

ERC 15/17/17V/17S

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

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Standard Mast Designs (mm)

2 – Stage Mast (PT) ERC 15/17/17V

h1	h3	h2	h4
1950	2800	100	3350
2300	3500	100	4050
2650	4200	100	4750

1 – Stage Mast (SX) ERC 15/17/17V

h1	h3	h4
1300	800	1350
1900	1400	1950
2000	1500	2050

3 - Stage Mast (PD) ERC 15/17/17V

h1	h3	h5	h4
1750	3600	1250	4150
1950	4200	1450	4750
2100	4500	1550	5050

3 - Stage Mast (PD) ERC 15/17/17V

h1	h3	h5	h4
2350	5250	1800	5800
2650	6000	2100	6550 [®]
2825	6300	2300	6850 [®]

3 - Stage Mast (PD) ERC 17S

h1	h3	h5	h4
2350	5250	1800	5800
2650	6000	2100	6550
2825	6300	2300	6850

Note :- 1.- [®] For ERC 17 / 17V only., 2.- Non standard lift height may be available on request.

Working Aisle Width Ast. (mm) * Incl. 200 mm safety clearance

Pallet size cxb	Position	Working aisle width*
800 x 1200	Lengthways (Only 570 WOF)	2530
800 x 1200	Crossways (570WOF)	2420
800 x 1200	Crossways (680WOF)	2440
800 x 1200	Crossways (750WOF)	2460
1000 x 1200	Lengthways	2600
1000 x 1200	Crossways (570WOF)	2420
1000 x 1200	Crossways (680WOF)	2440
1000 x 1200	Crossways (750WOF)	2460
1200 x 1200	Lengthways	2675

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.



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Since 1907

ERC 15/17/17V/17S

(AC Drive)
Electric Stand-on 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 productivity, safety & serviceability
- Ergonomically designed for enhanced Productivity, Safety & Serviceability

The Jost's Electric Stand-on Stacker, type ERC has been designed specially for the flexible handling of palletised loads in dual mode either as pedestrian or stand-on stacker. It is ideally suited for improved performance at great lift heights with high residual capacities as well as usage times. 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 and wider track width permits safe maneuvering in confined spaces with better residual capacities even at greater heights. 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 900 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 3Kw sturdy 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 6300 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. Various options of fork lengths and width over forks 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



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.

