TS-EVRC

Scissor Vertical Reciprocating Conveyor

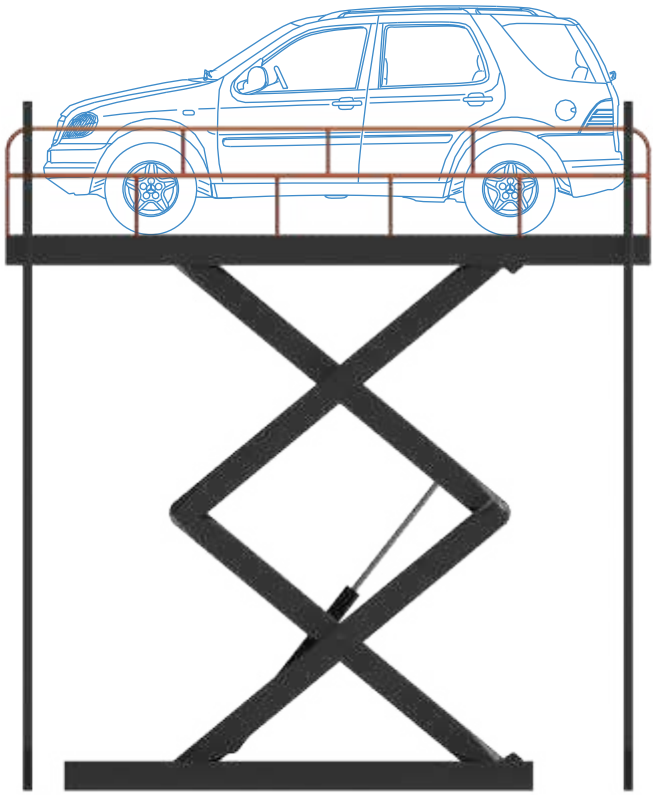
PROFESSIONAL PARKING SOLUTION PROVIDER!



WE PLAN , DESIGN, MANUFACTURE AND INSTALL...

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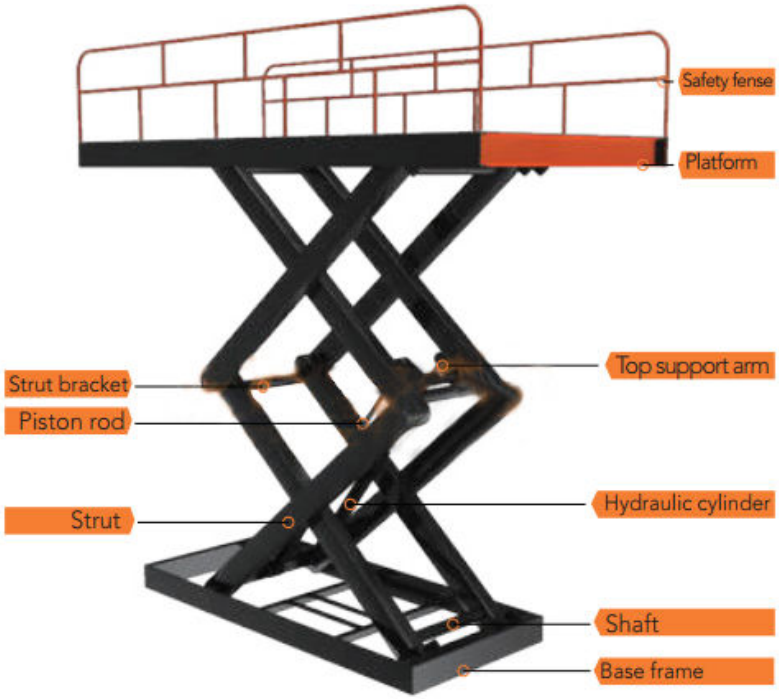


Introduction

VRC (Vertical Reciprocating Conveyor) is a transportation conveyor moving car from one floor to another, it is a highly customized product, which could be customized according to customers' different requirements from lifting height, lifting capacity to platform size!

