Operating instructions for Palax Log stand for slender trees

Instructions must always be consulted before using the device

Serial number_______________________

Year of manufacture_______________________

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CONTENTS

1 Declaration of incorporation of partly completed machinery......................... 2
2 Foreword........................................................................................................ 3
3 General safety regulations ............................................................................. 4
4 Assembly instructions for Palax Log stand for slender trees ...................... 5
  4.1 The delivery includes ................................................................................ 5
  4.1.1 Required tools ...................................................................................... 5
  4.2 Assembly .................................................................................................... 6
5 ID plates, main dimensions and warning decals ........................................... 10
  5.1 ID plate of the unit .................................................................................... 10
  5.2 Main dimensions of the machine .............................................................. 10
  5.3 Warnings decals ....................................................................................... 10
6 Operation ......................................................................................................... 11
  6.1 General ....................................................................................................... 11
  6.2 Description of operation ........................................................................... 13
  6.3 Optional equipment .................................................................................. 14
7 Maintenance schedule .................................................................................... 15
8 Spare parts list ................................................................................................ 16
1 Declaration of incorporation of partly completed machinery

Manufacturer: Ylistaron Terästakomo Oy

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The person in charge of the Technical Construction File: Mikko Koivusalo

Product: Palax Log deck for slender trees

Log-lifting deck, a piece of optional equipment for a firewood processor

Serial number: __________________________

We hereby certify that the machine meets the requirements of the Government Decree 12.6.2008/400 on safety of machinery through which the Machine Directive 2006/42/EC has been put into effect. We hereby bind ourselves to deliver the relevant technical documents of the partly incorporated machine to the national authorities if justifiably requested. This partly completed machinery may only be incorporated with a Palax firewood processor that meets the requirements of the valid legislation and the Machine Directive.

Ylistaron Terästakomo Oy

8.3.2013

Martti Vaurio

Managing Director
2 Foreword

This Instruction Manual is intended for a professional operator of the machine. The operator must have usual general knowledge and skills. For example, the buyer of a tractor-powered machine is expected to master the use of PTO shaft transmission.

Before installing and operating the machine, the user of the machine must thoroughly familiarise himself with this manual. Before starting the operation, the user must also familiarise himself with the operating controls of the machine and the emergency stop mechanism. For more information about our products, please visit our website at www.palax.fi.

Register at https://info.palax.fi to ensure that you at all times have access to the most recent information about your machine.

NOTE! Keep this manual with the machine at all times.
3 General safety regulations

The Palax Log is a piece of optional equipment for the firewood processor models Palax Combi M2, Palax KS35, Power70 and Power 90, intended for feeding in the logs.

The unit is exclusively intended for use connected to a firewood processor, and the safety regulations in the manual of the firewood processor also apply to it. The device may only be used as a piece of optional equipment for the Palax firewood processor.

Before starting to operate the unit, the user must familiarise himself/herself with its use as well as with the use of the firewood processor, fully understand the operating principle of the device, and be aware of the risks that using it involves. All the safety regulations for the firewood processor also apply to the Palax Log stand for slender trees.

The feeder shall at all times be used exercising great caution so that no damage will be caused to the user of the device, the device itself, or the people staying nearby.

The construction or the operating method of the Palax Log stand for slender trees must not be modified. If the construction of the log stand has been changed, the responsibility for conformation with the requirements lies entirely with party who carried out the modification.

The device must not be used by individuals under 18 years of age!

It is not allowed to feed with the deck more than one log at a time.

No other people or items that might get damaged are allowed close to the deck during the operation. The danger zone around the log stand is 10 metres.
4 Assembly instructions for Palax Log stand for slender trees

4.1 The delivery includes

4.1.1 Required tools
- A 13-mm spanner, 2 pcs.
- A 24-mm spanner, 2 pcs.
- Pliers for cotters
4.2 Assembly

Position the legs in a square according to the illustration. The distance between the legs shall be about 2.5 m lengthwise and about 1.6 m in width.

Mount the bearers on top of the legs at the desired height, and lock them in position using M16 bolts.
Install the traverse sections in place – to either of the attachment points, depending on the log to be handled. Lock them in position using short M8 bolts.

Fix the keel roller to the pipe at the end of the feed roller.
Fix the front supports in place using M8 bolts.

Fix the intermediate roller to the front traverse section, and tighten it in position using a short M16 bolt.
Lift the rear supports in position.

Palax Log stand for slender trees ready for operation.
5  ID plates, main dimensions and warning decals

5.1 ID plate of the unit

The plate is located under the shorter bearer of the unit. The following data is marked on the plate:
- The name and address of the manufacturer
- Designation of the machine type
- Serial number and year of manufacture
- Total weight of the machine

When ordering spare parts, always mention the serial number and year of manufacture.