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Performance Data

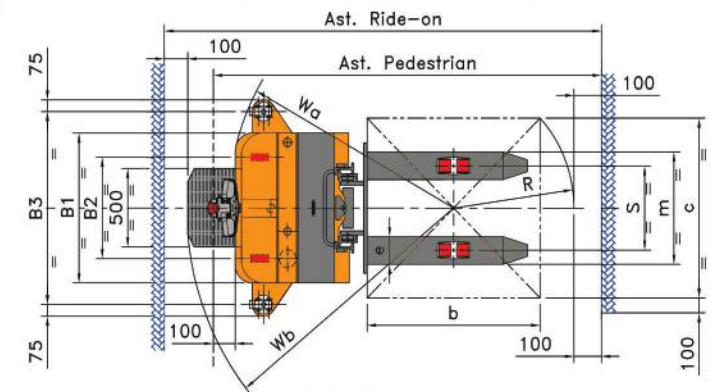
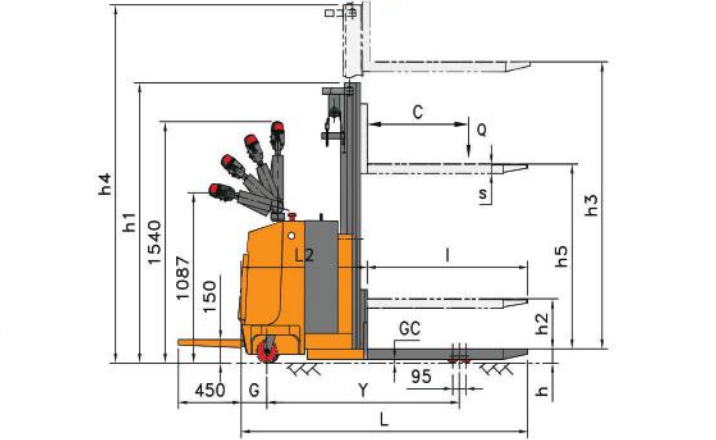
Identification	Model	nos.	ERC 15	ERC 17	ERC 17V	ERC 17S	
	Drive	type		AC	AC	AC	AC
Operator	type		Stand - on	Stand - on	Stand - on	Stand - on	
Capacity	Q=Kg		1500	1700	1700	1700	
Load center for rated capacity	C=mm		600	600	600	600	
Wheelbase	Y=mm		1300	1300	1300	1300	
Weight	Battery weight (apx.)	Kg.	210	210	210	210	
	Service weight with 2800 PT mast and 195 Ah traction battery (apx.)	Kg.	1050	1150	1175	1550	
Wheels / Chassis	Wheels	type	Polyurethane	Polyurethane	Polyurethane	Polyurethane	
	Load wheel	mm	Ø85 x 75W	Ø85 x 75W	Ø85 x 75W	Ø85 x 75W	
	Support Castors wheel	mm	Ø150 x 50W	Ø150 x 50W	Ø150 x 50W	Ø150 x 50W	
	Drive wheel	mm	Ø200 x 85W	Ø200 x 85W	Ø200 x 85W	Ø200 x 85W	
	Stabilizer wheel	mm	-	-	-	Ø80 x 70W	
	Wheels, number front / rear (x = driven wheels)	nos.	1x+2/4	1x+2/4	1x+2/4	-	
	Wheels, front / middle(stabilizer) / rear (x = driven wheels)	nos.	-	-	-	1x+2/2/4	
	Drive Track	B2=mm	606	606	1250	-	
	Drive Track above 5250 lift	B2=mm	-	756	-	756	
	Stabilizer wheel track	B3=mm	-	-	-	896	
Basic Dimensions	Lower height	h=mm	90	95	95	95	
	Length to face of forks with PT & PD mast	L2=mm	930	930	930	-	
	Length to face of forks with PD mast	L2=mm	-	-	-	930	
	Truck length (PT & PD mast)	L=mm	2080	2080	2080	-	
	Truck length (PD mast)	L=mm	-	-	-	2080	
	Width over forks up - to 4200 lift	m=mm	570 / 680 / 750	570 / 680 / 750	570 / 680 / 750	-	
	Width over forks up - to 4500 lift	m=mm	570 / 680 / 750	570 / 680 / 750	570 / 680 / 750	-	
	Width over forks up - to 5250 lift	m=mm	570 / 680 / 750	680 / 750©	570 / 680 / 750	570	
	Width over forks up - to 6000 lift	m=mm	-	680 / 750©	570 / 680 / 750	570	
	Width over forks up - to 6300 lift	m=mm	-	-	570 / 680 / 750	570	
	Width over forks max. (adjustable)*	m=mm	980	980	980	980	
	Drive Body width (overall width)	B1=mm	850	850	1400	-	
	Overall width	B4=mm	-	-	-	1110	
	Overall width above 5250 lift	B1=mm	-	1000	-	-	
	Drive body width above 5250 lift	B1=mm	-	-	-	1000	
	Fixed fork dimensions	s/e/l=mm	65 / 185 / 1150	65 / 185 / 1150	65 / 185 / 1150	65 / 185 / 1150	
	Adjustable fork dimensions*	s/e/l=mm	40 / 100 / 1150	40 / 100 / 1150	40 / 100 / 1150	40 / 100 / 1150	
	Ground clearance, center of wheel base (unladen)	GC=mm	30	25	25	25	
	Front overhang	G=mm	264	264	264	264	
	Load wheel track (570 / 680 / 750 width over fork)	S=mm	386 / 496 / 566	386 / 496 / 566	386 / 496 / 566	386	
	Turning radius (850 overall width - Pedestrian mode)	Wa=mm	1620	1620	1620	-	
	Turning radius (1000 overall width - Pedestrian mode)	Wa=mm	-	1650	-	1650	
	Turning radius (Ride-on Mode)	Wb=mm	2030	2030	2030	2030	
	Performance	Travel speed, laden	km / h	5	5	5	5
		Travel speed, unladen	km / h	5.5	5.5	5.5	5.5
Lift speed, laden / unladen		cm / s	11 / 15	10 / 14	10 / 14	10 / 14	
Lowering speed, laden / unladen		cm / s	8 / 6	8.5 / 6	8.5 / 6	8.5 / 6	
Gradient performance, laden / unladen		max.%	8 / 16	7 / 16	7 / 16	7 / 16	
Service brake		type	Electromagnetic	Electromagnetic	Electromagnetic	Electromagnetic	
Power	Sound level at driver's ear	db(A)	85	85	85	85	
	Drive motor rating S2 = 60 min.	kW	1.5	1.5	1.5	1.5	
	Lift motor rating S2 = 5 min., S3 = 9%	kW	3	3	3	3	

