



EJB 15/17

(AC Drive)

Electric Pedestrian Straddle Stacker
(Capacity 1500/1700 Kg.)

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

Jost's Electric Pedestrian Straddle Stacker, EJB flexibly handle the 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 advantage of reduced maintenance, improved power utilisation and improved battery life.



OPERATOR AREA:

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



HYDRAULICS

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



MAST, CARRIAGE & FORKS:

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



CHASSIS

Chassis consists of Robust steel construction with wider straddle that provides stability. It permits high residual capacities at various lift heights. Various inner straddle width configurations are available depending on the pallets handled. 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 over variety of surfaces. 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 provide highest operator comfort and safety. It has ergonomically arranged 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. This provides additional operational safety.



BRAKE

Electromagnetic disc brake with hard wearing and asbestos free liner provides quick braking. When the handle is close to vertical or horizontal position, brake becomes operational with simultaneous power cut-off.



SAFETY

Equipment has lower brake valve for gradual lowering. It automatic lift cut off at 80% battery discharge condition for enhanced safety. Equipment has anti-collision switch on tiller head. Hydraulic circuit has safety feature similar to hose burst valve, pressure relief valves and non return valves. Controller can also be set for dual travel speed limit (optional) for creep speed setting during stacking and retrieving operations with the raised load.



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

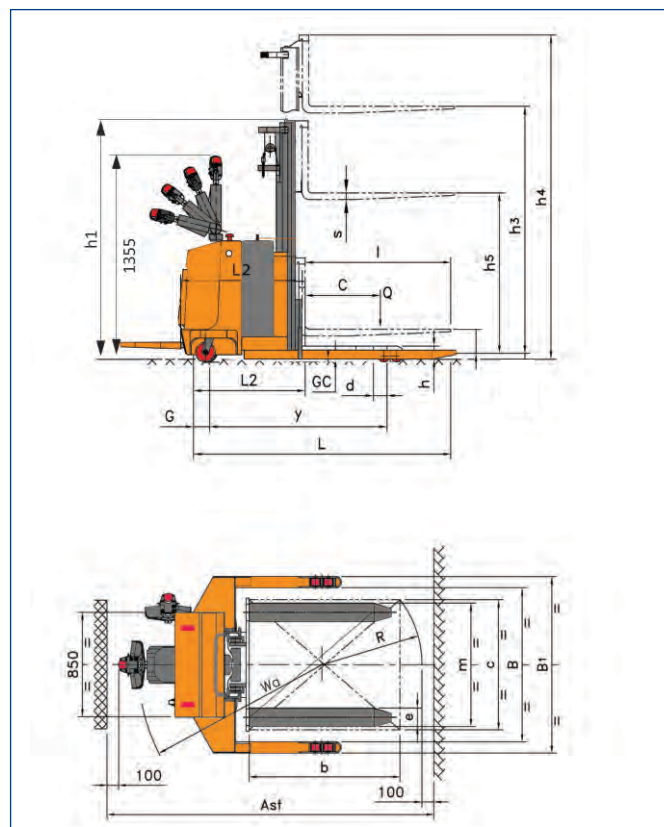
Equipment comes with 24V / 195Ah traction battery for lift height up to 5250 mm and 24V / 330Ah traction battery beyond 5250 mm to ensure steady power supply. High frequency constant current automatic charger of 24V / 20Amp for 24V / 195Ah battery and 24V / 35Amp for 24V / 330Ah traction battery is supplied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

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	Ø100 x 50W		Ø100 x 50W	
	Drive wheel	mm	Ø200 x 85W		Ø200 x 85W	
	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	
	Ground clearance, center of wheel base	GC = mm	50		30	
	Front over hang	G = mm	185		185	
Turning radius	Wa = mm	1620		1620		
Performance	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	
Other Power	Service brake	type	Electromagnetic			
	Sound level at driver's ear	db(A)	85	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
- h3 – Lift
- h5 – High free lift
- h4 – Extended mast height
- h – Fork lower height

Residual Capacity Chart		
Model	EJB15	EJB17
Width Over Forks,min-max.(adjustable) (mm)	250 - 980	
Straddle Inner Width (Adjustable fork) (mm)	1250	1250
Fork Length (mm)	850	850
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

Note: (1) For lift requirments above 5500 mm, plz. refer HO

(2) 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	2650	6000	2100	6650
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.