

**PALAX®**

# **USER MANUAL PALAX DECK 2.0**



Serial number \_\_\_\_\_

Year of manufacture \_\_\_\_\_

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IMPORTANT!

READ THE USER MANUAL CAREFULLY BEFORE USING THE LOG DECK.

SAVE FOR LATER USE.

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## 1. Introduction

TP Silva Oy (PALAX) is a Finnish company engaging in extensive product development. Our goal is to produce simple, reliable and structurally durable machines with a long service life. If you use your PALAX machine correctly and maintain it according to the instructions in this manual, it will serve you efficiently for a long time. If you have questions and would like to discuss them in detail, please contact our retailer or us directly.

### **CONGRATULATIONS ON PURCHASING A PALAX DECK 2.0!**

This manual is intended for operators with the appropriate expertise. For this reason, operators are expected to have the general knowledge and basic skills required for working with this kind of machinery. Familiarise yourself with the manual before installing the machine and beginning operation. Carefully study the machine's features and safety equipment before operation. Always keep this manual with the machine. The instructions, descriptions and technical specifications in this manual are based on the latest information with regard to the structure and workings of the machine at the time of writing. However, the manufacturer develops and updates the machine continuously and therefore reserves the right to change the machine's features and safety-related properties without separate notification.

In order to receive quick and efficient assistance when ordering spare parts and encountering any possible fault situations, you must indicate the information on the machine's type plate to the retailer or service technician. Write down the type plate information in the reserved section on this page to ensure that they are readily available at all times. If you cannot find a solution to a problem on your own, please contact the retailer, who will then resolve the matter with the manufacturer.

We at Palax are confident that you will be satisfied with your new log rack. It meets all safety requirements imposed by the European Union and carries the relevant CE label.

### 1.1 Customer registration

Palax utilises an EXTRANET service where owners and operators can register their machines. The site contains useful information, such as user manuals and spare parts manuals.



**FILL IN THE TYPE PLATE INFORMATION AND THE RETAILER'S CONTACT INFORMATION:**

Serial number: \_\_\_\_\_

Delivery date: \_\_\_\_\_

Retailer: \_\_\_\_\_

Contact person: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone: \_\_\_\_\_



## 1.2 Declaration of incorporation for partly completed machinery

**Manufacturer:**

PALAX  
Lahdentie 9  
61400 Ylistaro, FINLAND  
Tel. +358 6 4745100  
Fax. +358 6 4740790  
[www.palax.fi](http://www.palax.fi)

Person responsible for the technical file: Ville Kairus

**The declaration applies to the following machines:**

Palax Deck 2.0, firewood processor accessory

This partly completed machine may only be connected to a suitable Palax firewood processor that meets the requirements of the Machinery Directive.

**Drive:**

Auxiliary hydraulics valve of the firewood processor

**The following directives have been observed in the construction of each machine:**

Machinery Safety Directive 2006/42/EC brought into effect through Government Decree 400/2008.

Upon request with the proper grounds, we undertake to supply the necessary technical documents concerning partly completed products to national authorities.

## 1.3 Purpose of use

Palax Deck 2.0 is a safe and easy-to-use device for moving logs onto an input table.

## 1.4 Machine models

Palax Deck 2.0      Maximum load 3,000 kg

### Available accessories:

PX17624222 **Palax Log Deck 2.0** 6 m3 (new model)

PX17624333 Hydraulic infeed roller for **log deck 2.0** for **C-series**

PX17624333 Hydraulic infeed roller for **log deck 2.0** for **D-series**



**DO NOT LEAVE A RUNNING MACHINE UNSUPERVISED!**



## 1.5 Safety instructions

These safety instructions are general in nature. When handling the machine, you must take into account all other relevant instructions concerning health and safety, road traffic regulations regarding transportation, as well as the provisions of the general legislation. Observing the instructions helps to prevent accidents.

The machine may only be used by persons who have familiarised themselves with the manual and the operation of the machine. The operator must not be under the influence of alcohol or narcotic substances. Persons under 18 years of age may not operate the machine. Observe all requirements placed on the operator!

The operator must carefully study the machine's safety and installation instructions, along with the operation and control functions, before installing and operating the machine.

