



ERE 20 / 25 / 30

(AC Drive)

Electric Stand-on Pallet Truck

(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.
- Ergonomically designed for enhanced Productivity, Safety & Serviceability

The Jost's Electric Stand-on Pallet Truck, ERE flexibly handle the palletised loads in dual mode either as Pedestrian or Stand-on pallet truck. It is ideal for lorry loading / unloading and for transportation of material inside medium and large warehouses. When compared with simple pedestrian models, ERE can provide higher throughput with higher speed on stand-on mode, thus goods can be cost effectively transported over long distances. Jost's Pallet Trucks with AC technology provides advantage of reduced maintenance, improved power utilisation and improved battery life.



OPERATOR AREA:

Stand-on foldable platform provides excellent comfort and safety. Dampening spring mechanism provides cushioning effect to swallow the jerks due to bumps on surface. Rubberized anti-skid mat provides good grip on stand-on mode thus enhance safety. Emergency stop button provides maximum safety for the operator



DRIVE & DRIVE CONTROL

Powerful 1.5 Kw AC motor of 1-hour rating efficiently drives a low noise, two stage compact gear unit mounted directly on 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 easily.



CHASSIS

Robust Construction and stable five point contact design enhances stability during turning. 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

Polyurethane wheels configuration enable noiseless smooth ride and have ability to 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 highest operator comfort and safety for traveling, lifting, lowering and horn at finger tips. It also has a belly button that provides additional safety in case of emergencies. 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. Fork ends are suitably tapered to provide better maneuverability while turning the equipment in confined spaces.



BRAKE

Electromagnetic disc brake with hard wearing and 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.



HYDRAULICS

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

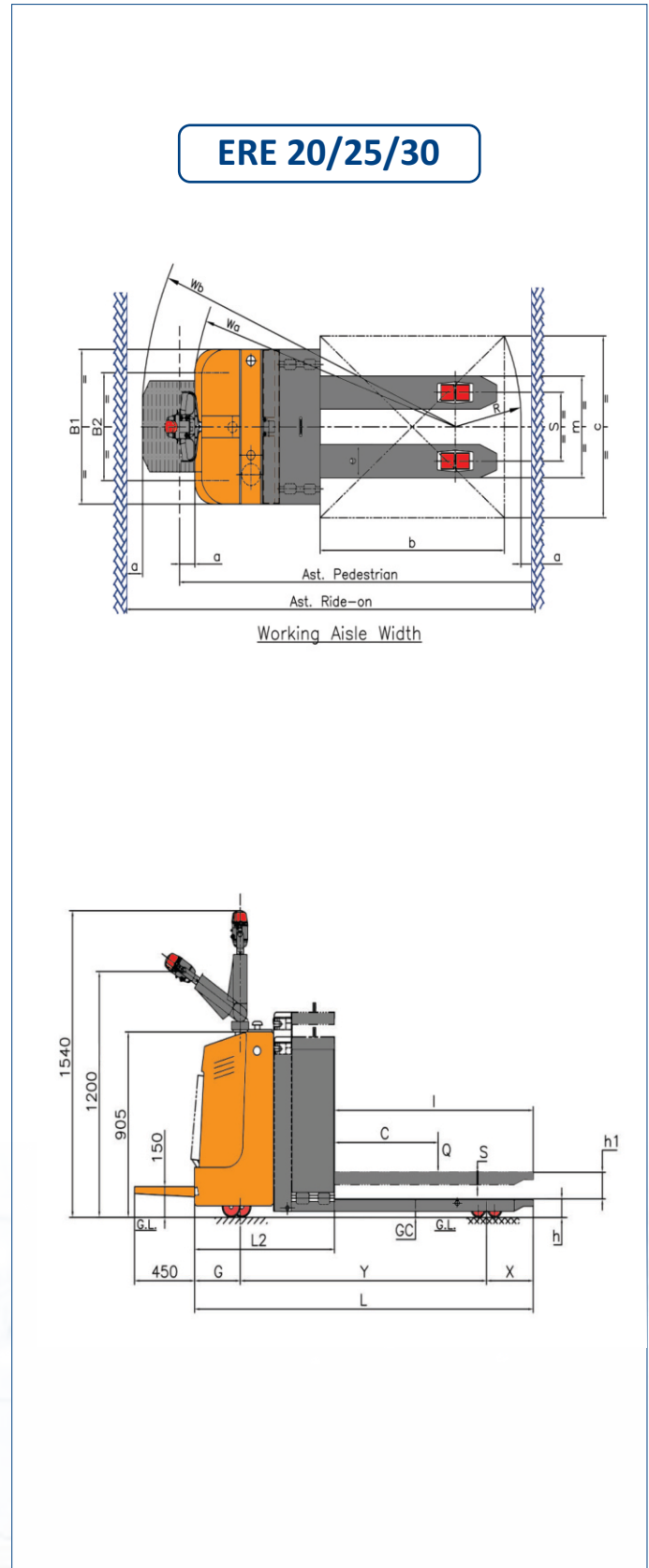


BATTERY & CHARGER

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

Specification

Performance Data	Model	Nos	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	210	210
	Service Weight incl. 'battery, apx.	Kg.	715	745	775
Technical Data	Wheelbase	Y = mm	1425	1425	1425
	Wheels	Type	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	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	GC = mm	35	35	35
	(Center of wheel base) Turning radius	Wa = mm	1750	1750	1750
	(Pedestrian Mode) Turning radius	Wb = mm	2160	2160	2160
(Stand-on Mode) 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	2310
800 X 1200	Lengthways	2460
1000 X 1200	Crosswise	2310
1000 X 1200	Lengthways	2540
1200 X 1200	Lengthways	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

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.



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