- TS-EVRC is a kind of car or goods lift, and industry use vertical table lift
- A foundation pit is needed for TS-EVRC
- The ground will be flat after TS-EVRC descend to bottom position
- Hydraulic cylinder direct drive system
- Double cylinder design
- High precision and stable hydraulic drive system
- Automatic shut-off if operator releases the button switch
- Small space occupation
- Pre-assembled structure makes easier installation
- Remote control is optional
- Double levels of platforms are available to have more parking
- Top quality diamond steel plate
- Hydraulic overloading protection available

General Parts



Safety Features

	Name	Safety Feature	
1	Limited switch	Stop the upper car collide the ceiling	
2	Emergency stop button	Operate the button to stop	
3	Buzzer	Bright during operation	
4	Guide rail	Four rails in the four corners to guide the operation	
5	Relief valve	prevent overloading	
6	24V DC	Safety operation of button	
7	Photocell sensor	Avoid car over length or accidently entrance of person & car	
8	Double braided steel mesh around the lift	Prevent persons from falling into the pit or lower platform during the lift moves up and down	
9	Safety fence on platform	Protect driver to walk out of platform safety	
10	Anti-falling	electromagnet (optional)	

Note:from No.1 to No.6, they are the standard features;
from No.7 to No.10, they are the optional features.

Specifications

Model	TS-EVRC
Lifting capacity	2,000-30,000 kg*can be customized according to your requirement
Lifting height	3,000-15,000mm*can be customized according to your requirement
Platform length	2000mm-6000mm*can be customized according to your requirement
Platform width	2000mm-5000mm*can be customized according to your requirement
Platform material	Diamond steel sheet (standard) / 4mm Aluminum steel sheet (optional)
No. of level	according to your requirement
Drive mode	Hydraulic
Operation	button switch (standard) / remote controller (optional)
Power pack	5.5 kw hydraulic power pump
Lifting speed	4m/min
Finishing	Paint spray
Color	Caccording to your requirement