### General provisions:

- The machine must be used solely for loading logs.
- Only one person may operate the assembly.
- The operator must ensure that no unauthorised persons are in the working area. The danger zone is 10 m.
- The operator must always use approved eye and ear protection.
- The machine must be cleaned and maintained on a regular basis.
- The machine must always be stopped and the power source disconnected before performing maintenance work.
- The machine may only be transported in the transport position. This is the responsibility of the driver.

### Working area:

- The working area must be level and solid.
- The area must be clean and free of obstructions.
- The ground must not be slippery near the machine.
- The machine must not be used indoors, as the dust may enter your airways or cause a fire hazard.
- The machine may only be used with sufficient lighting: daylight is recommended.

### Before use:

- Place the machine in the working position and always check the safety devices before starting the machine.
- The operator must always check the integrity of any possible power cables before use.
- The operation of the safety devices must always be checked before starting the machine. Do not use the machine if part of the mechanism is not functioning properly.

### During operation:

- Stop using the machine immediately if you observe a fault.
- Stop using the machine immediately if you observe that its operation causes a hazard to you, other people or property.

## 1.6 Guarantee terms



## Roles

### **Guarantor**

TP Silva Oy, PALAX  
Lahdentie 9  
61400 Ylistaro, FINLAND  
Tfn. +358 6 4745100  
Fax. +358 6 4740790  
E-mail sales@palax.fi

### **Retailer**

The retailer is a company authorised by TP Silva Oy, which sells and markets PALAX products in its local area. The retailer acts as the recipient in guarantee matters from the buyer. In matters regarding the guarantee, the buyer must contact the retailer from whom the machine was purchased.

### **Buyer**

The buyer is the person or community that acquires a PALAX product for personal use. The buyer is obliged to report faults within the guarantee terms to the retailer and to retain the receipt in order to prove where and when the PALAX product has been purchased. When necessary, the buyer is also obliged to indicate the type plate information to the retailer.

### **Operator**

The operator is the person or community that uses the machine.

The guarantee is valid for the original buyer for 12 months, starting from the date of purchase, but for no more than 1 000 operating hours.

In guarantee matters, always contact the machine's seller before undertaking any procedures.

A guarantee demand has to be issued to the seller **immediately** upon discovery of a defect. If the defect concerns a damaged part or component, please send a photograph of the damaged part or component to the seller, if possible, so the fault can be identified. When submitting a guarantee claim, the buyer must always include the type and serial number of the machine and present a receipt that includes the date of purchase. Guarantee claims must be submitted to an authorised retailer.



### **The guarantee covers**

- Parts damaged in normal use due to faults in material or manufacture.
- Reasonable expenses caused by repairing a fault in accordance with the agreement between the seller or buyer and manufacturer. Faulty parts will be replaced with new ones. A faulty part or parts replaced due to a material fault should be returned to the manufacturer through the retailer.

### **The guarantee does not cover**

- Damages caused by normal wear and tear (for example blades, mats and belts), improper use or use contrary to the instruction manual
- Damages caused by negligence of maintenance or storage procedures detailed in the instruction manual
- Damages caused during transport
- Cutting blades, V-belts and oil, and normal adjustment, care, maintenance or cleaning procedures
- Defects in a machine to which the buyer has carried out or commissioned structural or functional changes to the degree that the machine can no longer be considered equivalent to the original machine
- Other potential costs or financial obligations resulting from the procedures mentioned above
- Indirect costs
- Travel costs resulting from guarantee repairs
- The guarantee for parts replaced during the guarantee period of the machine expires at the same time as the machine's guarantee
- The guarantee is void if the ownership of the machine is transferred to a third party during the guarantee period
- The guarantee is void if any of the machine's seals have been broken

If a fault or defect reported by the customer is found to not be covered by the guarantee, the manufacturer has the right to charge the customer for the pinpointing and possible repair of the fault or defect in accordance with the manufacturer's current price list.

This guarantee certificate indicates our responsibilities and obligations in full and it excludes all other responsibilities.

Guarantee terms come into force when you register your customership in the extranet service found on our website.

