

SP250A Lift Table

● **Operation Manual**

● **Parts Catalogue**



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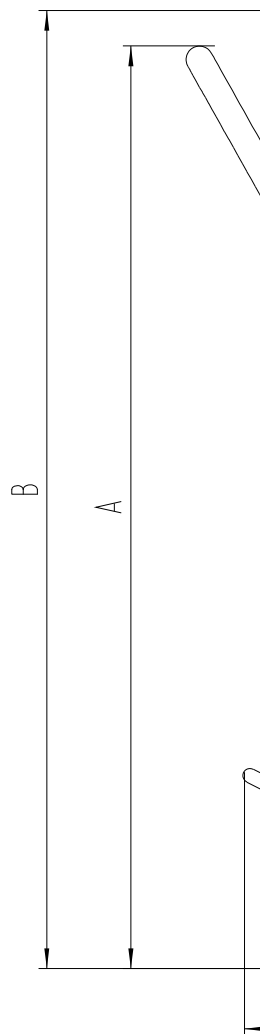
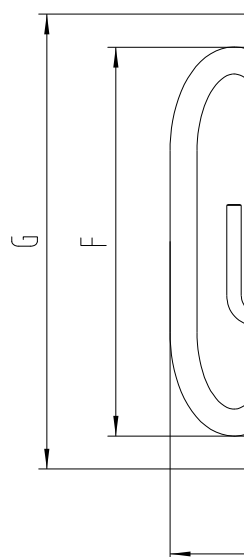
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I. Outline drawing



II. Basic parameters:

Model	SP250A
Load capacity kg	250
Maximum lift height H mm	390
Minimum height h mm	90
Table size L×C×E mm	580×200×70
Handle height A mm	1025
Load-backrest height B mm	1063.5
Length H mm	910
Overall length D mm	975.5
Handle width F mm	432
Overall width G mm	505
Foot pedal cycles to max. height	≤25
Diameter of wheels D1/D2 mm	125/80
Working volume of oil cylinder ml	162
Oil volume ml	210
Service weight kg	40

III. Applications:

SP250A lift table is a kind of high-lift transportation tool which is applicable for short-distance transportation as well as goods lifting and lowering. Besides, it can also be used in specific situation with special pallet.

IV. Operation condition:

1. Lift table should be operated on solid and flat ground ;
2. Operation temperature: -20-40C°.

V. Precautions

1. Read the instruction carefully before operation and get to know the performance and operation requirements of the lift table. And the hydraulic lift table can't be used unless it is authorized.
- 2 、Wear the working clothes, safety shoes and gloves when operation.
- 3 、Every accessories the truck needed is purchased from the specified suppliers and manufacturers in order to using the truck normally and safely.
- 4 、It must to detect trucks after the overhaul and main parts replacement, , confirmation of vehicle safety can be reused.
- 5 、Only designated trained and qualified personnel to operate and use of trucks.
6. Do not overload the hydraulic lift table and operate it within the rated load. Overloading will cause damage to the hydraulic lift table and human body.
7. It is forbidden for operators to stand or sit on the table to work.
- 8 Don't put the hands or feet under the lowering table.
9. Please brake the truck when loading goods to prevent it from moving.

10. Off-set loading is forbidden when loading goods, and the goods should be distributed uniformly on the whole table.

11. Loose or unstable goods are not permitted to be loaded.

12. Don't put goods on working table for a long time.

13. The truck can't be moved when goods are being lifted.

14. The truck can only be moved on flat and hard ground, it is forbidden to be used on sloping ground or rugged ground;

15. When putting goods on table which has been hoisted, the weight of goods should be within rated load, and the goods should be loaded lightly. (Safety valve only works in hoisting process, if the truck has been hoisted, and then put overweight goods on it, the safety valve can't work. In this way, the truck may be damaged.)

16. When loading and unloading goods on hoisted table, don't drag goods in cross direction, which may cause serious off-set loading and make truck turn over.

