



EJE 50



EJE 35/40

EJE 35 / 40 / 50

(AC Drive)

Electric Pedestrian Pallet Truck

(Capacity 3500 / 4000 / 5000 kg.)

- MOSFET Programmable Step-less Speed Controller
- Fully-integrated AC Traction System
- Heavy Duty Design.
- Multi-function tiller head with enhanced Safety.
- Ergonomically designed for enhanced Productivity, Safety & Serviceability

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. Toe guard, safety and emergency stop buttons provide maximum safety for the operator.



DRIVE & DRIVE CONTROL

Powerful 1.5 / 2.5 Kw high performance AC motor of 1-hour rating efficiently drives a low noise, two stage compact gear unit mounted directly on to the drive wheel. The 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. 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 and 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 provide highest operator comfort and safety. It has ergonomically arrange operating elements 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. Steering can be operated only in limited range of handle inclinations comfortable to operator thus 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 tapered 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 / 2.2 Kw sturdy compound wound motor. The motor operates via the 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. Automatic lift cut off happen at 80% battery discharge condition to ensure equipment safety. Hydraulic circuit has safety features similar to pressure relief valves and non return valves. Toe guard at rear and guards the operator against inadvertent accidents. EJE 50 is equipped with pressure compensated flow control valve for cushioning effect while lowering the loaded forks.



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

The equipment comes with 24V / 330Ah traction battery to ensure steady power supply. High frequency constant current automatic charger of 24V / 35Amp is supplied as a standard.

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Specification

	Model	Nos.	EJE 35	EJE 40	EJE 50
Performance Data	Drive	type	AC	AC	AC
	Capacity	Q = Kg.	3500	4000	5000
	Load Center for rated capacity	C = mm	600	600	600
	Load distance (from load wheel to fork face)	L2 = mm	870	870	760
	Travel speed (min.), laden	kmph	4.0	4.0	4.5
	Travel speed, unladen	kmph	4.5	4.5	6.5
	Lift speed, laden / unladen	cm / s	1.6 / 2.5	1.4 / 2.5	2.2 / 2.5
	Lowering speed, laden / unladen	cm / s	3.1 / 2.5	3.3 / 2.5	3.3 / 2.3
	Gradient performance, laden / unladen	%	6 / 16	5 / 16	3 / 16
	Battery weight, apx.	Kg.	310	310	310
	Service weight incl. 'battery, apx.	Kg.	790	810	850
	Technical Data	Wheelbase	Y = mm	1570	1570
Wheels		type	Polyurethane	Polyurethane	Polyurethane
Load Wheel		mm	Ø85 x 75W	Ø85 x 75W	Ø100 x 140W
Side support castor wheel		mm	Ø100 x 40W	Ø100 x 40W	Ø100 x 40W
Drive wheel		mm	Ø200 x 85W	Ø200 x 85W	Ø254 x 100W
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 / 385	606 / 385	666 / 440
Overall length		L = mm	2020	2020	1920
Lift		h1 = mm	115	115	125
Fork lowered height		h = mm	90	90	110
Safety clearance		a = mm	100	100	100
Front overhang		G = mm	264	264	270
Overall width		B1 = mm	850	850	850
Fork dimensions		s / e / l = mm	65 / 185 / 1150	65 / 185 / 1150	80 / 240 / 1150
Load Wheel / Forks tip distance		X = mm	186	186	190
Width over forks (WOF)		m = mm	570	570	680
Ground clearance (Center of wheel base)		GC = mm	35	35	30
Turning radius		Wa = mm	1900	1900	1800
Drive control		type	MOSFET	MOSFET	MOSFET
Drive motor rating S2 = 60 min.		kW	1.5	1.5	2.5
Lift motor rating S2 = 1.8 min., S3 = 7%	kW	0.8	0.8	2.2	
Sound level at driver's ear	db(A)	85	85	85	