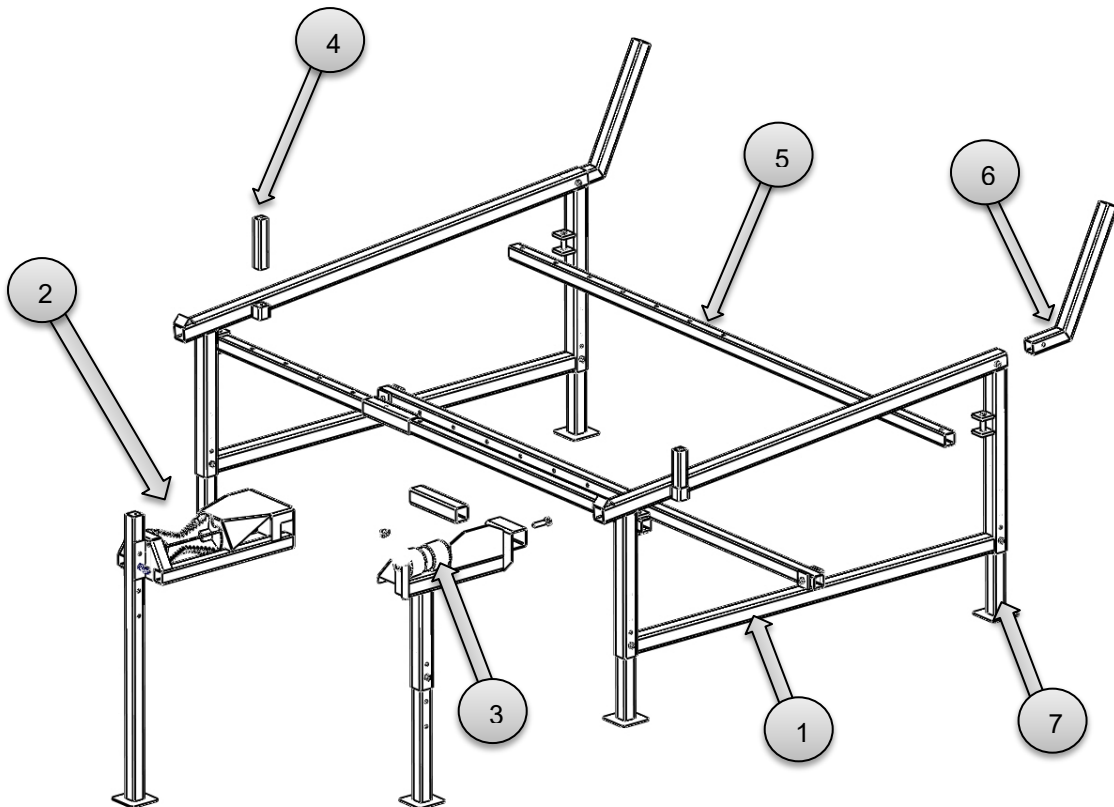


## 2. Installation of the machine

### 2.1 Delivery inspection

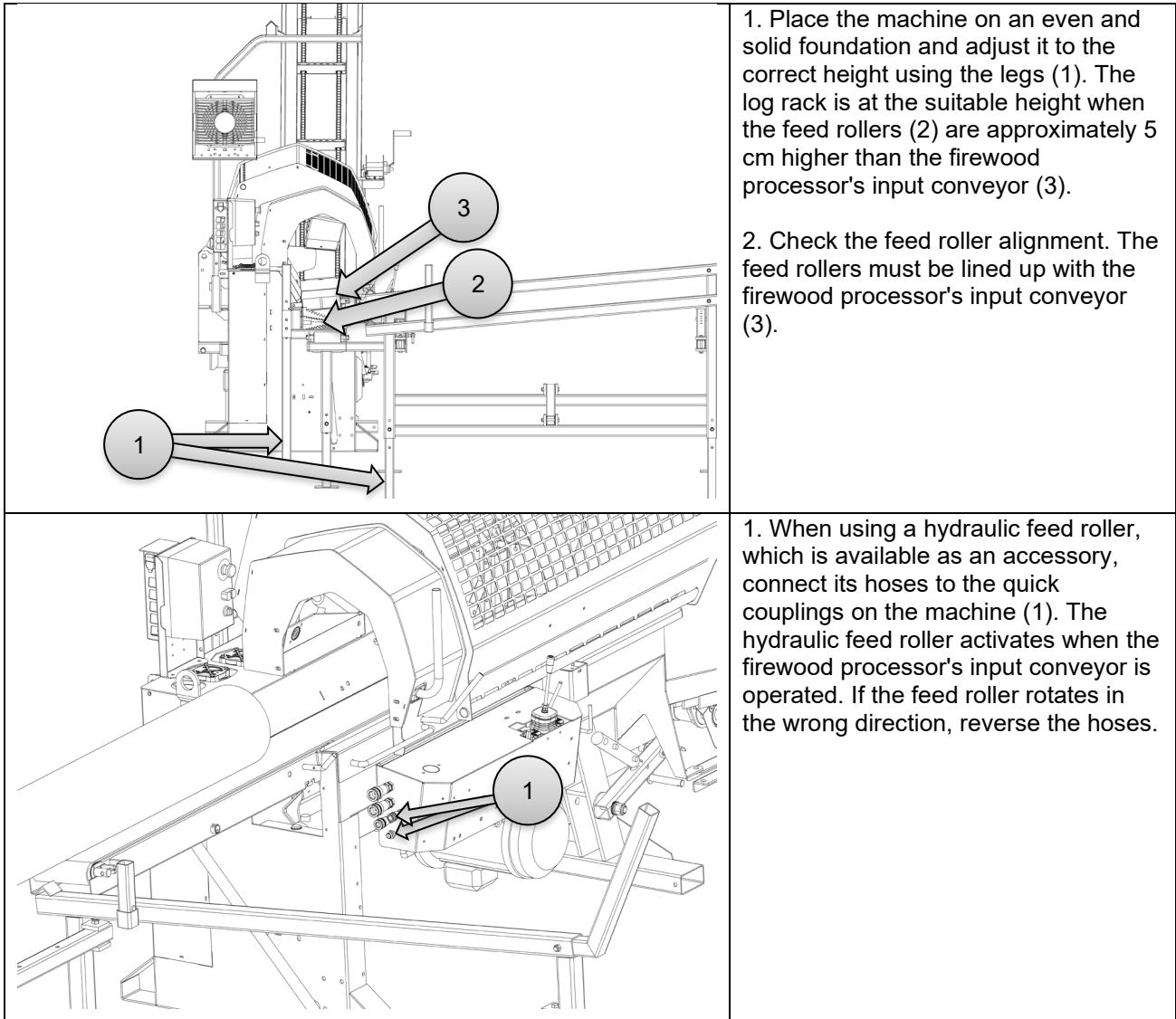
Inspect the machine immediately upon delivery. If the product has sustained damage in transit or it is missing components, contact the transport company and retailer immediately.

