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# Operators Manual 3 pt. hitch forklift

**H150/1600, H200/1600, H240/1600  
H280/1600, H240/2000, H280/2000**



# **C O N T E N T S**

	<b>Page:</b>
<b>1. <u>INTRODUCTION</u></b>	3
<b>2. <u>SAFETY PRECAUTIONS</u></b>	3, 4
<b>3. <u>TECHNICAL DETAILS AND OPERATION</u></b>	5
<b>3.1 <u>VARIOUS MODELS AND CAPACITIES</u></b>	5
<b>3.2 <u>PICTURE AND PART NUMBERS</u></b>	5
<b>3.3 <u>ASSEMBLY AND OPERATING INSTRUCTIONS</u></b>	6
<b>4. <u>AVAILABLE ACCESSOIRES</u></b>	6, 7
<b>4.1 <u>HYDRAULIC TILT CYLINDER</u></b>	6
<b>4.2 <u>SIDE SHIFT</u></b>	7
<b>4.3 <u>HF-MODEL</u></b>	7
<b>4.4 <u>BOX ROTATOR</u></b>	7
<b>4.5 <u>BALE SPEAR ATTACHMENT</u></b>	
<b>5. <u>MAINTENANCE</u></b>	8
<b>6. <u>WARRANTY</u></b>	8

## **1. INTRODUCTION**

You have made the perfect choice by purchasing a Wifo Forklift. Through its unique construction it requires minimal maintenance.

Before using your Wifo Forklift read this manual carefully to familiarize yourself with this machine. Operating unfamiliar machines may lead to accidents.

This Operator's manual has been written to assist you in obtaining the best possible results from your Wifo Forklift. With adjustable tines and various attachments, it will form the basis of any stacking, loading and unloading operation. Keep this manual in a safe place so you can always use it as a reference booklet. If any questions should remain, however, you can contact your local dealer who will gladly assist you.

The Wifo Forklift is solely suitable for lifting pallets, boxes and bales (in combination with the Wifo bale attachment). It can be used on tractors with Category I and with Category II three point hitch linkage. However, the lift capacity of the tractor has to exceed the total weight of the forklift, pallet or box and the load.

**CAUTION:** Never use the forklift to lift or transport people!!!

## **2. SAFETY PRECAUTIONS**

- Make sure that the model you have chosen is compatible with your tractor's capacity.
- Use a tractor with a roll-over protective system (ROPS).
- Follow all the rules of operation from the operator's manual of your tractor.
- Comply with federal and local laws governing highway safety and movement of farm machinery on public roads.
- Use for all your lifting operations solely sound pallets or boxes.
- Extreme caution should be taken when hitching and unhitching the forklift to and from your tractor.
- Before hitching the forklift to your tractor, check whether the weight over the tractor's front axle is sufficient. Add ballast if necessary, but only to a proper ballast frame and in compliance with the tractor manufacturer's instructions. Never exceed the tractors maximum axle weight and carrying capacity.
- Position the forks as wide as possible to create the best stability for the load and keep the centre of gravity of the load as close to the forklift as possible.
- When transporting a load make sure it is as low as possible to maintain your tractor's stability. Always drive at a safe speed relative to local conditions and ensure your speed is low enough for an emergency stop.

- When using the forklift on sloping or uneven terrain, always maintain proper stability. It is therefore advisable to use a wide wheel track setting on your tractor. Also avoid sudden maneuvers and change of direction.
- When in use, never stand within operating range of the forklift and never under a raised load.
- Strictly operate the forklift from your tractor's driver's seat and make sure you have a good view on your job.
- Take care! The hydraulic circuit operates under pressure. Make sure that the hydraulic systems of both your forklift and tractor are de-pressurized before connecting any hoses between the two.
- Clearly label or tag the hydraulic fittings of the tractor and forklift to avoid incorrect connection, which may lead to invert functions such as raising and lowering.
- Regularly check all hydraulic hoses and replace any worn or damaged ones immediately. Never operate the forklift with a hydraulic hose that has been pinched. When replacing hoses, use only replacements compliant to original technical specifications.
- Lower the forklift, de-pressurize all hydraulic circuits, switch the engine off and remove the ignition key before performing any operation on the hydraulic circuit.
- Take all possible precautions to avoid accidents when searching for hydraulic leaks.
- Remember that liquids under pressure, and especially oil, can penetrate the skin and cause serious injury. Consult a doctor immediately to prevent infection in case of injury.
- Make sure that your hydraulic hoses do not get jammed during operation and that you do not confuse the controls for the forklift with other controls on your tractor.
- When attaching your tractor to the forklift, always ensure the linkage pins are secured in position with the correct size of lynch pin.
- Before dismounting from your tractor, always check that the forklift is lowered to the ground, the tractor is in neutral and the parking brake applied. And always place your forklift on a flat and solid surface for storage using the supporting stand provided.