5.2 Main dimensions of the machine

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>140 kg</td>
</tr>
<tr>
<td>Height/width/length</td>
<td>1.520 x 2.270 x 3.450 mm</td>
</tr>
<tr>
<td>Max. diameter of the log</td>
<td>35 cm / see restrictions that apply to the firewood processor</td>
</tr>
<tr>
<td>Max. length of the log</td>
<td>4m / see restrictions that apply to the firewood processor</td>
</tr>
<tr>
<td>Max. load on the deck</td>
<td>2.000 kg</td>
</tr>
</tbody>
</table>

5.3 War

- The machine may be operated by one person only
- Beware of the moving feed equipment
6 Operation

6.1 General

- Ensure that the base also under the Log stand for slender trees is level and hard. You can adjust the position and the height of the deck by means of the adjustable legs. Fig. 1.
- Depending on the length of the log, level the deck with the end of the in-feed belt of the machine, approximately, so that the deck will stand in front of the machine, on the same side with the operating station.
- When the log is rolled onto the feed rollers, the ends of the logs already lying on the deck, shall extend about 0.5 m onto the in-feed belt of the firewood processor.
- Adjust the correct height in accordance with the height of the firewood processor’s in-feed deck. The feed roller of the deck should be level with the firewood processor’s in-feed deck.
- When loading logs onto the deck using a crane, the operator must check that the logs come straight, and that they are able to move freely on top of both bearers. If the logs are not in a straight position on the deck or if they cannot move freely, they must be reloaded onto the deck.
- The logs must be loaded so that their ends overhang as much on both sides of the bearers of the unit.
- The height of the log pile on the deck must not exceed the height of the rear support.
Note! The firewood processor must not be operated while logs are being loaded onto the deck using a crane.

Fig. 2. Adjustable width

Depending of the log type to be processed, the width of the Palax Log stand for slender trees can be adjusted either to 1.7 m or to 2.15 m.

Before loading the deck, ensure that the deck has not been twisted, flattened or damaged in any other way. Loading or using a damaged deck is absolutely forbidden.
6.2 Description of operation

Fig. 3. Log stand for slender trees and a firewood processor. Note! The log stand in the picture is fitted with optional equipment.

1. Turn down the front pipes, out of the way of the logs.
2. Roll the log against the keel rollers onto the feed rollers.
3. Feed the log into the firewood processor by rotating the feed belt.
4. NOTE Do not start feeding a new log until the last billet from the previous log has entered the splitting chute of the firewood processor.

Fig. 4. Position of the log stand in relation to the firewood processor when processing shorter or longer logs.
6.3 Optional equipment

- The Palax Log stand for slender trees can be equipped with a Palax feed roller. Rollers or additional equipment of any other make must not be used in the log stand. The hydraulic feed roller may only be fixed in place of the intermediate roller of the log stand.
- The hydraulic feed roller must be protected using the cover that is included in the delivery.
- Follow the instructions given for the operation of the Palax feed roller.
## Maintenance schedule

<table>
<thead>
<tr>
<th>Object</th>
<th>Task</th>
<th>Daily</th>
<th>Service interval 100 h</th>
<th>Service interval 500 h</th>
<th>Service interval 1000 h</th>
<th>Material /Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit</td>
<td>Cleaning</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Keel roller and feed roller shafts</td>
<td>Lubrication</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td>Vaseline spray</td>
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</tbody>
</table>
8 Spare parts list
<table>
<thead>
<tr>
<th></th>
<th></th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>32399</td>
<td>Intermediate support, front</td>
</tr>
<tr>
<td>2</td>
<td>10592</td>
<td>Keel roller</td>
</tr>
<tr>
<td>3</td>
<td>32400</td>
<td>Keel roller shaft</td>
</tr>
<tr>
<td>4</td>
<td>32401</td>
<td>Keel roller support</td>
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<tr>
<td>5</td>
<td>32402</td>
<td>Roller</td>
</tr>
<tr>
<td>6</td>
<td>32403</td>
<td>Roller shaft</td>
</tr>
<tr>
<td>7</td>
<td>32404</td>
<td>Leg</td>
</tr>
<tr>
<td>8</td>
<td>32405</td>
<td>Front support</td>
</tr>
<tr>
<td>9</td>
<td>32406</td>
<td>Bearer, long</td>
</tr>
<tr>
<td>10</td>
<td>32407</td>
<td>Bearer, short</td>
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<tr>
<td>11</td>
<td>32408</td>
<td>Intermediate support, rear</td>
</tr>
<tr>
<td>12</td>
<td>32409</td>
<td>Support</td>
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</tbody>
</table>