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INSTRUCTIONS FOR USE

Electric pallet truck **EPT 20H-800** · STAXX · load capacity 2,000 kg
Operating section of the manufacturer's original instructions for the EPT15H / EPT20H series.

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1. Intended use and limitations

The EPT 20H-800 is a self-propelled pedestrian low-lift pallet truck (walkie). It is intended for horizontal transport of palletised loads up to 2,000 kg over short distances, loading and unloading vehicles and work inside truck and trailer beds. The 800 mm forks are intended for confined spaces.

The machine may only be used:

- on hard, level floors free of sharp objects;
- at ambient temperatures from 0 °C to 45 °C; operation in cold storage is prohibited;
- in dry places — driving through water, oil and on muddy surfaces is prohibited;
- in places without heavy dust and without flammable or explosive substances.

Any other use is considered improper. Improper use excludes the liability of the manufacturer and the importer and voids the warranty.

2. Safety

> **UPOZORENJE**
> The machine may only be operated by a trained person authorised by the employer who has read these instructions. Carrying or lifting people on the forks is prohibited. Standing under a raised load is prohibited.

2.1 Before work

- Wear safety footwear. Wear the required personal protective equipment.
- Check that all warning labels and the rating plate are legible. Replace any that are illegible.

- Do not disable any safety device (emergency stop button, belly button, brake, horn).

2.2 During work

- Keep all persons out of the working area. If anyone enters the area, stop the machine immediately.
- Do not exceed the load capacity of 2,000 kg at a load centre of 600 mm. Distribute the load evenly on both forks.
- Do not travel with the load raised more than necessary; keep the load as low as possible.
- On slopes, always keep the load on the uphill side. Do not turn on a slope.
- Do not use a damaged or unsuitable pallet.
- Do not leave the machine unattended with a raised load or on a slope.

2.3 Prohibited

- operating under the influence of alcohol, medication or other substances that reduce attention;
- any modification of the machine or fitting of non-original parts without the manufacturer's approval;
- opening the lithium-ion battery and work on the control unit outside an authorised service centre;
- working with a damaged charger cable or damaged battery housing.

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3. Machine parts and controls

Main assemblies: fork carriage with two forks, hydraulic cylinder, drive unit with one drive wheel, battery housing, tiller and control head.

Control	Function
Butterfly switches (two, left and right)	Travel forwards and backwards. The further the switch is turned, the higher the speed.
Lift button	Raises the forks while held down.
Lower button	Lowers the forks while held down.
Horn button	Audible warning.
Belly button (front of the head)	Safety button. When pressed, the machine immediately moves in the opposite direction to free the operator from a dangerous position.
Emergency stop button (red, on the housing)	Pressed — all electrical functions are cut off. Pulled out — the machine is live.
Display / battery indicator	State of charge, operating hours and error codes.

3.1 Tiller positions

The tiller has three zones. In the upper and lower zones (zone **B**) the brake is applied and travel is not possible. Travel is only possible in the middle, operating zone (zone **M**). Lowering or raising the tiller fully brakes the machine.

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4. Check before every shift

The check is carried out by the operator before starting work. If any defect is noticed, the machine must not be used until the defect is rectified. The findings are entered in the maintenance record on the warranty card.

Item	What to check
General condition	Whether the machine is complete, without visible damage or deformation.
Forks	Tips and frames free of cracks, bending and fractures.
Wheels	No damage, cuts or uneven wear; they rotate freely.
Hydraulics	Lifting and lowering work smoothly; no oil leaks on the cylinder and valves.
Brake	The machine stops when the butterfly switch is released and the tiller is raised or lowered.
Steering	The tiller moves left and right without sticking.
Horn and buttons	Horn, belly button and emergency stop button work.
Battery	Sufficiently charged for the shift; housing and connector undamaged.
Labels	Rating plate and warnings legible.

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5. Operation

5.1 Switching on

1. Pull out the red emergency stop button — the machine is now live.
2. Switch on with the key or enter the code, if the machine is so equipped.
3. Check the battery level on the display.

5.2 Travel

Lower the tiller into operating zone **M**. Turn the butterfly switch in the desired direction; the speed increases with the switch travel. Steer by moving the tiller left and right. The operator walks beside the machine, never in front of the forks in the direction of travel when there is a load on the forks.

Maximum speeds: 4.0 km/h laden and 4.5 km/h unladen. Gradeability: 6 % laden, 20 % unladen.

5.3 Braking

- **By releasing the butterfly switch** — the machine slows down to a stop (regenerative braking) and is held by the electromagnetic brake.
- **With the tiller** — raising or lowering the tiller into zone B brakes the machine.
- **Plugging** — by briefly moving the butterfly switch in the opposite direction, in emergencies only.
- **With the emergency stop button** — cuts off all electrical functions.

5.4 Lifting and lowering

1. Insert the forks fully under the load, along the entire length of the pallet.
2. Check that the load does not exceed 2,000 kg and is evenly distributed.
3. Hold the lift button until the load is raised just enough to clear the floor.
4. To lower, hold the lower button; lower the load slowly, without releasing it suddenly.

