



## ERB 15/17

(AC Drive)  
Electric Stand-on Straddle Stacker  
(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

The Jost's Electric Stand-on Straddle Stacker, type ERB has been designed specially for the flexible handling of 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 additional advantage of reduced maintenance, improved power utilisation and improved battery life.



### OPERATOR AREA:

The stand-on foldable platform provides excellent comfort and safety. The dampening spring mechanism provides the required cushioning effect that "swallows" the bumps on the surface. The rubberized anti-skid mat provides good grip on stand-on mode enhancing 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. 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 and the stable five point contact design permits high residual capacities and enhances stability during turning. The 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. 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 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 type 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 Stand-on Straddle Stacker (1500/1700 Kg.)

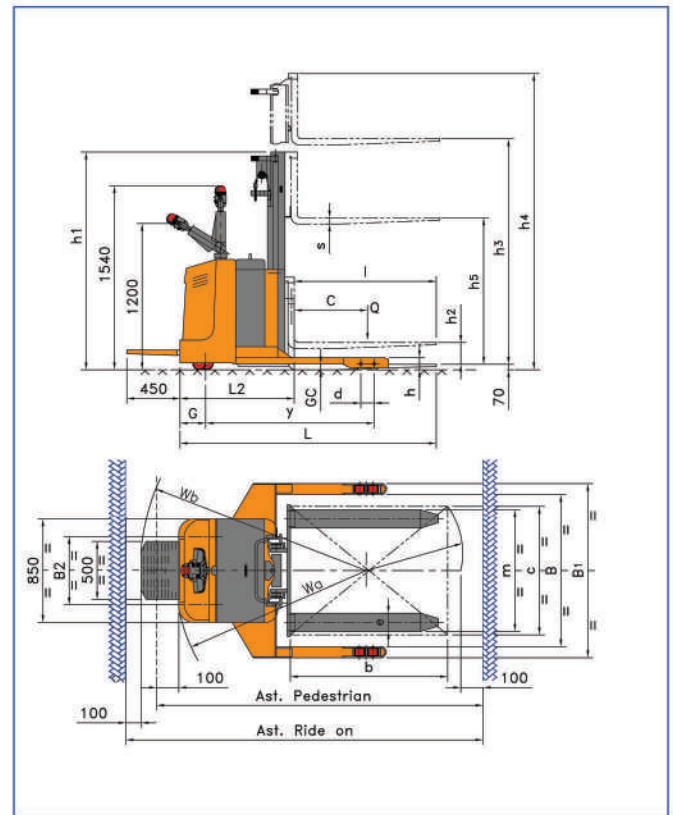
### Performance Data

Identification	Model	nos.	ERB 15	ERB 17
	Drive	type	AC	AC
	Operator	type	Stand-on	Stand-on
	Capacity	Q=Kg	1500	1700
Weight	Load center for rated capacity	C=mm	600	600
	Wheelbase	Y=mm	1320	1320
Wheels/Chassis	Battery weight (apx.)	Kg.	210	210
	Service weight with 2800 PT mast and 195 Ah traction battery (apx.)	Kg.	1100	1200
Basic Dimensions	Wheels	type	Polyurethane	Polyurethane
	Load wheel	mm	Ø100x50W	Ø100x50W
	Side support castor wheel	mm	Ø150x50W	Ø150x50W
	Drive wheel	mm	Ø200x85W	Ø200x85W
Performance	Wheels, number front/rear (x= driven wheels)	nos.	1x+2/4	1x+2/4
	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	
Power	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
Performance	Gradient performance, laden / unladen	max.%	8 / 16	7 / 16
	Service brake	type	Electromagnetic	
	Sound level at driver's ear	db(A)	85	85
Power	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		
Model	ERB 15	ERB 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.



- h1 – Closed mast height
- h2 – Normal free lift
- h3 – Lift
- h4 – Extended mast height
- h5 – High free lift
- h – Height of straddle ( lower height )

### Standard Mast Designs (mm)

2 – Stage Mast (PT) ERB – 15/17				1 – Stage Mast (SX) ERB – 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) 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				

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	2600
1000 x 1200	Lengthways	2660
1200 x 1200	Lengthways	2720

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

For any special requirements, Please contact Jost's H.O., Dimensions indicated here are subject to variations of ± 20 mm and performance ± 10%. Service weight ± 50 kg. Right to make changes and technical improvement reserved.



Since 1907

## Jost's Engineering Company Limited

C-7 Wagle Industrial Estate, Road No. 12, Thane - 400 604. Maharashtra. INDIA.  
 T.: +91.22.6117 4000 / 2582 1748 F.: +91.22.6117 4020 E.: infomhe@josts.in

Bengaluru : +91.080.41234775 / 41234885 Chennai : +91.044.2626 8536 / 2628 8407 Delhi : +91.011. 4567.6000 / 4567.6014 Kolkata : +91.033.2242 9510 / 4008 1242 Pune : +91.020.2543. 4565/2543 .4390 Secunderabad : +91.040.2771.4934 / 44 / 54 Vadodara : +91.0265.2351.642