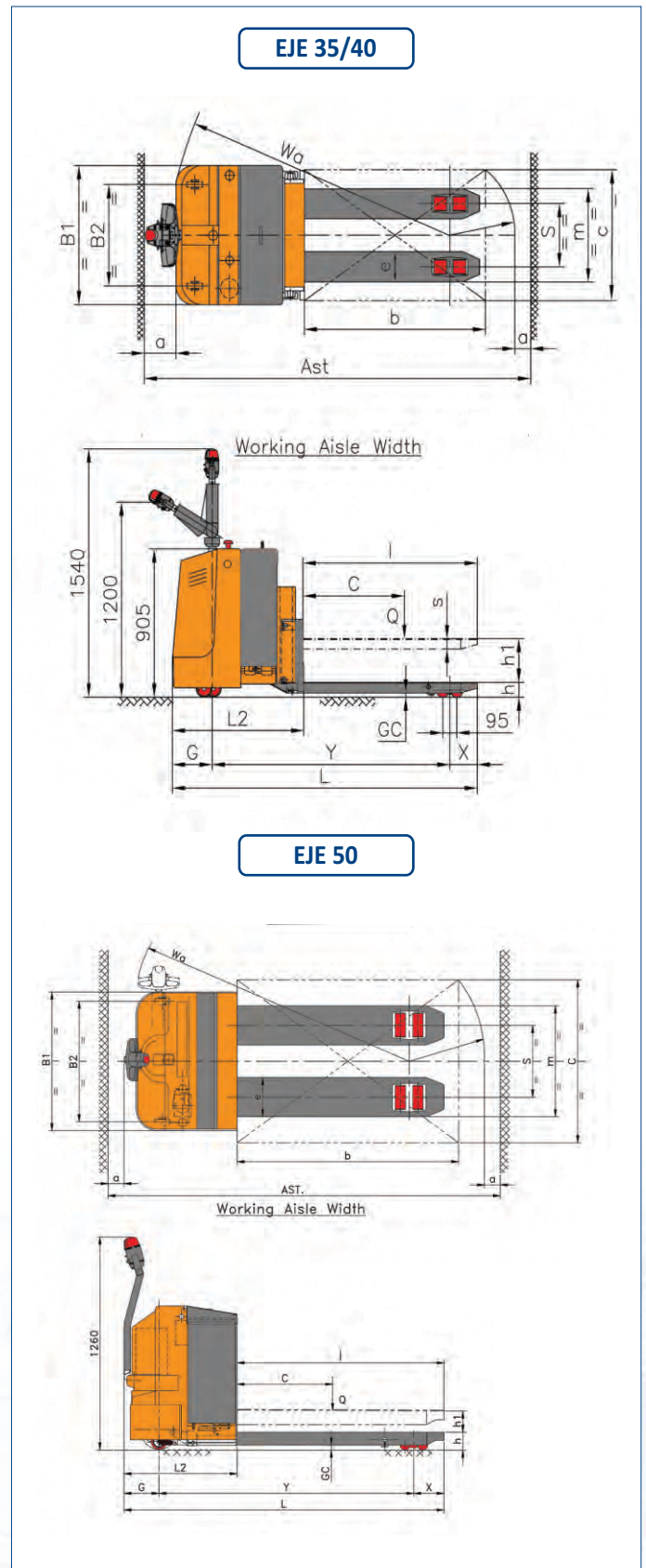
Working Aisle Width Ast. incl 200mm safety clearance

Pallet size c x b	Position		3500 kg	4000 kg	5000 kg
800 x 1200	Crosswise	mm	2400	2400	2350
800 x 1200	Lengthways	mm	2550	2550	2450
1000 x 1200	Crosswise	mm	2400	2400	2550
1000 x 1200	Lengthways	mm	2640	2640	2350
1200 x 1200	Lengthways	mm	2740	2740	2650

Note: 90° stacking aisle width.

Optional Fork Lengths and Widths

Capacity (kg)	Fork length (mm)	Width over fork (mm)
3500	1150	680 / 750
4000	1150	680 / 750
3500	1250	680 / 750
3000	1400	680 / 750
3000	900	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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