

ERE 20/30

Electric Operated Stand-On Pallet Truck (2000 / 3000 kg.)



- MOSFET programmable stepless speed controller with diagnostic feature and heavy duty contactors.
- 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 mode.

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 simple pedestrian models, ERE can provide higher throughput can be achieved with higher speed on stand-on mode and goods can be cost effectively transported over long distances.

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 Series / Sepex motor of 1 hour rating with high over load capacity efficiently drives a low noise, two stage compact gear unit mounted directly on to the drive wheel.

Drive Control : Microprocessor based MOSFET controller provide 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.

Wheels : All wheels (Drive wheel $\varnothing 200 \times 85$ mm wide, load wheels $\varnothing 85 \times 75$ mm wide tandem, support castors $\varnothing 150 \times 50$ mm wide) are made of polyurethane material as 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 : Multi-function 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 lowering brake valve for gradual lowering, 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 hose burst valve, pressure relief valves and non return valves.

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 (standard) or 330Ah (optional) traction battery to ensure steady power supply and trouble free operations with trouble free battery maintenance.

Charger : 24V / 28Amp semi-automatic charger (standard) or 24V / 28Amp automatic charger (optional) for 195Ah battery and 24V / 42Amp semi-automatic charger (standard) and 24 / 42Amp automatic charger (optional) for 330Ah battery can be provided as per customer requirement.

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Performance Data

Capacity	kg	2000	3000
Travel speed :			
Without load	km/h	4.5	5.5
With rated load	km/h	3	3.5
Lifting speed :			
Without load	cm/s	7	7
With rated load	cm/s	4	3
Max. gradient performance :			
Without load	%	20	20
With rated load	%	8	6
Service weight with 195Ah traction battery	kg	775	890

Technical Data

Q - Capacity	kg	2000	3000
C - Load centre	mm	600	600
Y - Wheelbase	mm	1425	1570
L2 - Drive unit length	mm	810	870
L - Truck length	mm	1960	2020
m - Width over fork	mm	560	570
e - Fork width	mm	180	185
S - Track of load wheel	mm	380	385
h - Fork lowered height	mm	90	90
h1 - Lift	mm	130	115
Wa - Turning radius load section lowered	mm	1750	1900
a - Safety clearance	mm	100	100
l - Standard fork length	mm	1150	1150
G - Front overhang	mm	264	264
s - Fork thickness	mm	55	65
GC - Straddle ground clearance	mm	35	25

Working Aisle Width Ast. (mm)

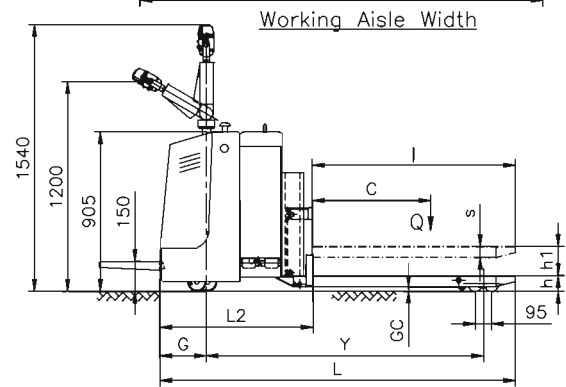
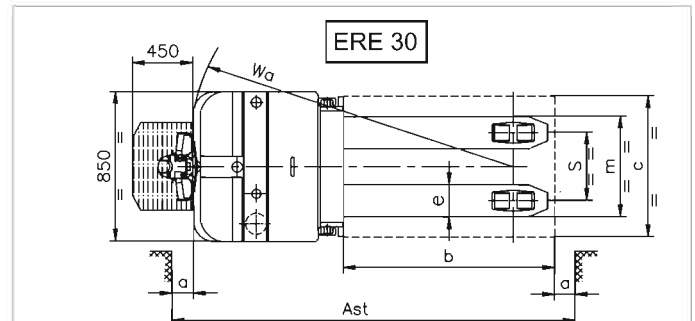
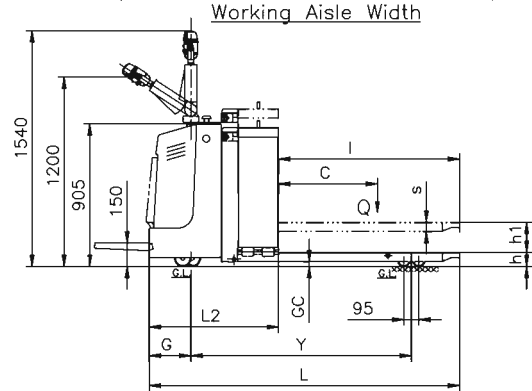
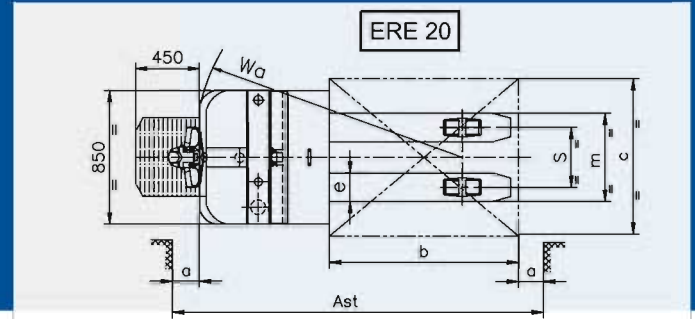
Pallet size c x b	Pedestrian mode		2000 kg	3000 kg
800 x 1200	Crosswise	mm	2150	2190
800 x 1200	Lengthways	mm	2400	2450
1000 x 1200	Crosswise	mm	2280	2360
1000 x 1200	Lengthways	mm	2450	2490

* For Ride-on or Stand-on mode, add 450 mm

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	910	680	650
1500	1750	680	750

* For any special requirement, please contact Jost's marketing department. • Dimensions indicated here are subject to variations of ± 20mm and performance within ± 10%. • Right to make changes and technical improvement reserved.



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