



ERB 15/17

(AC Drive)

Electric Stand-on Straddle Stacker

(Capacity 1500/1700 Kg.)

- MOSFET Programmable Step-less Speed Controller
- Fully-integrated AC Traction System
- Panorama Mast for excellent Visibility of load during Operation
- Industry leading Performance
- Ergonomically designed for enhanced Productivity, Safety & Serviceability

Jost's Electric Stand-on Straddle Stacker, ERB flexibly handle the palletised loads in dual mode either as pedestrian or stand-on stacker. 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:

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



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. 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 and stable five point contact design permits high residual capacities and enhances stability during turning. Rounded enclosed contours with integrated support straddle permits safe maneuvering during operation. Various inner straddle width configurations are available depending on the pallets to be 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 has belly button that provides additional safety in case of emergencies. Steering lock at 90 degree 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.



HYDRAULICS

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



MAST, CARRIAGE & FORKS:

Robust steel fabricated mast and 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 of 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 type of pallets.



SAFETY

Equipment has lowering brake valve for gradual lowering. It automatic lift cut off at 80% battery discharge condition for enhanced safety. It has anti-collision switch on tiller head. Hydraulic circuit has safety features 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 while stacking and retrieving with the raised load.



SERVICING

Equipment has lowering brake valve for gradual lowering. It automatic lift cut off at 80% battery discharge condition for enhanced safety. It has anti-collision switch on tiller head. Hydraulic circuit has safety features 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 while stacking and retrieving with the raised load.



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

(AC Drive) Electric Stand-on Straddle Stacker (1500/1700 Kg.)

Performance Data

Identification	Model	nos.	ERB 15	ERB 17
	Drive	type	AC	AC
	Operator	type	Stand-on	Stand-on
	Capacity	Q = Kg	1500	1700
	Load center for rated capacity	C = mm	600	600
Weight	Wheelbase	Y = mm	1320	1320
	Battery weight (apx.)	Kg.	210	210
	Service weight with 2800 PT mast and 195 Ah traction battery (apx.)	Kg.	1100	1200
Wheels/Chassis	Wheels	type	Polyurethane	Polyurethane
	Load wheel	mm	Ø100 x 50W	Ø100 x 50W
	Side support castor wheel	mm	Ø150 x 50W	Ø150 x 50W
	Drive wheel	mm	Ø200 x 85W	Ø200 x 85W
	Wheels, number front / rear (x = driven wheels)	nos.	1x+2/4	1x+2/4
Basic Dimensions	Height of Straddle (lower height)	h = mm	100	100
	Length to face of forks with PT & PD mast	L2 = mm	1000	1000
	Truck length upright with PT & PD mast	L = mm	2150	2150
	Width over forks (adjustable)	m = mm	250 - 980	250 - 980
	Overall Width	B1 = mm	1400	1400
	Drive track	B2 = mm	606	606
	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 (unladen)	GC = mm	50	30
	Front over hang	G = mm	264	264
	Turning radius (Pedestrian mode)	Wa = mm	1640	1640
	Turning radius (Ride - on mode)	Wb = mm	2050	2050
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
Power	Service brake	type	Electromagnetic	
	Sound level at driver's ear	db(A)	85	85
	Drive motor rating S2 = 60 min.	kW	1.5	1.5
	Lift motor rating S2 = 5min. S3 = 9%	kW	3	3

Note: (1) For lift requirements above 6000 mm, pls. refer HO.

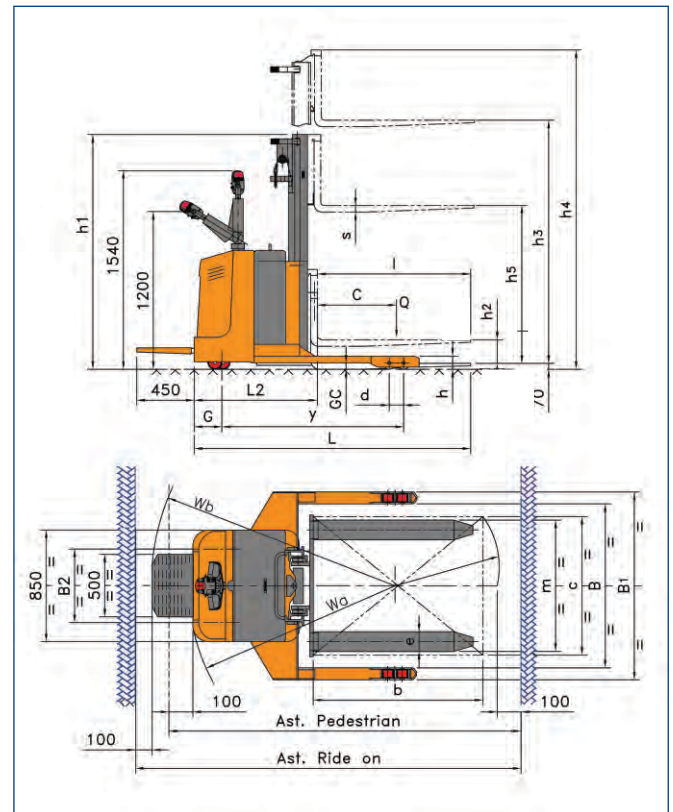
(2) # = L & L2 for PD mast, add 25mm.

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

Residual Capacity Chart		
Code	16	17
Width Over Forks (Fixed Forks)	ADJ	ADJ
Straddle Inner Width (Adjustable fork)	1250	1250
Fork Length	1150	1150
Body (Width)	850	850
2800	1500	1700
3600	1500	1700
4200	1300	1400
4500	1200	1300
5250	950	1050
5500	850	950
6000	700	800
6300	650	750

• For lift requirements above 6300 mm, pls. refer HO.

• The residual capacity beyond 5250 mm lift height is with 330Ah battery.



- h1 – Closed mast height
- h3 – Lift
- h5 – High free lift
- h4 – Extended mast height
- h – Height of straddle (lower height)

2 – Stage Mast (PT) ERB – 15/17		
h1	h3	h4
1950	2800	3450
2300	3500	4150
2650	4200	4850

1 – Stage Mast (SX) EJC – 15/17		
h1	h3	h4
1300	800	1450
1900	1400	2050
2000	1500	2150

3 – Stage Mast (PD) ERB – 15/17				3 – Stage Mast (PD) ERB – 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	2825	6300	2300	6850

Note : Non standard lift height may be available on request.
For lift requirements above 6300 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	2600
1000 x 1200	Lengthways	2660
1200 x 1200	Lengthways	2720

Note: 90° stacking aisle width., * - Pedestrian mode

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