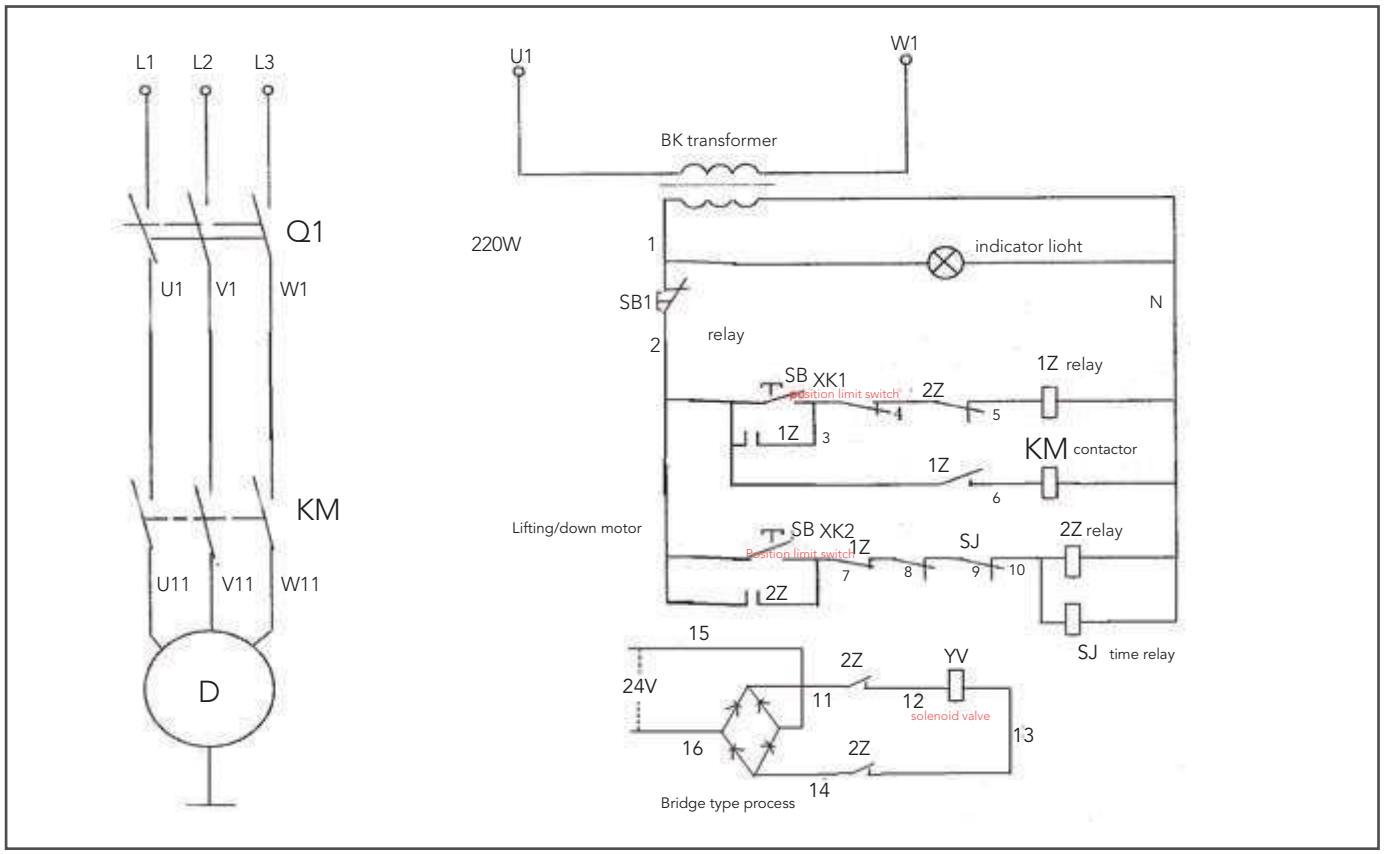
Reference Drawing



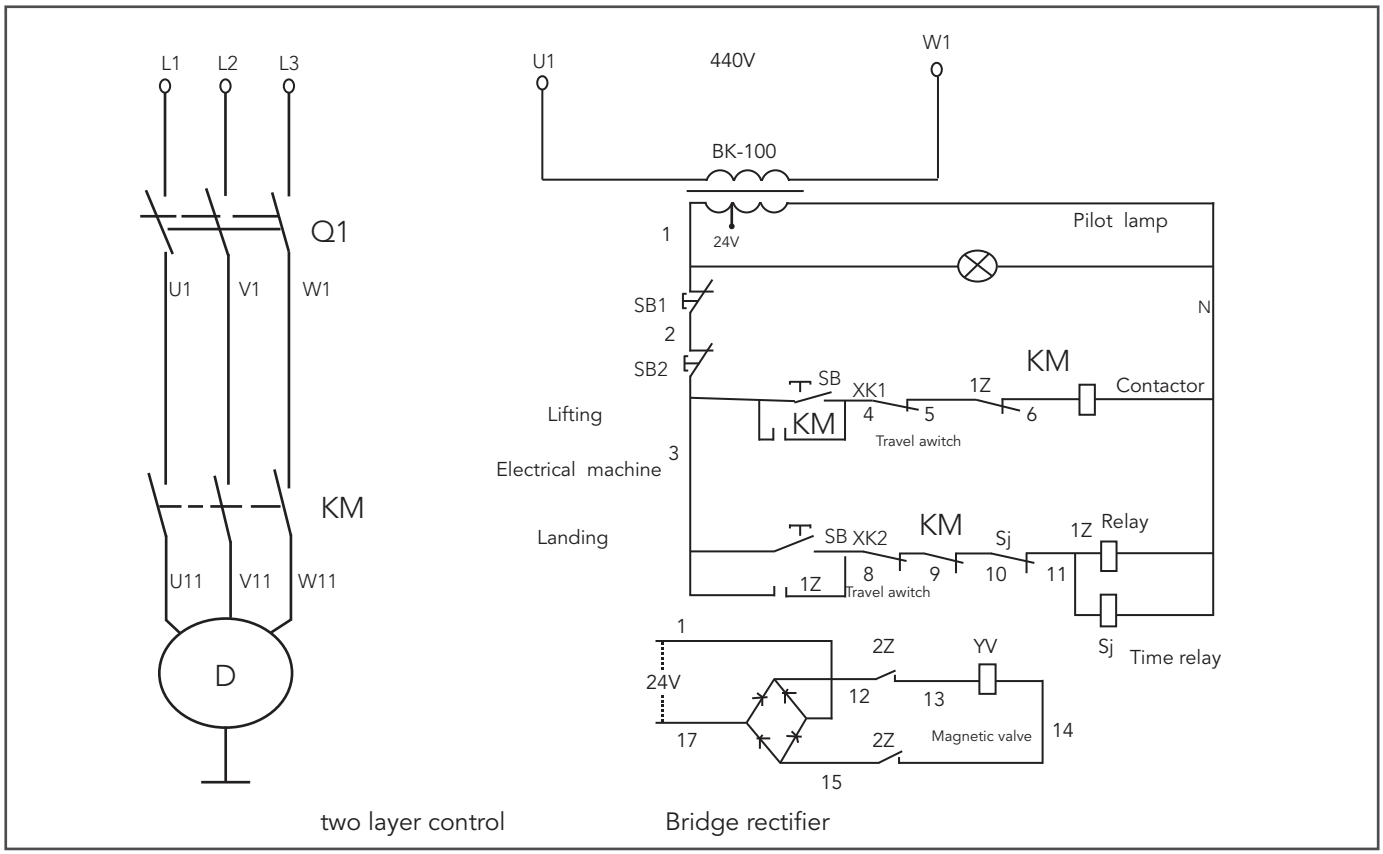
Drawing above is just a sample, for specific project please contact our sales to confirm exact specifications and drawing.

