IMPORTANT! Please carefully read all instructions prior to use of this product. It is essential in order to ensure safety at work, reliable functioning and a long lifespan of the pallet stacker.

Failure to do so may result in complications or accidents. Observe all instructions and precautions noted in this manual in order to ensure safe use.

This pallet stacker is intended to be used for transport of goods and not for transport of people.

It has been planned and manufactured according to the Machinery Directive 2006/42/ES and meets all the requirements of the Standard for Manually Driven Vehicles SIST EN ISO 3691-5:2010.

1. General Instructions

The employer has to make sure that the worker has been properly instructed how to safely use the pallet stacker being aware of all possible risks.

It is also the worker’s responsibility to contribute to safe working environment by observing all the given instructions and precautions and by generally acting in such a way as to avoid risks to safety and health. If any danger is noticed during working process, the supervisor should be immediately informed about it.

Basic requirements for operators:

• good eyesight and hearing,
• responsibility,
• mental health,
• common sense.

Prior to use of this product the operator has to check:

• proper functioning of the pallet stacker and its safety functions,
• that it has been tested or that it has the certificate of compliance and CE marking,
• that it is in good condition and ready to be used,
• that it is suitable for expected tasks,
• load’s weight and its distribution,
• equipment for handling particular load types and its proper functioning,
• if any additional equipment or attachments should be used and their proper functioning,
• if any other special equipment is required,
• working environment.

During working process the operator is expected to observe the following:

• careful manoeuvring,
• appropriate use of the pallet stacker,
• careful handling dangerous goods,
• removal of all obstructions above the pallet stacker,
• careful handling dangerous loads,
• appropriately solid floor regarding the weight of the pallet stacker and goods,
• presence of unauthorized persons,
• other risk factors.

2. Use

The pallet stacker can be used either for lifting and transport of goods or as a workbench. While manoeuvring the load must always be in the low position.

Should the pallet stacker be used in any other way or be inappropriately loaded, its safety and load capacity cannot be guaranteed and warranty does not apply.

It is intended for indoor use, in dry, well lighted places, at average temperatures.

The following is forbidden: load platform extension, eccentric loading, point loading and horizontal loading.

These instructions must always be available to authorized persons, stored safely and moved together with the equipment in case of change in the workplace.

3. Technical data

• load capacity Q (kg) 150
• lifting range (mm) 100 – 1000
• stroke (mm) 900
• dimension of forks (mm) 420 x 380
• weight of pallet stacker (kg) 32
• lifting to the first turn of the windlass (mm) 30
• external dimensions – l x w x h (mm) 725 x 487 x 1344
• wheels with polyurethane coating
• fixed wheels at front (mm) 80
• turning wheels with double brake at the back (mm) 120
The main components

1. Forks
2. Frame
3. Bedplate
4. Handle Bar
5. Lifting Mechanism with Brake
6. Bearing
7. Loading Belt
8. Load Platform
9. Upper Pulley
10. Lower Pulley
11. Turning Wheel with Back Brake
12. Front Fixed Wheel

Dimensions of the Pallet Stacker and Load Platform

Warning label with Technical data
3. Load capacity and load position

The biggest load capacity refers to the maximum allowed weight of the load evenly distributed along the width and length of forks.

The main requirements for pallet stackers according to the standard EN 3691-5 are:

- 100% of maximum allowed weight of the load evenly distributed along the whole surface of forks,
- load centre should be positioned between forks,
- horizontal forces are forbidden.

Horizontal forces can be caused either by pressure on the stacker or on the load or by pulling tools or other part of equipment on the load platform or on the pallet. Horizontal forces acting on the pallet stacker increase the possibility of overturning.

It is hard to measure horizontal forces therefore careful handling is absolutely necessary.

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D = 200 \text{ mm}
\]

\[
Q = \text{maximum 150kg}
\]

\[
H = 1000 \text{ mm}
\]

D = distance from forks to load centre

G = load centre

H = maximum lifting height
Q = maximum load capacity

4. Safety instructions

- Pallet stacker should only be used for intended purpose.
- Use it safely and carefully.
- Position the load in the middle of the load platform to ensure stability. Avoid placing the load over platform edges.
- It should not be used for transport of oscillating objects.
- Wear protective clothing, shoes and gloves.
- Observe all safety regulations.
- Repairs and maintenance service should be carried out by authorized persons.
- Please check that it is functioning properly before each shift.
- If any technical defects are found the supervisor should be informed immediately. Don't use it until it has been repaired.
- While moving the load vertically the operator should always have unlimited view of the load and platform edges.
- When the platform is lifted don't put in your hand, leg, any other part of the body or any object.
- Before lowering the platform make sure there are no obstructions underneath.
- Don't move the pallet stacker when the load is lifted as it may result in overturning.
- Persons should not be kept or transported on the load platform.
- Please make sure not to touch any objects in working environment while moving the pallet stacker.
- It should be used on the solid, smooth and flat floor.
- Activate the brakes before leaving the pallet stacker unattended, while loading or unloading in order to prevent it from moving without control.

5. Lifting mechanism with automatic brake

Before lifting the load please check that the lifting mechanism is functioning properly (according to the producer's instructions) in such a way as to lift the load just a little bit by turning the handle. When we let go of the handle the load must remain in the same position.

The load can be lifted or lowered by turning the handle in the right direction as indicated on the lifting mechanism: »UP« to lift, »DOWN« to lower.

If the process of lifting is correct a clicking sound of mechanism is heard. If there is no sound it is necessary to turn the handle two or three times in the UP direction, which helps to release the brake.

In order to ensure the proper functioning of the brake it is necessary to put a load of 10 kg on the load platform.
Occasionally, it is necessary to check that the loading belt is running smoothly over the pulley and winding drum. Incorrect running may damage the belt. Turning the handle in the opposite direction is forbidden for it may cause the load to fall down.

6. Maintenance

Repairs and maintenance service can only be carried out by authorized persons. There should be no load on forks during check up.

Occasionally, according to the frequency of use, it is necessary to observe the following:

- Weekly, check the loading belt to see if it has been damaged. In case of any slightest damage the belt must be changed.
- Every two or three months, it is necessary to lubricate gear wheels of the lifting mechanism (winch). Lubricant must not come in contact with the brake or loading belt.
- Once a year, the guide of the lifting mechanism should be lubricated.
- Occasionally, check that wheels, handles and lids are firmly attached.
ES Declaration of Conformity

We declare that the product described herein has been planned and manufactured according to the Machinery Safety Regulations and complies with the European Directive 2006/42/EC (attachment IIA). This declaration shall cease to be valid if modifications of the product have been made without our approval or if it has been used in a way which is not in conformity with our instructions of use.

Manufacturer:         OBKOV d.o.o.
Product:              Pallet Stacker
Type:                 OSKAR 150
Load Capacity / Lifting Height: 150kg / 1000mm
Serial Number:        _______ / _______
European Directive:   2006/42/EC – Machinery Safety Regulations
                       (Official Gazette No. 75/2008)
Used European Harmonized Standards: SIST EN ISO 3691-5, SIST EN ISO 12100
Place and date:       
Authorized person and signature:  

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