



EJE 20 / 25 / 30 (AC Drive)

Electric Pedestrian Pallet Truck

(Capacity 2000 / 2500 / 3000 kg.)

- MOSFET Programmable Step-less Speed Controller
- Fully-integrated AC Traction System
- Unique linkage Mechanism to provide jerk free lift of loaded pallet.
- Multi-function tiller head with enhanced Safety.

The Josts Electric Pedestrian Pallet Truck, EJE flexibly handle the palletised loads with excellent performance and long usage time. Josts EJE is ideal for heavy duty requirements of lorry loading / unloading. Jost's Pallet Trucks with AC technology provides advantage of reduced maintenance, improved power utilisation and improved battery life.



OPERATOR AREA:

Low hinged handle provides great maneuverability. Enclosed design, toe guard, safety and emergency stop buttons provides maximum safety for the operator.



DRIVE & DRIVE CONTROL

Powerful 1.5 Kw high performance AC motor of 1-hour rating efficiently drives a low noise two stage compact gear unit that is mounted directly on to the drive wheel. Microprocessor based MOSFET controller provide smooth and step-less control of speed and acceleration. It also helps in obtaining fault diagnostic information quickly and efficiently.



CHASSIS

Robust Construction and stable five-point contact design provides stability during turning. Swivel side support wheels provide stability and permits safe maneuvering in confined spaces. Battery holding compartment in the chassis is provided with suitable roller bed for easy removal of the battery.



WHEELS

Polyurethane wheels configuration enables noiseless smooth ride. It can withstand impact loads while rolling over bumps on the surfaces. Tandem load wheel configuration ensures smooth roll over with continuous contact on the floor and enables easy negotiation without jerks.



TILLER HEAD & STEERING:

Multi-function tiller head with ergonomically arranged operating elements provide operator comfort and safety during traveling, lifting and lowering. It also has a belly button that provides additional safety in case of emergencies. Steering lock at 90 on either side. Steering can be operated only in limited range of handle inclinations.



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 tapered suitably to provide better maneuverability while turning in confined spaces



BRAKE

Electromagnetic disc brake with hard wearing and asbestos free liner provides instantaneous 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 is driven by 0.8 Kw sturdy compound wound motor. The motor operates via lifting mechanism. The motor comprises of low lift hydraulic cylinder and load wheel linkages. It provides jerk free lift of the loaded pallet for the required ground clearance. Compact system consumes less battery power and is designed with very little scope for hydraulic losses.



SAFETY

Equipment has emergency power cut-off switch on chassis panel and anti-collision switch on tiller head. It has automatic lift cut off at 80% battery discharge condition to provide safety. Hydraulic circuit has safety feature similar to pressure relief valves and non return valves. Toe guard at rear end guards the operator against inadvertent accidents.



SERVICING

Modular service friendly design with easily removable front cover provides easy access to all components for servicing thus saving valuable time during maintenance



BATTERY & CHARGER

24V / 195Ah traction battery is supplied as a standard to ensure steady power supply. High frequency constant current automatic charger of 24V / 20Amp is also supplied as a standard. For longer work cycles and heavy-duty applications, higher capacity traction batteries can be supplied as options on request.

Specification

| | Model | Nos | EJE 20 | EJE 25 | EJE 30 |
|-------------------------------------|---|----------------|-----------------|-----------------|-----------------|
| Performance Data | 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 | 660 | 660 | 660 |
| | Travel speed (min.), laden | kmph | 4.0 | 4.0 | 4.0 |
| | Travel speed (min.), unladen | kmph | 4.5 | 4.5 | 4.5 |
| | 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 | 8 / 16 |
| | Battery weight, apx. | Kg. | 210 | 210 | 210 |
| Service weight incl. 'battery, apx. | Kg. | 580 | 610 | 640 | |
| Technical Data | Wheelbase | Y = mm | 1400 | 1400 | 1400 |
| | Wheels number front/ rear (x = driven wheels) | nos | 1x +2 / 4 | 1x +2 / 4 | 1x +2 / 4 |
| | Track width, front / rear | B2 / S = m m | 550 / 380 | 550 / 380 | 550 / 380 |
| | Overall length | L = mm | 1810 | 1810 | 1810 |
| | Lift | h1 = mm | 130 | 130 | 130 |
| | Fork lowered height | h = mm | 90 | 90 | 90 |
| | Safety clearance | a = mm | 100 | 100 | |
| | Front overhang | G = mm | 185 | 185 | 185 |
| | Overall Width | B1 = mm | * 716 | * 716 | 850 |
| | Fork dimensions | s / e / l = mm | 55 / 180 / 1150 | 55 / 180 / 1150 | 55 / 180 / 1150 |
| | Load wheel / forks tip distance | X = mm | 225 | 225 | 225 |
| | Width over forks (WOF) | m = mm | 560 | 560 | 560 |
| | Ground clearance (Center of wheel base) | GC = mm | 35 | 35 | 35 |
| | Turning radius | Wa = mm | 1700 | 1700 | 1700 |
| | Tyre of drive control | type. | MOSFET | MOSFET | MOSFET |
| | Drive motor rating S2 = 60 min. | kW | 1.5 | 1.5 | 1.5 |
| | Lift motor rating S2 = 1.8 min., S3 = 7% | kW | 0.8 | 0.8 | 0.8 |
| Sound level at driver's ear | db(A) | 85 | 85 | 85 | |

