

ERC 15/17/17^V

Electric Operated Stand-On
Stacker (1500 / 1700 Kg.)



- MOSFET programmable step less speed controller, with diagnostic feature and heavy duty contactors.
- Wide range of capacities and lift heights up to 6300 mm.
- Enhanced safety with dual speed limit for stand-on and pedestrian operation (optional).
- Panorama mast for excellent visibility of load during operation.

The Josts 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 and usage times.

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 : Powerful 1.5 Kw high performance Series / SEPEX motor of 1 hour rating with high over load capacity efficiently drives a low noise, two stage compact gear unit mounted directly on to the drive wheel.

Drive Control : Microprocessor based MOSFET controller provide smooth and stepless control of speed and acceleration. It also helps in obtaining fault diagnostic information quickly and easily. The high life cycle contactors used in the controller circuit enhances dependability and productivity. The controller can also enable dual setting for different speed limits in pedestrian as well as stand-on mode(optional).

Chassis : Robust steel construction and the stable 4 / 5 point contact design permits high residual capacities and enhances stability during turning. The rounded enclosed contours permits safe maneuvering in confined spaces. The wider track width of the support wheel of ERC 17^V ensures good stability with better residual capacities even at greater heights.

Wheels : All wheels (Drive wheel Ø200 / 230 x 85 mm wide, load wheels Ø85 x 75 mm wide tandem, support castors Ø150 x 50 mm wide) are made of polyurethane material as standard. These enable noiseless smooth ride over variety of surfaces and cause less damage to expensive flooring. The tandem load wheel configuration ensures smooth roll over with continuous contact on the floor and enables easy negotiation over small bumps without any jerk.

Tiller Head : Multi function 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 : The tiller control handle configuration enable easy and effortless steering in both stand-on as well as pedestrian mode. 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 : Electro-magnetic 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 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 control head without leaving the driving position.

High Visibility Mast : The truck is fitted with either a three stage mast (PD) with high free lift or two stage mast (PT) as a standard and can provide lift 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 construction is suitable for operations within the containers.

Carriage & Forks : Robust steel fabricated carriage with welded forks ensure durable service. The individual moving components like pulley, chain and bearings are accurately selected, manufactured and fitted for trouble free performance. The bearings in the carriage assembly and the inner masts enable jerk free smooth vertical movements ensuring safe and stable lift of the load. Various options of fork lengths and width over forks are available for different types of pallets. The fork ends are suitably tapered to provide better maneuverability while turning in confined spaces and smooth entry into pallets. Adjustable solid forks are also available as an option.

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.

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 : The equipment comes with 24V / 195Ah traction battery as a standard for lift height up to 5250 mm and 24V / 330Ah traction battery beyond 5250 mm to ensure steady power supply with trouble free battery maintenance.

Charger : 24V / 28Amp (standard) or 24V / 42Amp (for optional 330 Ah battery) microprocessor controlled charger or timer controlled charger can be provided as per customer requirement.

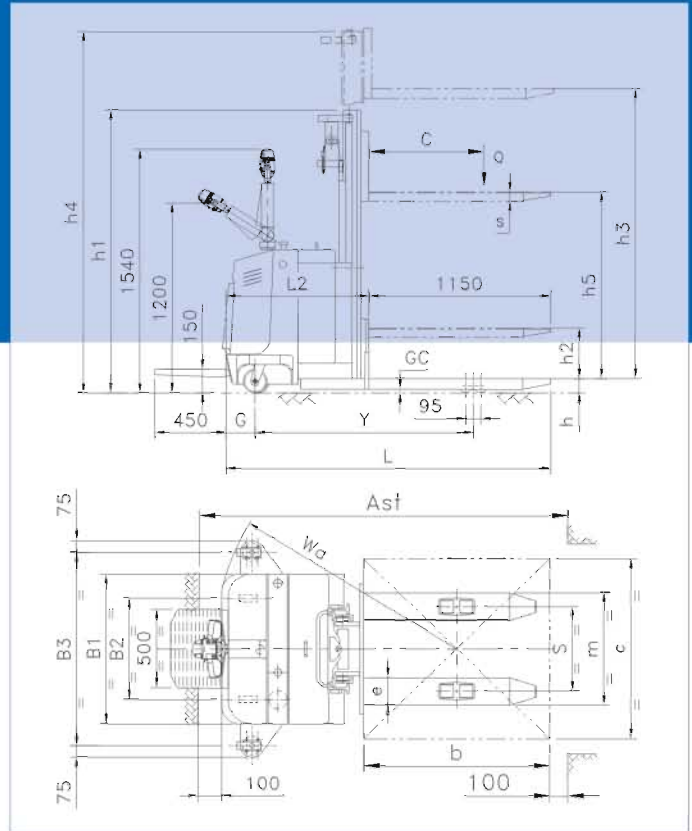
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Performance Data

