

EJC 15/17

Electric Pedestrian Operated Stacker (1500 / 1700 Kg.)



- MOSFET programmable step less speed controller, with diagnostic feature and heavy duty contactors.
- Enhanced safety with dual speed operation (optional).
- High visibility mast for trouble free operation.
- Lift height up-to 6300 mm.

The Josts electric pedestrian stacker, type EJC, has been designed specially for flexible handling of palletised loads for increased performance at great lift heights with high residual capacities as well as long usage times.

Operator Area : The low hinged handle provide ample scope for greater maneuverability. The safety and emergency stop buttons provide maximum safety for the operator. The corner mounted steering tiller head provides good visibility and additional safety to 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 SEPEX drive motor (optional).

Chassis : Robust steel construction and the stable four point contact design permits high residual capacities and enhances stability during turning.

Wheels : All wheels (Drive wheel Ø200 x 85 mm wide, load wheels Ø85 x 75 mm wide tandem support castors Ø180 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 effortless steering. 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 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 without leaving the driving position can operate lifting / lowering push button on control head.

High Visibility Mast : 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.

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 and anti-collision switch on tiller head for enhanced safety. 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

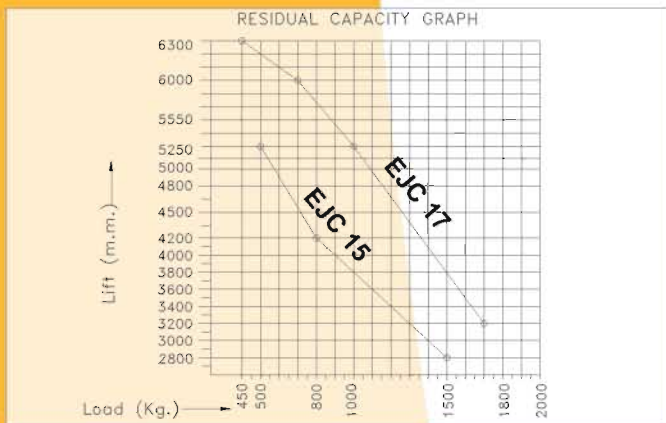
Capacity	kg	1500	1700
Travel Speed :			
Without load	km/h	4.5	4.5
With rated load	km/h	3.0	2.7
Lifting speed with PT mast :			
Without load	cm/s	13	13
With rated load	cm/s	9.0	8.0
Max. gradient performance :			
Without load	%	16	16
With rated load	%	8.0	7.0
Service weight with PT mast and 195 Ah traction battery	kg	1000	1100

Technical Data

Q - Capacity	kg	1500	1700
Y - Wheel base	mm	1340	1340
C - Load Center	mm	600	600
B1 - Overall width	mm	850	850
B2 - Drive Track	mm	635	635
B1 - Overall width above 5250 lift	mm	-	1000
B2 - Drive Track above 5250 lift	mm	-	785
L2 - Length to fork (PT mast) #	mm	910	910
L - Truck length (PT mast) #	mm	2060	2060
m - Width over forks up-to 4200 lift \$	mm	570	680
m - Width over forks up-to 5250 lift \$	mm	680	680
m - Width over forks up to 6000 lift \$	mm	-	750
m - Width over forks up to 6300 lift \$	mm	-	750
m - Width over forks (Adjustable)*	mm	1000	1000
h - Lower height	mm	90	95
s - Fork thickness Fixed / Adjustable*	mm	65 / 40	70 / 50
e - Fixed fork width	mm	185	185
e - Adjustable fork width*	mm	100	100
Wa - Turning radius during maneuvering	mm	1600	1600
I - Standard fork length	mm	1150	1150
S - Load wheel track (570 / 680 width over fork)	mm	385	495
S - Load wheel track (750 width over fork)	mm	-	565
GC - Straddle ground clearance	mm	30	25

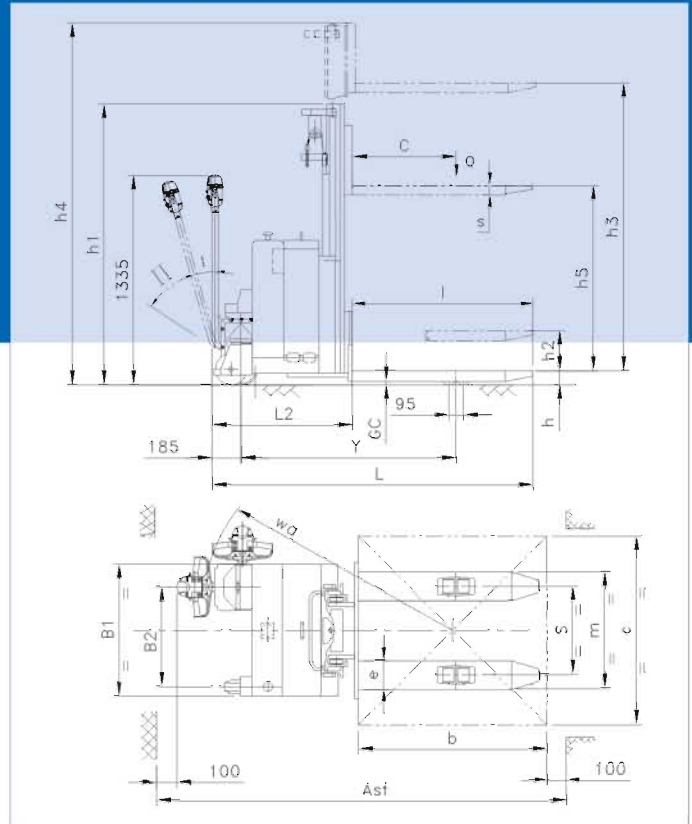
1- * - Optional adjustable forks, 3- # - L & L2 for PD mast, add 25 mm

2- \$ - Straddle outer width m - 60 mm



- 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.



- 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) EJC - 15/17				1 - Stage Mast (SX) EJC - 15/17		
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) EJC - 15/17				3 - Stage Mast (PD) EJC - 15/17			
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 : 1- Non standard lift height may be available on request.
2- @ : For EJC 17 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

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

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