

# ERE 20/25/30

(AC Drive)

Electric Stand-on Pallet Truck  
(2000 / 2500 / 3000 kg.)



- MOSFET programmable stepless speed controller.
- Multifunction tiller head with enhanced safety.
- Unique linkage mechanism to provide jerk free lift of loaded pallet.
- Optional dual speed setting for pedestrian and stand-on ode.



The Jost's Electric Stand-on Pallet Truck,, type ERE has been designed specially for the flexible handling of palletised loads in dual mode either as pedestrian or stand-on pallet truck. The ERE optimally adjusts to any application by simply folding the platform up or down. It is ideal for lorry loading / unloading and also for transportation of material inside medium and large warehouses. When compared with simple pedestrian models, ERE can provide higher throughput achieved with higher speed on stand-on mode, thus the goods can be cost effectively transported over long distances. **Jost's Pallet trucks with AC technology provides additional advantage of reduced maintenance, improved power utilisation and improved battery life.**

**Operator Area :** The stand-on foldable platform provides excellent comfort and safety. The dampening spring mechanism provides the required cushioning effect that swallows the jerks due to bumps on surface. The rubberized anti-skid mat provides good grip on stand-on mode enhancing the safety. Emergency stop button provides maximum safety for the operator.

**Drive :** The powerful 1.5 kw high performance AC motor of 1 hour rating with high overload capacity efficiently drives a low noise, two stage compact gear unit mounted directly on to the drive wheel.

**Drive Control :** Microprocessor based MOSFET controller provides smooth and stepless control of speed and acceleration. It also helps in obtaining fault diagnostic information quickly and easily. The high life cycle contactors used in the control circuit enhances dependability and productivity. The controller can also enable dual setting for different speed limits in pedestrian as well as stand-on mode (optional).

**Chassis :** Robust construction and the stable five point contact design enhances stability during turning. The rounded enclosed contours permits safe maneuvering in confined spaces. The battery holding compartment in the chassis is provided with suitable roller bed for easy removal of the battery.

**Wheels :** All wheels ( Drive wheel Ø200 x 85 mm wide, Load wheels Ø85 x 75 mm wide tandem, Support castors Ø150 x 50 mm mm wide) are made of polyurethane material as a standard. These enable noiseless smooth ride over variety of surfaces and cause less damage to expensive flooring. These also have better ability to withstand impact loads while rolling over bumps on the surfaces. The tandem load wheel configuration ensures smooth roll over with continuous contact on the floor and enables easy negotiation over small bumps without jerk. These also enable easy entry into closed pallets.

**Tiller Head :** Multifunction tiller head with ergonomically arranged operating elements for travel, lift, lowering and horn at finger tips provide highest operator comfort and safety. It also has a belly button that provides additional safety in case of emergencies.

**Steering :** The tiller control handle configuration enable easy steering with out much effort in both stand-on as well as pedestrian mode. Steering lock at 90° on either side and can be operated only in limited range of handle inclinations comfortable to operator. This provides additional operational safety.

**Forks :** Robust steel fabricated forks ensure long lasting and durable service. Various options of fork lengths and width over forks are available for different types of pallets. The fork ends are suitably tapered to provide better maneuverability while turning in confined spaces.

**Brake :** Electromagnetic disc brake with hard wearing, asbestos free liner provides quick braking. When the handle is close to vertical or horizontal position, the brake becomes operational with simultaneous power cut-off.

**Hydraulic System :** Compact power pack unit with high pressure pump driven by 0.8 Kw sturdy compound wound motor operates the lifting mechanism comprising of low lift hydraulic cylinder and load wheel linkages for jerk free lift of the loaded pallet for the required ground clearance. The compact system consumes less battery power and is designed with very little scope for hydraulic losses.

**Safety :** The truck is equipped with automatic lift cut off at 80% battery discharge condition for enhanced safety, emergency power cut-off switch on chassis panel and anti-collision switch on tiller head. The hydraulic circuit has safety feature like pressure relief valves and non return valves. The toe guard at the rear, guards the operator against inadvertent accidents.

**Servicing :** The modular service friendly design with easily removable front cover provides easy access to all components for servicing thus saving valuable time during maintenance.

**Battery :** 24V / 195Ah traction batteries for 2000 / 2500 / 3000 kg model are provided as standard supplies. For longer work cycles and heavy duty applications higher capacity traction batteries can be supplied as options on request, depending on usages.