* For 330Ah Battery B1 = 850 mm

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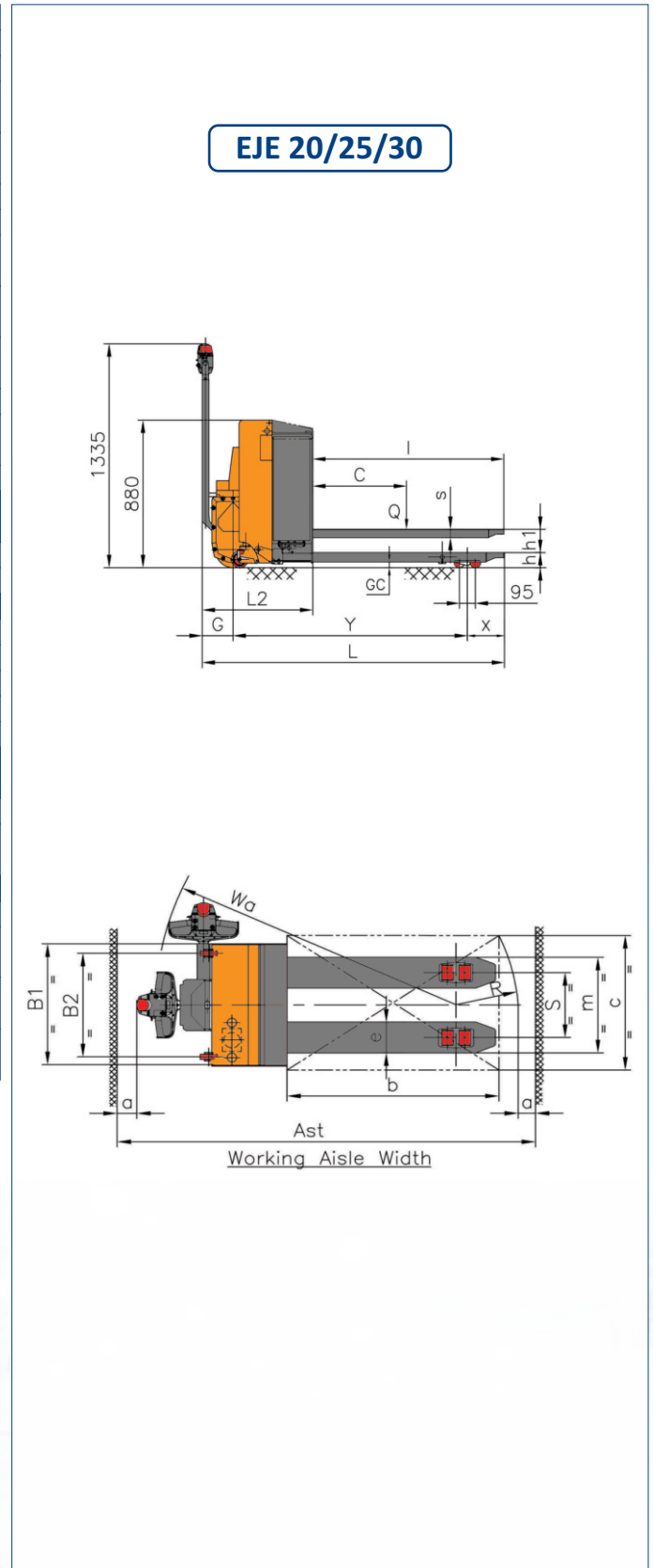
Working Aisle Width Ast. (mm)

| Pallet size c x b | Position | Ast* incl. 200mm safety clearance |
|-------------------|------------|-----------------------------------|
| 800 X 1200 | Crosswise | mm 2230 |
| 800 X 1200 | Lengthways | mm 2390 |
| 1000 X 1200 | Crosswise | mm 2230 |
| 1000 X 1200 | Lengthways | mm 2475 |
| 1200 X 1200 | Lengthways | mm 2560 |

Note: 90° stacking aisle width.

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 |



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.



Since 1907

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