### 2.2 Main components of the machine

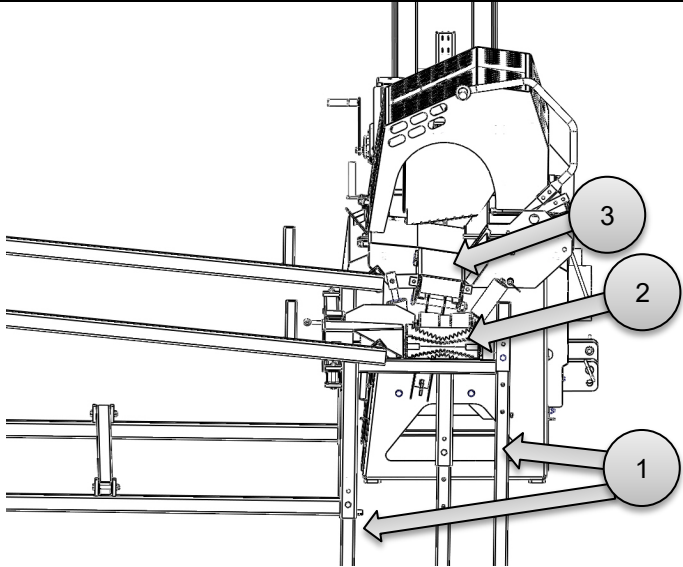
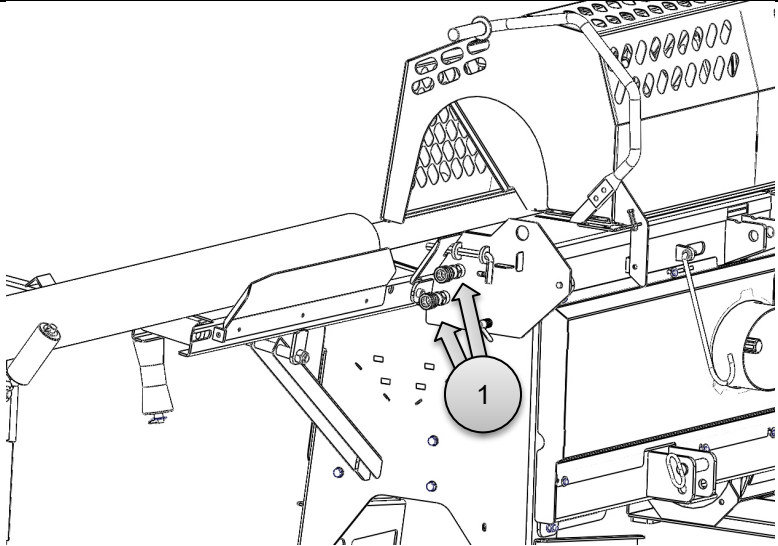


1. Frame, 2 pcs
2. Hydraulic feed roller and leg (accessory)
3. Feed roller, 2 pcs
4. Bottom stopper, 2 pcs
5. Intermediate pipe, 3 pcs
6. Top stopper, 2 pcs
7. Leg, 6 pcs

## 2.3 Placing the log rack in the working position



Can also be installed in the other direction, depending on the input of the firewood processor.

	<p>1. Place the machine on an even and solid foundation and adjust it to the correct height using the legs (1). The log rack is at the suitable height when the feed rollers (2) are approximately 5 cm higher than the firewood processor's input conveyor (3).</p> <p>2. Check the feed roller alignment. The feed rollers must be lined up with the firewood processor's input conveyor (3).</p>
	<p>1. When using a hydraulic feed roller, which is available as an accessory, connect its hoses to the quick couplings on the machine (1). The hydraulic feed roller activates when the firewood processor's input conveyor is operated. If the feed roller rotates in the wrong direction, reverse the hoses.</p>



**READ THE USER MANUAL BEFORE USING THE MACHINE FOR THE FIRST TIME!**

## 3. Operating the machine

### 3.1 Acknowledging the hazards and responsibilities involved

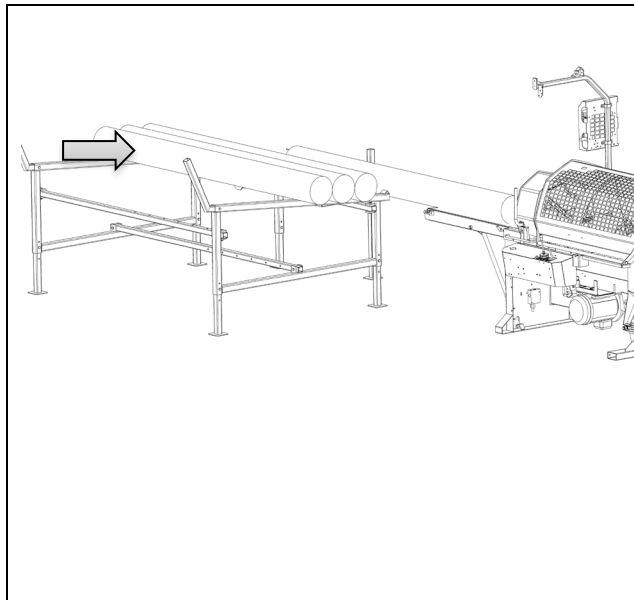
Operators of the machine must familiarise themselves with and observe the instructions in the user manual. Incorrect operation of the machine (for example, modifying the operation of the machine) may compromise the operator's safety. In these cases, the responsibility for the consequences falls on the operator.