**Charger :** 24V / 20Amp high frequency constant current automatic charger charger is supplied as a standard.

### Specification

| Performance Data | Model                                           |                | ERE 20       | ERE 25       | ERE 30       |
|------------------|-------------------------------------------------|----------------|--------------|--------------|--------------|
|                  | Drive Type                                      |                | AC           | AC           | AC           |
|                  | Capacity                                        | Q = Kg.        | 2000         | 2500         | 3000         |
|                  | Load center for rated capacity                  | C = mm         | 600          | 600          | 600          |
|                  | Load distance (from load wheel to fork face)    | L2 = mm        | 810          | 810          | 810          |
|                  | Travel speed (min.), laden                      | kmph           | 5.0          | 5.0          | 4.5          |
|                  | Travel speed (min.), unladen                    | kmph           | 5.5          | 5.5          | 5.0          |
|                  | Lift speed, laden / unladen                     | cm/s           | 2.0 / 2.5    | 1.8 / 2.5    | 1.6 / 2.5    |
|                  | Lowering speed, laden / unladen                 | cm/s           | 2.5 / 2.5    | 2.7 / 2.5    | 2.9 / 2.5    |
|                  | Gradient performance, laden / unladen           | %              | 8 / 16       | 8 / 16       | 6 / 16       |
|                  | Battery weight, apx.                            | Kg.            | 210          | 250          | 280          |
|                  | Service Weight incl. 'battery, apx.             | Kg.            | 715          | 745          | 775          |
| Technical Data   | Wheelbase                                       | Y = mm         | 1425         | 1425         | 1425         |
|                  | Wheels                                          |                | Polyurethane | Polyurethane | Polyurethane |
|                  | Load Wheel                                      | mm             | Ø85x75W      | Ø85x75W      | Ø85x75W      |
|                  | Side support castor wheel                       | mm             | Ø150x40W     | Ø150x40W     | Ø150x40W     |
|                  | Drive wheel                                     | mm             | Ø200x85W     | Ø200x85W     | Ø200x85W     |
|                  | Wheels, number front / rear (x = driven wheels) | nos.           | 1x +2 / 4    | 1x +2 / 4    | 1x +2 / 4    |
|                  | Track width, front / rear                       | B2 / S = mm    | 606 / 380    | 606 / 380    | 606 / 380    |
|                  | Overall length                                  | L = mm         | 1960         | 1960         | 1960         |
|                  | Lift                                            | h1 = mm        | 130          | 130          | 130          |
|                  | Fork lowered height                             | h = mm         | 90           | 90           | 90           |
|                  | Safety clearance                                | a = mm         | 100          | 100          | 100          |
|                  | Front overhang                                  | G = mm         | 264          | 264          | 264          |
|                  | Overall width                                   | B1 = mm        | 850          | 850          | 850          |
|                  | Fork dimensions                                 | s / e / l = mm | 55/180/1150  | 55/180/1150  | 55/180/1150  |
|                  | Load Wheel / Forks tip distance                 | X = mm         | 270          | 270          | 270          |
|                  | Width over forks                                | m = mm         | 560          | 560          | 560          |
|                  | Ground clearance (Center of wheel base)         | GC = mm        | 35           | 35           | 35           |
|                  | Turning radius (Pedestrian Mode)                | Wa = mm        | 1750         | 1750         | 1750         |
|                  | Turning radius (Stand-on Mode)                  | Wb = mm        | 2160         | 2160         | 2160         |
|                  | Drive motor rating                              | kW             | 1.5          | 1.5          | 1.5          |
|                  | S2 = 60 min.                                    |                |              |              |              |
|                  | Lift motor rating                               | kW             | 0.8          | 0.8          | 0.8          |
|                  | S2 = 1.8 min., S3 = 7%                          |                |              |              |              |
|                  | Drive control                                   | type           | Mosfet       | Mosfet       | Mosfet       |
|                  | Sound level at driver's ear                     | db(A)          | 85           | 85           | 85           |

### Working Aisle Width Ast. (mm)\* Incl. 200 mm safety clearance

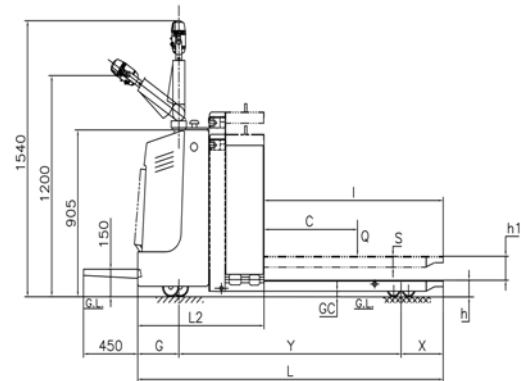
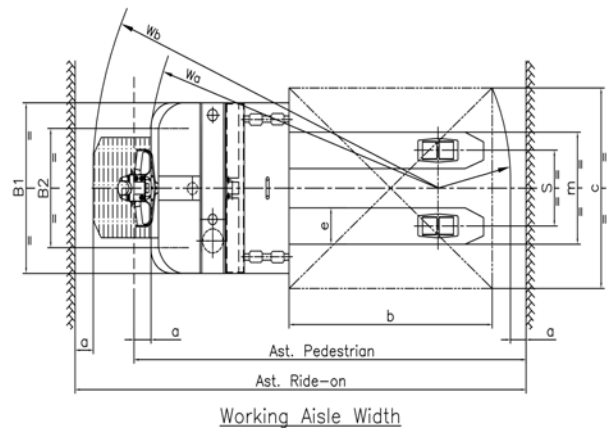
| Pallet size c x b | Position   |    | Working aisle width* |
|-------------------|------------|----|----------------------|
| 800 X 1200        | Crosswise  | mm | 2310                 |
| 800 X 1200        | Lengthways | mm | 2460                 |
| 1000 X 1200       | Crosswise  | mm | 2310                 |
| 1000 X 1200       | Lengthways | mm | 2540                 |
| 1200 X 1200       | Lengthways | mm | 2630                 |

Note: 90° stacking aisle width., \* - Pedestrian mode

### Optional Fork Lengths and Widths

| Capacity (Kg) | Fork length (mm) | Width over fork (mm) |     |
|---------------|------------------|----------------------|-----|
| 3000          | 1150             | 680                  | 750 |
| 2000          | 1400             | 680                  | 750 |
| 2000          | 1250             | 750                  | 800 |
| 2000          | 900              | 650                  | 680 |
| 2500          | 1150             | 680                  | 750 |

### ERE 20/25/30



For any special requirements, Please contact Jost's HO. Dimensions indicated here are subject to variations of ± 20mm and performance ± 10%. Service weight ± 50kg. Right to make changes and technical improvement reserved.