and the size of the platform, vary based on the specific model and manufacturer.

Configurations of crawler scissor lifts can vary, with options for different platform sizes, control systems, and additional features. Some models come with extended platforms or options for additional extensions to increase reach. Control systems may include manual controls or advanced options like electronic control panels with programmable settings. Additional features such as outriggers or stabilizers can also be included to further enhance stability and safety during operation.

What are the features of crawler scissor lift?

The advantages of a crawler scissor lift are numerous. The crawler tracks provide exceptional stability and traction on rough and uneven terrain, reducing the risk of tipping and improving safety. The scissor lift mechanism allows for precise height adjustments, making it easier to position the platform accurately. The combination of these features ensures that operators can work efficiently and safely in a variety of conditions. Moreover, crawler scissor lifts are often equipped with features that enhance ease of use, such as intuitive controls and safety mechanisms, making them a reliable choice for demanding tasks. 6-12 meters crawler scissor lifts and rubber wheel scissor lifts serve similar functions but are designed for different environments. 6-12m crawler scissor lifts are equipped with tracks that provide enhanced stability and mobility on uneven or soft ground, making them ideal for rough terrain and construction sites where the surface may be unstable. These lifts distribute weight more evenly, reducing ground pressure and minimizing damage to delicate surfaces, but they tend to be slower and less maneuverable on smooth surfaces compared to their wheeled counterparts. On the other hand, rubber wheel scissor lifts are optimized for smooth, hard surfaces like concrete or asphalt, offering greater maneuverability and speed in indoor environments or on well-maintained outdoor areas. They are less effective on rough or uneven terrain and may cause damage to delicate surfaces due to their concentrated weight. While rubber wheel lifts are generally more cost-effective and easier to maintain, they require careful consideration when used on slopes or uneven ground, as they may not provide the same level of stability as crawler models. Ultimately, the choice between these two types depends on the specific conditions of the work site and the tasks at hand.

What are the precautions for operating crawler scissor lift?

1. The lifting platform must be placed on a solid and flat ground to prevent tipping during work.
2. Work according to the load specified on the nameplate, and overloading is strictly prohibited. In emergency situations, a temporary overload of 10% is allowed.
3. Distribute the weight evenly in the center of the table as much as possible. In special circumstances, partial load is allowed: the longitudinal partial load shall not exceed 1/2 of the rated load, and the lateral partial load shall not exceed 1/3 of the rated load. The partial load must be about 300 mm away from the edge of the table.
4. Materials that are easy to roll, such as pipes, must be blocked or tied properly.

5. It is strictly forbidden to carry people on lifting platforms without manned protection. Manned lifting platforms are equipped with railings and anti-crack valves. The anti-crack valve can prevent accidents in which the oil pipe ruptures and the workbench falls out of control.
6. When the lifting platform is working, prevent hands, feet and clothes from being squeezed.
7. Press the "up" or "down" button to raise and lower the workbench. If the workbench does not move, stop the machine immediately for inspection.
8. If the lifting platform does not rise and the overflow valve whistles, stop the machine immediately for inspection. Otherwise, the oil pump will quickly overheat and suffer serious damage. The overflow valve is used to protect the safety of the machine and the operator and must not be adjusted arbitrarily.
9. Only when the workbench stops moving can the heavy objects be unloaded.

What are the available models of crawler scissor lift?

We have scissor lifts of different heights to meet the work requirements of different customers, 6-12 meters. Please refer to the table below for detailed parameters

Type	Platform size (mm)	Load capacity(KG)	Lifting height	Overall size(mm)
THJZ-6D	2270*1110	320	6m	2580*1580*2290
THJZ-8D	2270*1110	320	8m	2580*1580*2410
THJZ-10D	2270*1110	320	10m	2580*1580*2530
THJZ-12D	2270*1110	320	12m	3020*1580*2650

In conclusion, the 6-12 meters crawler scissor lift is a highly effective tool for lifting and accessing elevated work areas, especially in challenging environments. Its robust design, versatile applications, and numerous advantages make it an essential piece of equipment for construction, maintenance, and industrial operations. By offering stability, precise control, and adaptability, the crawler scissor lift stands out as a valuable asset for any project requiring height access and operational flexibility

Please feel free to contact us and tell us your requirements for crawler scissor lift, such as which height you need? We will make the detailed quote for you. Welcome to inquiry, we provide the best price based on quality assurance.