### 3.2 Before use

Read the manual carefully and familiarise yourself with the warning labels and their meanings. Observe these instructions. The operator must ensure that the machine and its safety equipment work as intended. The operator is responsible for maintaining the machine. Neglecting to maintain the machine or use the safety equipment will void the guarantee. Familiarise yourself with the operation and functions of the machine before beginning operation.

1. Visually check that the machine has not been damaged.
2. Ensure that the machine has been installed firmly in place (see Section 2.3).
3. Check the machine for oil leaks.
4. Ensure that the machine's power source is correctly connected (see Section 2.3).
5. Ensure that all of the machine's components and guards are in place (see Section 2.2 and 2.3).
6. Ensure that no unauthorised persons are in the danger zone.
7. Start the firewood processor. Ensure that the firewood processor operates as described in its instructions.
8. If the log rack is equipped with a hydraulic feed roller, ensure that the roller operates correctly (see Section 2.3).
9. Ensure that you have read and adhered to Section 1.6 "Safety instructions".

### 3.3 Operating the machine



Load a suitable number of logs (max 3,000 kg) on the rack, and move them manually onto the feed rollers one at a time. From the feed rollers, push the logs onto the machine's input conveyor by hand or, if the machine features a hydraulic feed roller (accessory), activate the firewood processor's feed, which also starts up the log rack's hydraulic feed roller.



**ENSURE THAT THE LOGS STAY FIRMLY ON THE RACK AND CANNOT FALL OFF!**



**DO NOT LOAD MORE THAN 3,000 KG OF LOGS ON THE RACK AT ANY ONE TIME!**

## 4. Maintenance

### 4.1 Hydraulics

After connection, the pressure of the hydraulic system is high. A fault under high pressure may cause the hydraulic oil discharging from the system to penetrate the skin and cause severe injuries. The risk of injury is also present when inspecting the system for leaks. In the event of injury, contact a doctor immediately (risk of infection).

Use the necessary protective equipment and tools during maintenance. Exercise caution when performing maintenance tasks. Check the hydraulic hoses at regular intervals and replace them if they are worn or damaged. Only use spare parts that are supplied by the manufacturer or your retailer.

#### **Take the following into account when replacing hoses:**

- Depressurise the hose before opening the connector.
- The hoses must not be twisted or become twisted during the machine's operation.
- Do not tighten the connector nut excessively.
- Check the position of the connector.
- Use correctly-sized hose ties.
- Tighten the threaded (=male) connectors before tightening the connector nuts.
- Use locking and sealing agents.
- Use correctly-sized spanners.

#### **Remove a hose and connector from use in the following cases:**

- The hose has come off the connector. (In this case, the connector must also be discarded.)
- The hose has a tear or leak (also when the hose is moist due to internal seepage)
- The surface layer has worn all the way down to the support weave
- The hose has a permanently flattened or otherwise deformed section
- The hose displays signs of burning or the surface is cracked
- The hose manufacturer does not guarantee a life span exceeding five years
- The connector has corroded or features a permanent deformity
- The connector leaks

Note! The compression connector can only be used once

#### **Protecting yourself from oil and grease**

Oil and grease may contain additives that may, in some cases, be harmful upon repeated skin contact. Adhere to the appropriate safety instructions when handling these substances.

- When handling oil or grease, always use the appropriate protective clothing and oil-proof gloves, along with protective hand creams.
- Prevent oil from spreading into the working area or the environment. The spreading of oil mist in the working area or the spilling of oil on pathways will cause a slipping hazard.
- Prevent skin contact with oil or grease.
- Never use oil or lubrication grease to clean your hands.
- Oily clothes must be immediately replaced with clean ones.
- Do not place oily cotton or similar items in your pockets.
- Collect waste oil and dispose of it according to the appropriate regulations.



## Technical specifications

Property	Palax Deck 2.0
Width, adjustable	125–185 cm
Height, adjustable	84–102 cm
Length	210 cm
Log rack weight	160 kg
Loading capacity	3,000 kg