



## EJC 15/17

(AC Drive)

Electric Pedestrian Stacker

(Capacity 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

Jost's Electric Pedestrian Stacker, EJC flexibly handle the palletised loads for increased performance at great lift heights with high residual capacities and long usage times. Jost's Stackers with AC technology provides advantage of reduced maintenance, improved power utilisation and improved battery life.



### OPERATOR AREA:

Low hinged handle provides ample scope for greater maneuverability. Safety and emergency stop buttons provide maximum safety for the operator. 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. 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. Battery holding compartment in the chassis is provided with suitable roller bed for easy removal of the battery



### WHEELS

Polyurethane wheels configuration enables noiseless smooth ride over variety of surfaces. 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 tips provide highest operator comfort and safety. It has ergonomically arranged operating elements for traveling, lifting, lowering and horn at finger. It has belly button that provides additional safety in case of emergencies. Steering lock at 90° on either side. Steering 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 and asbestos free liner provides quick braking. When the handle is close to vertical or horizontal position, brake becomes operational with simultaneous power cut-off.



### HYDRAULICS

Compact power pack unit with high pressure pump is driven by 3Kw sturdy compound wound motor. Motor forms the heart of hydraulic system which enables smooth and efficient lifting and lowering operations to various stacking heights. During stacking and retrieval operations, the operator can operate lifting and lowering push button on the tiller head without leaving the driving position.



### MAST, CARRIAGE & FORKS:

Robust steel fabricated mast and carriage with welded forks ensure durable service. Individual moving components are accurately selected, manufactured and fitted for trouble free performance. Equipment is fitted with either three stage mast (PD) with high free lift or with 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. 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

Equipment has lowering brake valve for gradual lowering. It automatic lift cut off at 80% battery discharge condition. It has anti-collision switch on tiller head for enhanced safety. Hydraulic circuit has safety features similar to hose burst valve, pressure relief valves and non-return valves. Controller can also be set for dual travel speed limit (optional) for creep speed setting while stacking and retrieving with the raised load



### SERVICING

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 (Capacity 1500/1700 Kg.)

### Performance Data

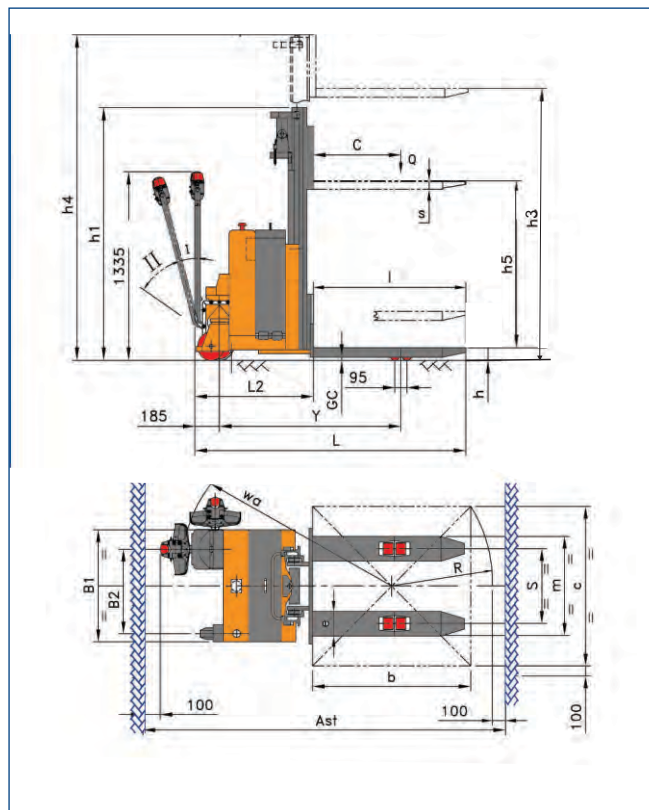
Identification	Model	Nos	EJC 15	EJC 17
Drive type	Type	Type	Type	AC
Operator	Type	Pedestria	Pedestria	Pedestria
Capacity	Q = Kg	1500	1500	1700
Load center for rated capacity	C = mm	600	600	600
Wheelbase	Y = mm	1340	1340	1340
Weight	Battery weight (apx.)	Kg	210	210
Service weight with 2800 PT mast and 195 Ah traction battery (apx.)	Kg	1000	1100	
Wheels / Chassis	Wheels	Type	Polyurethane	Polyurethane
Load wheel	mm	Ø85 x 75W	Ø85 x 75W	Ø85 x 75W
Side support wheel	mm	Ø180 x 50W	Ø180 x 50W	Ø180 x 50W
Drive wheel below	mm	Ø200 x 85W	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	
Basic Dimensions	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		
Power	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.



- h1 – Closed mast height
- 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	h4	h1	h3	h4
1950	2800	3350	1300	800	1350
2300	3500	4050	1900	1400	1950
2650	4200	4750	2000	1500	2050

Residual Capacity Chart									
Model	EJC15			EJC17			EJC17		
Code	1	2	3	4	5	6	7	8	9
Width Over Forks (Fixed Forks)	570	680	750	570	680	750	570	680	750
Straddle Inner Width (Adjustable fork)	260	370	440	260	370	440	260	370	440
Fork Length	1150	1150	1150	1150	1150	1150	1150	1150	1150
Body (Width)	850	850	850	850	850	850	1000	1000	1000
2800	1500	1500	1500	1700	1700	1700	1700	1700	1700
3600	1100	1350	1400	1150	1400	1700	1200	1450	1700
4200	800	950	1150	850	1000	1200	1050	1250	1400
4500	500	750	950	600	800	1000	850	1050	1200
5250	300	350	400	350	400	450	600	750	1000
5500	0	0	0	0	0	0	400	650	850
6000	0	0	0	0	0	0	0	350	450
6300	0	0	0	0	0	0	0	0	0

• For requirements above 6000mm, pls. refer HO

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

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.

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