Note : (1)* = Optional adjustable forks (2A / 2B class of forks), Pls. also note fork lowered height would be 135 mm when adjustable forks is over the straddle.
 (2)# = L & L2 for PD mast, add 25mm. (3)© = 680 mm & 750 mm WOF is also available from 5250 mm to 6000 mm lift in ERC 17 with 1000 mm body only.

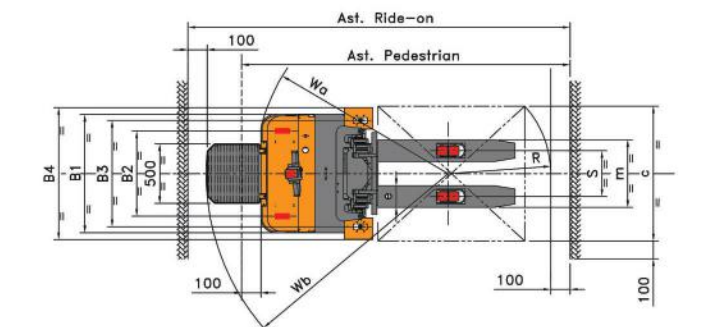
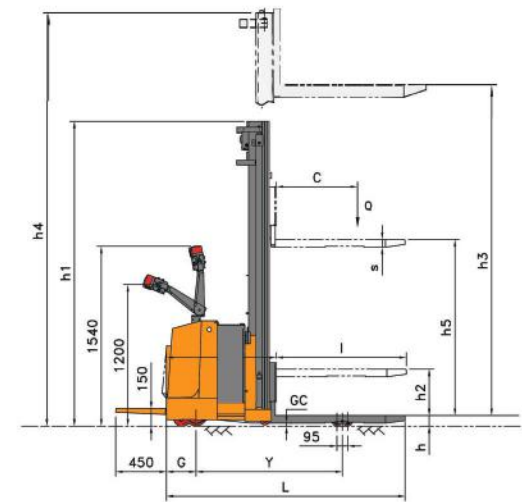
Residual Capacity Chart													
Model	ERC 15			ERC 17			ERC 17V			ERC 17S			
Width Over Forks (Fixed Forks) (mm)	570	680	750	570	680	750	570	680	750	570	680	750	570
Straddle Inner Width (Adjustable fork) (mm)	260	370	440	260	370	440	260	370	440	260	370	440	260
Fork Length (mm)	1150			1150			1150			1150			1150
Body (Width) (mm)	850			850			1000			850			1000
Lift (mm)	Residual Capacity (Kg)												
2000	1500	1500	1500	1700	1700	1700	1700	1700	1700	1700	1700	1700	-
2400	1500	1500	1500	1700	1700	1700	1700	1700	1700	1700	1700	1700	-
2800	1500	1500	1500	1700	1700	1700	1700	1700	1700	1700	1700	1700	-
3600	1100	1300	1500	1200	1450	1700	1250	1700	1700	1450	1600	1700	-
4200	800	1000	1200	1000	1150	1300	1050	1300	1400	1200	1400	1500	-
4500	600	700	800	900	1050	1200	950	1200	1300	1100	1200	1300	-
5250	500	600	700	-	-	-	-	950	1050	900	1050	1150	800
6000	-	-	-	-	-	-	-	650	750	700	800	900	600
6300	-	-	-	-	-	-	-	-	-	450	550	600	300

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

ERC 15/17/17V



ERC 17S



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