Avoid lifting to the very top position — this protects the cylinder.

5.5 Parking

- Lower the forks fully.
- Press the emergency stop button and remove the key.

- Do not park the machine on a slope, in an aisle or on an escape route.

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6. Battery and charging

The machine has a 48 V / 10 Ah lithium-ion battery. It is charged only with the manufacturer's original charger, from a 100–240 V, 50–60 Hz socket. Charging is three-stage, with constant voltage; the cut-off current is 0.3–0.5 A.

Battery	2 A charger	6 A charger
48 V / 10 Ah	approx. 5 h	approx. 1.6 h
48 V / 15 Ah (option)	approx. 7.5 h	approx. 2.5 h

> **UPOZORENJE — LITIJUM-JONSKA BATERIJA**
> Do not open or dismantle the battery. Do not expose it to temperatures above 60 °C, heat sources or strong direct sunlight. Do not touch it with wet hands. Do not expose it to moisture and liquids. Do not puncture it, throw it into fire or subject it to strong impacts. Keep out of reach of children and animals.

6.1 Charging conditions

- Charging at temperatures below 0 °C is prohibited. The lowest operating temperature is −20 °C, with reduced capacity.
- If the battery has been in a cold room, wait at least 4 hours before charging — condensation damages the electronics.
- Swapping the battery for a charged one takes a few seconds and is intended for multi-shift operation.

6.2 Battery storage

- While in stock, top up the battery at least once every three months.
- For longer idle periods, charge the battery to about half capacity and disconnect it from the machine.
- Do not leave the battery empty.

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7. Transport and storage

- The transport vehicle must be able to carry the total weight of the machine with the battery and pallet.
- The pallet or crate must be strong enough; the forks must enter the pallet fully.
- Load and unload carefully on level ground, so that the machine is not scratched or overturned.
- Store at 0–40 °C in a dry, clean place.
- After a long standstill the wheels may be slightly flattened — this is a property of polyurethane and disappears during operation.

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8. Maintenance

The following are checked regularly: braking system, drive unit, warning system, safety devices, lifting system and hydraulics (leaks on the cylinder and valves). The rating plate and labels are kept clean and legible.

Work beyond the daily check is carried out only by an authorised service centre. Unauthorised modification of the machine is prohibited.

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9. Error codes on the display

The display shows a two-digit error code. Codes may differ on newer controller versions.

Code	Error	Probable cause
11	Parameter error	Incorrectly set parameter
12	Overcurrent	Motor short circuit or controller fault
14 / 15	M+ / M− zero-current detection error	Controller fault
16	Belly button signal at start-up	Button stuck or display fault
18	Motor Hall sensor error	Sensor fault or poor connection
19	Temperature sensor fault	Sensor fault or open circuit
21	Potentiometer error	Throttle potentiometer fault
22 / 23	Current limit / overheating protection	Controller overheated; switches off automatically
25 / 26	Motor temperature limit / motor stop	Motor overheated or blocked
27	Electromagnetic brake error	Brake faulty, open circuit
29	Motor circuit open	Motor fault
31 / 32	Low battery voltage — limitation / protection	Charge the battery
33	High battery voltage	Battery overheated
35	Contactor error	Controller fault
38	Communication error	Display or wiring
39	Controller version error	Controller software not updated

If the code reappears after switching on again, switch the machine off and call the service centre.

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10. Emergency procedures

- **Fire** — leave the area immediately. Dismantling and self-repair are prohibited. Inform the importer or an authorised service centre.
- **Submersion** — leave the area immediately, do not dismantle the machine, contact the service centre.
- **Unusual smell from the battery** — remove the battery immediately, avoid contact with leaked liquid and gases; clean the area immediately.
- Report every fault to your supervisor. The machine must not be used until the fault is rectified.

11. Technical data

Model	**EPT20H-800**
Load capacity	2,000 kg
Load centre	600 mm
Fork length	800 mm
Overall fork width	550 mm
Lowered fork height	82 ±2 mm
Load rollers	polyurethane, 80 × 70 mm, double
Drive motor	48 V / 1.0 kW, brushless
Lift motor	0.8 kW
Battery	48 V / 10 Ah, lithium-ion
Travel speed (laden / unladen)	4.0 / 4.5 km/h
Lifting speed (laden / unladen)	18 / 23 mm/s
Gradeability (laden / unladen)	6 % / 20 %
Brake	electromagnetic, with regeneration
Noise level	below 70 dB
Ambient operating temperature	0 °C to 45 °C

12. Importer and service

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Service and spare parts are available. Warranty terms and the claims procedure are set out in the warranty card supplied with the product.

JOVIĆ VILJUŠKARI D.O.O. · Translation of the operating section of the manufacturer's original instructions (STAXX, EPT15H / EPT20H series). Sections of the original on dismantling, spare parts and service work are not included as they are not intended for the operator. · Document issued 02.09.2026.

English translation for information. In case of any discrepancy, the Serbian version prevails.