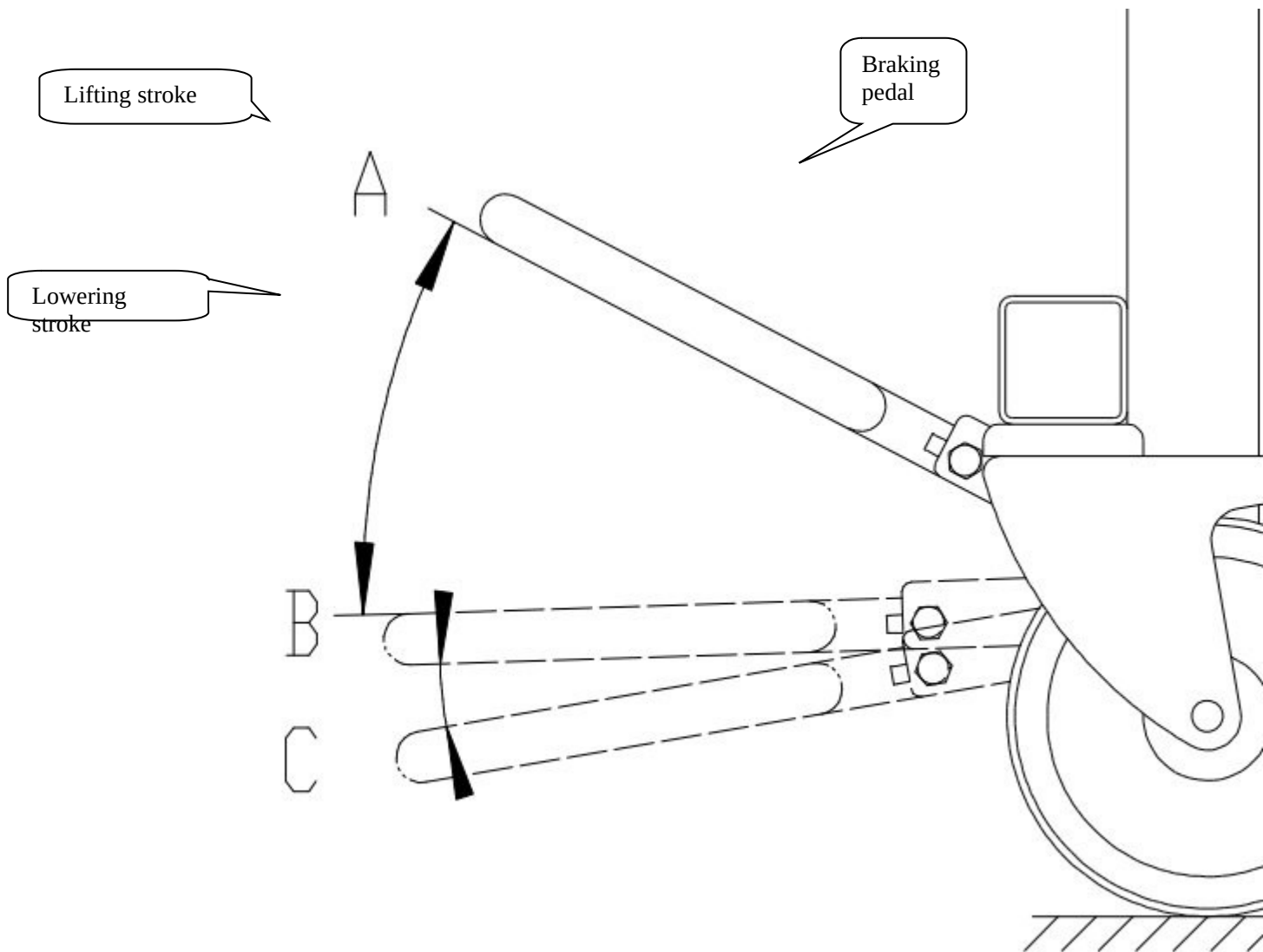
17. When maintaining and repairing truck, stand bar should be used to support fork arm in order to prevent table from falling (there should be no goods on table), and guarantee the safety in maintenance and repairing.

18 Please operate strictly according to "notes (warning)", otherwise it will bring damage to truck and human body.

VI. Operation methods:

1 、 Stamp the foot bar continuously within AB stroke, the table lifts.

2 、 Keep stamping the foot bar within BC stroke, the table lowers.



3 、 Release the brake before moving the truck.

4 、 Braking :

- Do not conduct the braking when it is lifting or lowering, meanwhile the foot and any part of the body is not allowed placing on the brake.

VII. Maintenance:

It is very important to conduct necessary maintenance and upkeep so as to prolong the service life and safety of the lift table. Please check the lift table before operation according to the following items:

1. Whether there is any distortion and bending of various positions of the lift table.
2. Please check the brake of the truck and the wearing condition of the wheels.
3. Check oil leakage in the hydraulic system.
4. Please add or fill lubricant to each friction surface before daily operation.
5. If there is any failure, the lift table should be repaired at once, then it can be put into use again.

6. Change the hydraulic oil every year, choose the following or close brand hydraulic oil according to the climate conditions of different areas:

a) YBN32 is adaptive under the environment temperature of $-10\sim+40^{\circ}\text{C}$;

b) YCN32 is adaptive under the environment temperature of $-20\sim+40^{\circ}\text{C}$.

7. The material of the sealing is rubber 、PU 、Nylon. The general service life is 2 years, it will be aged if exceeding the service life and affect the use performance, please replace in time.

VIII. Trouble shooting

The following involved parts No. refers to the parts catalogue

Faults	Reason	Trouble shooting
The truck can not be lifted or the lifting height is not enough.	<ol style="list-style-type: none"> 1. Valve (15) is not sealed ; 2. Oil inlet port is blocked ; 3. Short of hydraulic oil ; 	<ol style="list-style-type: none"> 1. Clean valve (15) to remove the burrs or foreign matters ; 2. Clean the oil inlet port ; 3. Add the hydraulic oil ;
The table lifts then lowers.	<ol style="list-style-type: none"> 1. Valve (15) is not sealed ; 2. O-ring (21) is damaged ; 	<ol style="list-style-type: none"> 1. Clean valve (15) to remove the burrs or foreign matters ; 2. Replace the O-ring ;
The table does not lower.	<ol style="list-style-type: none"> 1. The foot bar is not stamped to the bottom ; 2. The foot bar gets stuck ; 3. Pump core is damaged ; 	<ol style="list-style-type: none"> 1. Check whether the operation is correct or not ; 2. Check whether the foot bar can work within the stroke normally, if damaged, replace the foot bar ; 3. Replace the pump core ;
Oil leakage of pump core	<ol style="list-style-type: none"> 1. O-ring (5) is damaged ; 	<ol style="list-style-type: none"> 1. Replace O-ring ;
Oil leakage of piston rod	<ol style="list-style-type: none"> 1. O-ring (26) is damaged ; 	<ol style="list-style-type: none"> 1. Replace O-ring ;
Oil leakage of outer sleeve joint	<ol style="list-style-type: none"> 1. O-ring (7) is damaged ; 	<ol style="list-style-type: none"> 1. Replace O-ring ;

IX. Hydraulic schematic diagram

