Hydraulic elevator is an elevator that uses a hydraulic power source to press oil into the cylinder to make the plunger move in a straight line, directly or indirectly through a wire rope to move the car. Hydraulic elevator is an integrated product of machinery, electricity, electronics and hydraulics. It is composed of the following relatively independent but interconnected systems. Pumping station system, hydraulic system, guidance system, car, door system, electrical control system, safety protection system. Early [home elevators](https://www.jnhclift.com/Products/Home-Elevator_012.html%22%20%5Ct%20%22_self) were basically hydraulic elevators. Especially in developed countries in Europe and the United States, most villa owners would install a hydraulic home elevator. However, the lift of a hydraulic elevator cannot exceed 12 meters, so it is not suitable for commercial use. But for our low-floor villa, hydraulic elevator is an absolutely cost-effective choice. The cost of hydraulic elevators can vary depending on several factors, which makes it essential for buyers to understand the various components that contribute to the overall price.

## ****What are the advantages of our hydraulic elevators?****

1. Hot galvanized structure, which is more anti rust than painting.

2. Governor, tensionor and safety gear, which can make the cabin stop immediately if the speed is over 0.4m/s.

3. 1:3 design, it means when the cylinder move 1m, the cabin will move 3m, travel speed can reach 0.3m/s, which is faster than 1:2.

4. We have our own team to develop and manufacture control box, this is the heart of lift, ours no need to connect too many wires, only some plug to fill in, very simple and clean.

5. Kone U61 leveling device, which is more smoothly than mechanic limit switch.

6. Nylon guide wheel, which is more durable and silence than steel wheel. Wheels covered by steel plates, apart from damage.

7. Oil return tube.

8. Our shaft adopt 50\*50\*2.2mm aluminum alloy material, and multiple color options.

9. All structure bolts connected, no need welding.

10. Multiple COP&LOP options, can customize your logo or picture.

11. Standard bottom safety sensor and light curtain.

12.Cost-effective pricing, coupled with our superior quality and features, ensures our hydraulic elevators offer exceptional value for money. We prioritize efficiency in production and supply chain management to deliver high-performance elevators at competitive prices.

## ****How about your hydraulic elevator safety?****

What aspect of security are you asking about? If you are worried about the [elevator](https://www.jnhclift.com/%22%20%5Ct%20%22_self) crashing, let me briefly explain that the descent of our hydraulic elevator is the oil return from the oil cylinder. The oil return speed itself is limited, which ensures that it will not fall quickly. In addition, in addition to the 70mm diameter cylinder, it also has two high-strength row chains, each of which can withstand a pulling force of 20 tons. Unless they break at the same time, a crash will not occur. Taking a step back, assuming that two chains broke at the same time and the car stalled and fell, there were safety gears that instantly locked the car on the guide rails, and there was absolutely no risk of a crash (our safety gears are progressive safety gears) , you can check this is the most advanced type of safety gear in the industry). Even if there is a power outage, it doesn't matter because we are also equipped with UPS uninterruptible power supply as standard, which is backup power. Ensure that the elevator can descend slowly to the ground floor under any circumstances without trapping people.

## ****How much does hydraulic elevator cost?****

Our [hydraulic elevators](https://www.jnhclift.com/Hydraulic-Elevators-vs--Traction-Elevators--A-Popular-Interpretation-of-Comparisons-and-Similarities_9.html%22%20%5Ct%20%22_self) are mainly suitable for 2-5 floors. Regarding the price, the price is also different based on the parameters of the house. The price range is between 4000USD to 10000USD,in order to get a accurate price for your elevator, we need you to provide the following dimensions:

1.How many floors does your house have in total?

2.What is the height of each floor?

3.What is your installation space?

4.Do you need us provide the shaft frame? Or you have own concrete shaft?

Based on these parameters, we will provide you with a detailed quotation for your reference.

## ****Does the hydraulic elevator need stronger walls to fix it?****

It is best to have a load-bearing wall, which is the easiest to fix for construction; but it does not matter if there is no suitable fixed wall, because we have many ways to reinforce it, which can be fixed on the ground, and then on each floor slab, ceiling For reinforcement, horizontal braces and diagonal braces can be used for reinforcement if necessary.

Our company has more than ten years of hydraulic elevator manufacturing experience and has our own factory. Our company's purpose is to provide you with the best quality services and products at the lowest prices. If you need to install an elevator for your home, please [contact us](https://www.jnhclift.com/Contact-Us_06.html%22%20%5Ct%20%22_self) to get your best quote and special design for free.