



EJB 15/17

(AC Drive)
Electric Pedestrian Straddle Stacker
(1500/1700 Kg.)

- MOSFET Programmable Step-less Speed Controller
- Fully-integrated AC Traction System
- Superior Mast design affords better Visibility
- Industry leading Performance
- Ergonomically designed for enhanced Productivity, Safety & Serviceability

The Jost's electric pedestrian straddle stacker, type EJB has been designed specially for flexible handling of palletised loads. Through its widened straddle arms and forks which can be lowered almost to the ground, it can be used to pick up unit loads on closed pallets where the support straddle cannot be taken underneath the pallets. Jost's Stackers with AC technology provides additional advantage of reduced maintenance, improved power utilisation and improved battery life.



OPERATOR AREA:

The low hinged handle provide ample scope for greater maneuverability. The safety and emergency stop buttons provide maximum safety for the operator. The centrally mounted steering tiller head enables the operator to position the equipment and guide the straddle smoothly on either side of the pallets.



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 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 steel construction with wider straddle contributes to inherent stability and also permits high residual capacities at various lift heights. Various inner straddle width configurations are available depending on the pallets handled. The battery holding compartment in the chassis is provided with suitable roller bed for easy removal of the battery.



WHEELS

The polyurethane wheels configuration enable noiseless smooth ride over variety of surfaces. The tandem load wheel configuration ensures smooth roll over with continuous contact on the floor and enables easy negotiation over small bumps and jerks.



TILLER HEAD & STEERING:

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 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.



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.



HYDRAULICS

Compact power pack unit with high pressure pump driven by 3.0 Kw sturdy series / compound wound motor forms the heart of hydraulic system which enables smooth and efficient lifting and lowering operations to various stacking heights. During stacking and retrieval, the operator can operate lifting / lowering push button on the tiller head without leaving the driving position.



MAST, CARRIAGE & FORKS:

Robust steel fabricated mast, carriage with welded forks ensure durable service. The individual moving components are accurately selected, manufactured and fitted for trouble free performance. The truck is fitted with either a three stage mast (PD) with high free lift or two stage mast (PT) as standard for maximum lift height requirement up to 6000 mm. The construction of mast is such that it provides excellent visibility of the load carriage / fork during all operations. The PD mast configuration is suitable for operation within the containers. Options of fork lengths are available for different types of pallets.



SAFETY

The truck is equipped with lowering brake valve for gradual lowering, automatic lift cut off at 80% battery discharge condition for enhanced safety and anti-collision switch on tiller head. The hydraulic circuit has safety feature like hose burst valve, pressure relief valves and non return valves. The controller can also be set for dual travel speed limit (optional) for creep speed setting while stacking and retrieving with the raised load.



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

The equipment comes with 24V / 195Ah traction battery for lift height up to 5250 mm and 24V / 330Ah traction battery beyond 5250 mm to ensure steady power supply. High frequency constant current automatic charger of 24V / 20Amp for 24V / 195Ah battery and 24V / 35Amp for 24V / 330Ah traction battery is supplied as a standard.

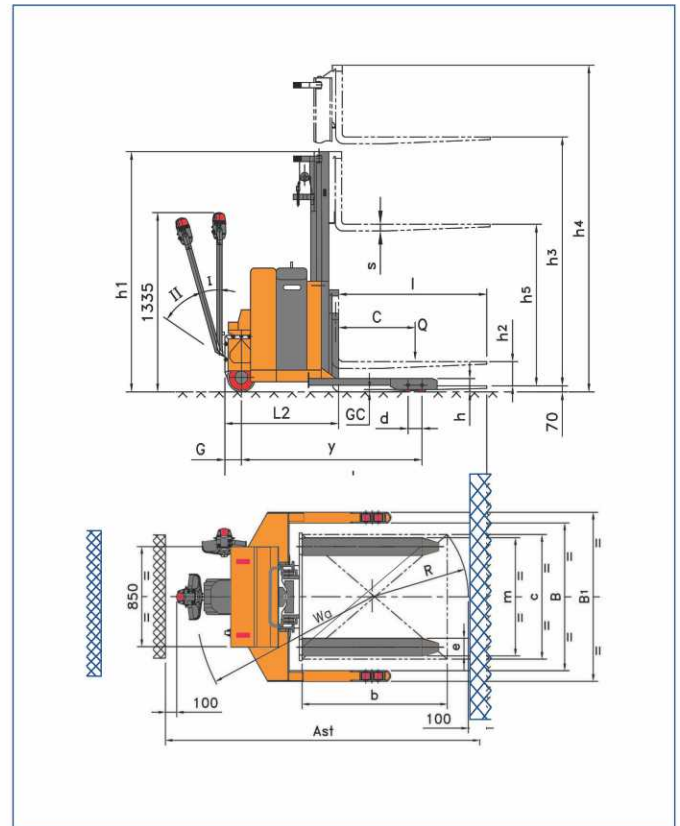
(AC Drive) Electric Pedestrian Straddle Stacker (1500/1700 Kg.)

