



EJC 15/17

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

- MOSFET Programmable Step-less speed controller
- Fully-integrated AC Traction system
- Superior Mast design affords better visibility
- Industry leading performance
- Ergonomically designed for enhanced productivity, safety & serviceability

The Jost's 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. Jost's Stackers with AC technology provides additional advantage of reduced maintenance, improved power utilisation and improved battery life.



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 excellent visibility and additional safety to 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 four point contact design permits high residual capacities and enhances stability during turning. 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 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. 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 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 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 Pedestrian Operated Stacker (1500/1700 Kg.)

Performance Data

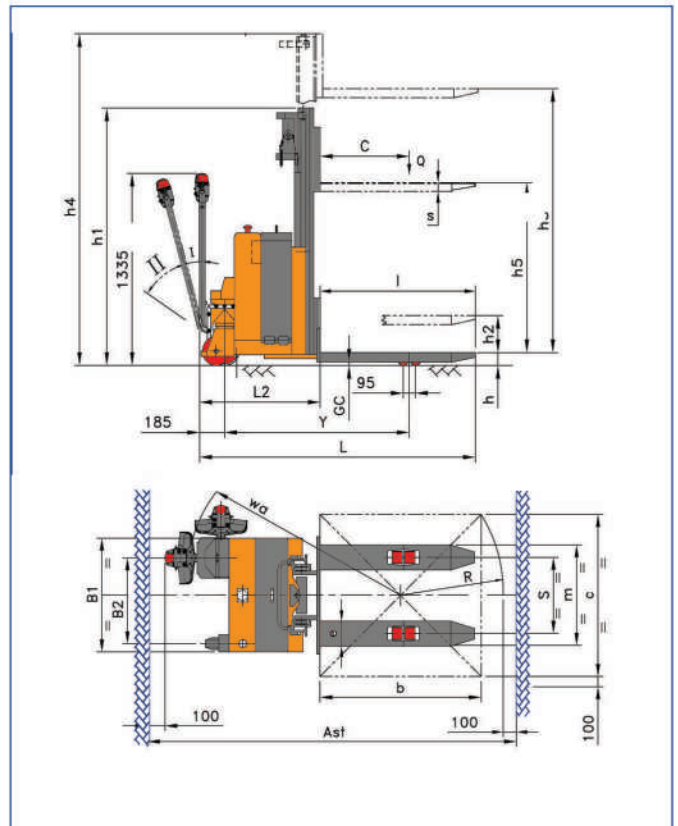
Model	nos.		EJC 15	EJC 17
	Drive type	Type		AC
Operator	Type		Pedestria	Pedestrian
Capacity	Q=Kg		1500	1700
Load center for rated capacity	c=mm		600	600
Wheelbase	Y=mm		1340	1340
Battery weight (apx.)	Kg.		210	210
Service weight with 2800 PT mast and 195 Ah traction battery (apx.)	Kg.		1000	1100
Wheels	Type	Polyurethane		Polyurethane
	Load wheel	mm		Ø85 x 75W
Side support wheel	mm		Ø180 x 50W	Ø180 x 50W
Drive wheel below	mm		Ø200 x 85W	Ø200 x 85W
Wheels, number front / rear (x = driven wheels)	nos.		1x+1/4	1x+1/4
Drive track below 5250 lift	B2=mm		635	635
Drive track above 5250 lift	B2=mm		-	785
Lower height	h=mm		90	95
Length to face of forks with PT & PD mast	L2=mm		890	890
Truck length (PT & PD mast)	L=mm		2040	2040
Width over forks up - to 4200 lift	m=mm		570/680/750	570/680/750
Width over forks up - to 4500 lift	m=mm		570/680/750	570/680/750
Width over forks up - to 5250 lift	m=mm		570/680/750	680 / 750©
Width over forks up - to 6000 lift	m=mm		-	680 / 750©
Width over forks (adjustable)*	m=mm		980	980
Overall width	B1=mm		850	850
Overall width above 5250 lift	B1=mm		-	1000
Fixed fork dimensions	s/e/l=mm		65/185/1150	65/185/1150
Adjustable fork dimensions*	s/e/l=mm		40/100/1150	40/100/1150
Ground clearance, center of wheel base (unladen)	GC=mm		30	25
Load wheel track (570 / 680 / 750 width over fork)	S=mm		386 / 496 / 566	
Turning radius (850 overall width)	Wa=mm		1600	1600
Turning radius (1000 overall width)	Wa=mm		-	1630
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
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 = 5 min., S3 = 9%	kW		3	3

(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 EJC 17 with 1000 mm body only.

Residual Capacity Chart

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

- 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 – 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	-	-	-	-

Note : 1 - : Non standard lift height may be available on request. For lift requirements above 6000 mm, pls. refer HO.
 2- @ : For EJC 17 only.

Working Aisle Width Ast. (mm) Incl. 200 mm Safety Clearance

Pallet Size cxb	Position	Working aisle width
800 x 1200	Lengthways (Only 570 WOF)	2500
800 x 1200	Crossways (570WOF)	2380
800 x 1200	Crossways (680WOF)	2410
800 x 1200	Crossways (750WOF)	2425
1000 x 1200	Lengthways	2560
1000 x 1200	Crossways (570WOF)	2380
1000 x 1200	Crossways (680WOF)	2410
1000 x 1200	Crossways (750WOF)	2425
1200 x 1200	Lengthways	2625

Note: 90° stacking aisle width.

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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