Electric Diagram

Circuit diagram



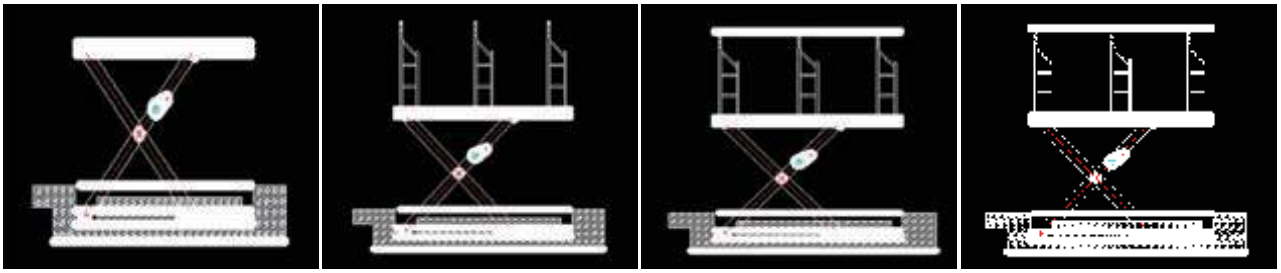
Circuit diagram



Installation & Maintenance Plan

Maintenance and Service

(1) Keep clean
Keep this automobile lift clean. Before cleaning, turn power off to assure safety.
(2) Keep the workplace clean. Too much dust will wear the parts and shorten their service life.
(3) Check the chains
Check the chains are in good conditions. In case of chain failure, repair it immediately to prevent an accident.
(4) Maintenance of the hydraulic system
Cleaning and oil replacement
After three months' use of this automobile lift, clean the hydraulic system and replace 30# hydraulic oil. After that, clean the hydraulic system and replace 30# hydraulic oil once every six months.



Packaging

Standard packaging:
we offer professional steel frame packa ging for easy and stable container load. The mainstructure of TS-EVRC has be pre-assembled in our plant, and one package will contain all the parts.









Q & A

1. Is this product can be used indoor or outdoor?
   TS-EVRC can be installed both indoor and outdoor as long as the site dimensions are enough.
2. What is the pit dimensions needed for TS-EVRC?
   The dimensions of pit depends on platform size and lifting height, our technical department will provide you the professional drawing to guide your excavation.
3. What is the surface finishing for this product?
   It's paint spray as standard treatment, and optional aluminum steel sheet can be covered above for better water-proof and looking.
4. What is the power requirements? Is single phase acceptable?
   Generally speaking, a 3-phase power supply is a must for our 4Kw motor. If the usage frequency is low (less than one movement per hour), a single phase power supply can be used, otherwise it may lead to motor burnt out.
5. Can this product still operate if electricity failure happens?
   Without electricity the TFP-EVRC cannot work, so a back-up generator may be needed if electricity failure happens often in your city.
6. What is the warranty?
   It's five years for main structure and one year for moving parts.
7. What is the production time?
   It's 30 days after prepayment and final drawing confirmed.
8. What is the shipping size? Is LCL acceptable, or it must be FCL?
   As TS-EVRC is a fully customized product, the shipping size depends on the specifications you need.
   As the structure of TS-EVRC is pre-assembled, the package will take most space of container, LCL cannot be used.
   20 feet or 40 feet container is necessary as per the platform length.

Reference Pictures