Performance Data

Identification	Model	nos.	EJB15	EJB17	
	Operator	type		Pedestrian	Pedestrian
Drive	type		AC	AC	
Capacity	Q=Kg		1500	1700	
Load center for rated capacity	c=mm		600	600	
Wheelbase	Y=mm		1365	1365	
Weight	Battery weight (apx.)	Kg.	210	210	
	Service weight with 2800 PT mast and 195 Ah traction battery (apx.)	Kg.	1050	1100	
Wheels/Chassis	Wheels	type	Polyurethane		
	Load wheel	mm	Ø100x50W	Ø100x50W	
	Drive wheel	mm	Ø200x85W	Ø200x85W	
	Wheels, number front/rear (x=driven wheels)	nos.	1x+4	1x+4	
Basic Dimensions	Height of straddle (lower height)	h=mm	100	100	
	Length to face of forks with PT & PD mast	L2=mm	960	960	
	Truck length upright with PT & PD mast	L=mm	2110	2110	
	Width over forks, min. - max. (adjustable)	m=mm	250 - 980	250 - 980	
	Overall width	B1=mm	1400	1400	
	Width between Straddles*	B=mm	1250	1250	
	Distance between tandem load wheels	d=mm	108	108	
	Fork thickness	s=mm	40	40	
	Fork width	e=mm	100	100	
	Standard fork length	l=mm	1150	1150	
Other Power Performance	Ground clearance, center of wheel base	GC=mm	50	30	
	Front over hang	G = mm	185	185	
	Turning radius	Wa=mm	1620	1620	
	Travel speed, laden	km / h	5	5	
	Travel speed, unladen	km / h	5.5	5.5	
	Lift speed, laden / unladen	cm / s	11 / 15	10 / 14	
	Lowering speed, laden / unladen	cm / s	8 / 6	8.5 / 6	
	Gradient performance, laden / unladen	max.%	8 / 16	7 / 16	
	Service brake	type	Electromagnetic		
	Sound level at driver's ear	db(A)	85	85	85
Drive motor rating S2 = 60 min.	kW	1.5	1.5		
Lift motor rating S2= 5 min, S3 = 9%.	kW	3	3		

Note: (1) # = L & L2 for PD mast, add 25mm.

(2) * = Customised straddle inner-width can be made available on request. (3)



- h1 – Closed mast height
- h2 – Normal free lift
- h3 – Lift
- h4 – Extended mast height
- h5 – High free lift
- h – Fork lower height

Residual Capacity Chart		
Model	EJB 15	EJB 17
Width over forks, min. - max. (adjustable)(mm)	250 - 980	
Straddle Inner Width (adjustable forks) (mm)	1250	1250
Fork Length (mm)	1150	1150
Body (Width) (mm)	850	850
Lift (mm)	Residual Capacity (kg)	
2000	1500	1700
2400	1500	1700
2800	1500	1700
3600	1250	1450
4200	1050	1300
4500	950	1200
5250	750	1000
6000	500	800

- For lift requirements above 6000 mm, pls. refer HO.
- The residual capacity beyond 5250 mm lift height is with 330Ah battery.

2 – Stage Mast (PT) EJB – 15/17				1 – Stage Mast (SX) EJB – 15/17		
h1	h3	h2	h4	h1	h3	h4
1950	2800	100	3450	1300	800	1450
2300	3500	100	4150	1900	1400	2050
2650	4200	100	4850	2000	1500	2150

3 – Stage Mast (PD) EJB – 15/17				3 – Stage Mast (PD) EJB – 15/17			
h1	h3	h5	h4	h1	h3	h5	h4
1750	3600	1250	4250	2350	5250	1800	5900
1950	4200	1450	4850				
2100	4500	1550	5150				

Note : Non standard lift height may be available on request.
For lift requirements above 6000 mm, pls. refer HO.

Working Aisle Width Ast. (mm) Incl. 200 mm Safety Clearance

Pallet Size cxb	Position	Working aisle width
800 x 1200	Lengthways	2560
1000 x 1200	Lengthways	2620
1200 x 1200	Lengthways	2690

Note: 90° stacking aisle width.



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