Capacity	kg	ERC 15 1500	ERC 17 1700	ERC 17 ^V 1700
Travel Speed :				
Without load	km/h	5.5	5.5	5.5
With rated load	km/h	4.7	4.4	4.4
Lifting speed with PT mast :				
Without load	cm/s	13	13	13
With rated load	cm/s	9	8	8
Max. gradient performance :				
Without load	%	16	16	16
With rated load	%	8	7	7
Service weight with PT mast and 195 Ah traction battery	kg	1050	1150	1150

Technical Data

	kg	1500	1700	1700
Q - Capacity	mm	600	600	600
C - Load Center	mm	1300	1350	1350
Y - Wheel base	mm	850	850	850
B1 - Drive unit width	mm	606	606	-
B2 - Drive track	mm	-	1000	-
B1 - Drive unit width above 5250 lift	mm	-	710	-
B2 - Drive track above 5250 lift	mm	-	-	1250
B3 - Drive track	mm	910	910	910
L2 - Length to fork PT mast #	mm	2060	2060	2060
L - Truck length PT mast #	mm	570	680	570
m - Width over forks up to 4200 lift \$	mm	680	680	570
m - Width over forks up to 5250 lift \$	mm	-	750	680
m - Width over forks up to 6000 lift \$	mm	-	-	750
m - Width over forks up to 6300 lift \$	mm	1000	1000	1000
m - Width over forks (Adjustable)*	mm	90	95	95
h - Lower height	mm	65/40	70/50	70/50
s - Fork thickness Fixed / Adjustable*	mm	185	185	185
e - Fixed fork width	mm	100	100	100
e - Adjustable fork width*	mm	1620	1650	1650
Wa - Turning radius during maneuvering	mm	385	495	-
S - Load wheel track (570/680 width over fork)	mm	-	565	565
S - Load wheel track (750 width over fork)	mm	30	25	25
GC - Straddle ground clearance	mm	264	214	264
G - Front overhang				



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

Standard Mast Designs (mm)

2 – Stage Mast (PT) ERC – 15/17/17 ^V				1 – Stage Mast (SX) ERC – 15/17/17 ^V		
h1	h3	h2	h4	h1	h3	h4
1950	2800	100	3350	1300	800	1350
2300	3500	100	4050	1900	1400	1950
2650	4200	100	4750	2000	1500	2050

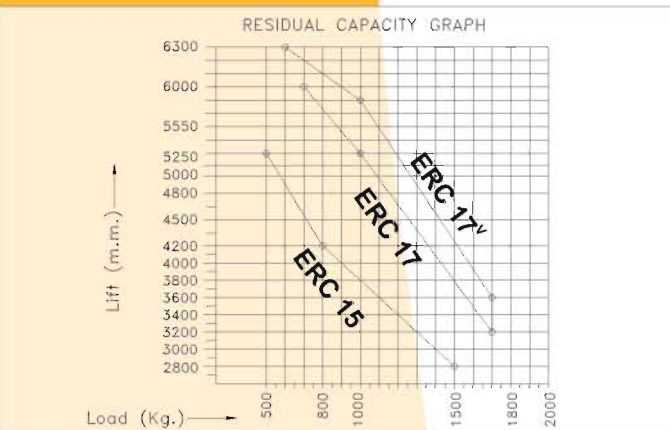
3 – Stage Mast (PD) ERC – 15/17/17 ^V				3 – Stage Mast (PD) ERC – 15/17/17 ^V			
h1	h3	h5	h4	h1	h3	h5	h4
1750	3600	1250	4150	2350	5250	1800	5800
1950	4200	1450	4750	2650	6000	2100	6550
2100	4500	1550	5050	2825	6300	2300	6850

Note :- Non standard lift height may be available on request
 © For ERC 17/17^V only © For ERC 17^V only

Working Aisle Width Ast. (mm)

Pallet size cxb	Position	Ast * Incl. 200 mm safety clearance
1000 x 1200	Lengthways	2550
1200 x 1200	Lengthways	2600

- 1- * - Optional adjustable forks
- 2- \$ - Straddle outer width m – 60 mm
- 3- # - L & L2 for PD mast, add 25 mm
- 4- @ - m = 570 is also available above 5250 lift, in ERC 17^V on request



- The residual capacity shown is for the width over fork specified in technical data.
- With 330Ah battery, residual capacity up to 5250 mm lift height will increase by 75 Kg, but not exceeding the basic capacity.
- The residual capacity beyond 5250 mm lift height is with 330Ah battery.

• For any special requirement, please contact Jost's marketing department. • Dimensions indicated here are subject to variations of ± 20mm and performance within ± 10%. • Right to make changes and technical improvement reserved.

Manufactured Under Licence From **JUNGHEINRICH**, Germany By :

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