### 3. TECHNICAL DETAILS AND OPERATION

#### 3.1 VARIOUS MODELS AND CAPACITIES

<u>Models:</u>	<u>Lifting height:</u>	<u>Lifting Capacity:</u> <u>Lbs/kgs</u>
150/1600	59" (150 cm)	3500/1600
H200/1600	78" (200 cm)	3500/1600
H240/1600	94" (240 cm)	3500/1600
H240/2000	94" (240 cm)	4400/2000
H280/1600	110" (280 cm)	3500/1600
H280/2000	110" (280 cm)	4400/2000

#### PICTURE SHOWING VARIOUS PARTS



1. Outer frame
2. Top roller + bushing
3. Chain tightner
4. Cylinder
5. Inner frame
6. Chain
7. 1¼" pin for tine
8. Category I or II pin
9. Carriage roller
10. Carriage
11. Safety valve for cylinder
12. Side Shift
13. Bottom tine
14. Upright
15. Supporting stand

## **3.2 ASSEMBLY AND OPERATING INSTRUCTIONS**

Because the forklift is a lifting device, make sure that it is assembled by a qualified mechanic.

The operation of your Wifo Forklift is quite straight forward and should be efficient and trouble free if operated with care and consideration.

Before connecting your forklift to the tractor, make sure the lift arms are at the same level. Connect the forklift to the Category I or II three point hitch of your tractor using sound lynch pins. Before transporting the forklift, make sure that the three point hitch linkage safety chains are secure to prevent the implement from swinging.

Then connect the hydraulic hoses and make sure that the quick couplers are clean to avoid dirt ending up in the hydraulic system of the machine. Make sure that the hydraulic hoses do not get jammed during operation.

Always try your new forklift out with a load because the carriage might be stuck to the frame due to new paint and grease.

Under all normal operating conditions, the forklift should be operated with the tractor linkage in fully lowered position. In exceptional circumstances, however, it is possible to gain a little extra height by raising the lift arms. You have to make sure that this does not affect your tractor's stability and that the top of your forklift does not hit the tractor cab. To avoid this, a hydraulic tilt cylinder is recommended. After the extended lift height has been achieved, immediately lower the tractor lift arms to the lowest position.

All loads should be transported in the lowest position and only raised to the desired height at the place of loading and unloading. Use the widest fork setting possible to maintain maximum stability of the load. When you are working on rough or hilly terrain, it is advisable to use a wide wheel track setting on your tractor.

## **4. AVAILABLE ACCESSORIES**

### **4.1. HYDRAULIC TILT CYLINDER**

#### Use:

The forklift can be equipped with a hydraulic tilt cylinder (with 10" or 14" stroke) to facilitate the leveling of the tines.

#### Operation:

When you connect the tilt cylinder make sure that the rod is connected to the forklift with the top pin.

Check for clearance at both the tractor and forklift's pivot points.

Make sure that the quick couplers are clean to avoid dirt ending up in the hydraulic system of the machine.

Use the tilt cylinder to keep your load as close to the tractor as possible during transport and to keep your tines level during loading or unloading. Make sure that the forklift does not touch your tractor when tilting or lifting/lowering.

The hydraulic hoses should not get jammed and do not confuse your tilt cylinder controls with other controls to avoid unintentional operation.

#### **4.2 SIDESHIFT**

##### Use:

The forklift can be equipped with a side shift to be able to move the load to the side. It is used for close packing of crates and pallets and in this respect can be a great time-saver. However, it should not be used to shove aside several loaded crates or pallets on the ground for this can result in bent forks.

The side shift will be welded to the forklift by the manufacturer or a certified welder.

There is also an option of a commercial side shift attached to the carriage of the forklift.

##### Operation:

When using the side shift try to keep the load as much to the centre of your tractor as possible. Make sure that the hydraulic hoses do not get jammed and do not confuse your side shift controls with other controls to avoid unintentional operation.

#### **4.3. HF-MODEL**

##### Use:

Some models of forklifts can be equipped with a weld-on frame which allows you to attach it to your skid steer or front end loader.

Operation: see **3.2. OPERATING INSTRUCTIONS**

#### **4.4. BOX ROTATOR**

##### Use:

The forklift can be equipped with a hydraulic box rotator which allows you to rotate boxes up to 180°. It comes standard with a supporting side arm.

##### Operation:

See box rotator manual.

#### **4.5. BALE SPEAR ATTACHMENT**

##### Use:

The forklift can be equipped with an attachment that will fit a bale spear which allows you to load or stack round bales.

##### Operation:

Bolt your bale spear attachment on to the carriage of the forklift and follow the operating instructions mentioned under **3.3**.

## **5. MAINTENANCE**

Little maintenance is required for your Wifo Forklift, but the following must be strictly followed.

Tightness of bolts and nuts and the wear on chains and all hydraulic components must be checked periodically. Any worn parts have to be replaced immediately.

The nylon rollers must run smoothly and any dirt build-up should be avoided. Each roller is provided with a lubrication hole for grease and this should be used when necessary to ensure smooth running. The chain should be greased regularly.

Remember that your Wifo Forklift is a piece of lifting equipment and should therefore be operated and serviced with respect because in case of failure, life or limb may be lost.

In case you have to replace a part, make sure that it is a genuine Wifo part which can be obtained through your dealer.

## **6. WARRANTY**

Warranty is at the sole discretion of the manufacturer. Your Wifo forklift has a one year warranty from the date of purchase to the original owner. It is limited to material and/or construction failures that have to be examined by the factory. So, if within one year from the date of purchase your forklift fails due to a defect in material or workmanship, you will have to return it prepaid to the factory for inspection.

The warranty does not apply to damage received during transport.

And as our policy is one of continuous improvement, we reserve the right to change specifications and prices or modify design, without notice or obligation.