ELECTRIC PALLET STACKER

Electric Pallet Stackers are versatile pieces of equipment used in warehouses, factories, and distribution centers to lift, move, and stack pallets. They offer significant advantages over manual handling, especially when dealing with heavy loads or repetitive tasks.

Common Uses:

- **Warehouse Operations:** Loading and unloading trucks, stacking and retrieving pallets from racks, and moving goods within the warehouse.
- **Manufacturing Facilities:** Transporting materials and finished products between workstations.
- **Distribution Centers:** Preparing orders for shipment and loading pallets onto delivery vehicles.
- **Retail Stores:** Receiving and stocking inventory.

FEATURES

Proportional Lifting & Lowering

- ✓ The variable speed control ensures the stacker goes up and down smoothly, minimizing the mechanical shock and vibration, ensuring fragile loads are gently placed on racking or the floor and reducing the impact of noise and vibration on operators.

Lowering Buffering

- ✓ Automatic lowering speed descent with soft buffering when the fork height is lowered to around 10cm from the ground, effectively protects the safety of the cargo, low noise and small vibration.

High Efficiency

- ✓ The variable speed control brings accurate response for adjusting the lifting and lowering speed according to the actual situation so the operator can easily complete the task and improve the working efficiency.

Energy Saving

- ✓ Compared to the traditional fixed lifting and lowering speed, variable speed can be adjusted according to the load and height by operator, reducing energy waste and improving energy utilization rate.

Longer Service Life

- ✓ Variable speed control can reduce the mechanical impact and friction during lifting & lowering, reduce the wear and tear on the chassis, mast, bearings and enable a longer service life.

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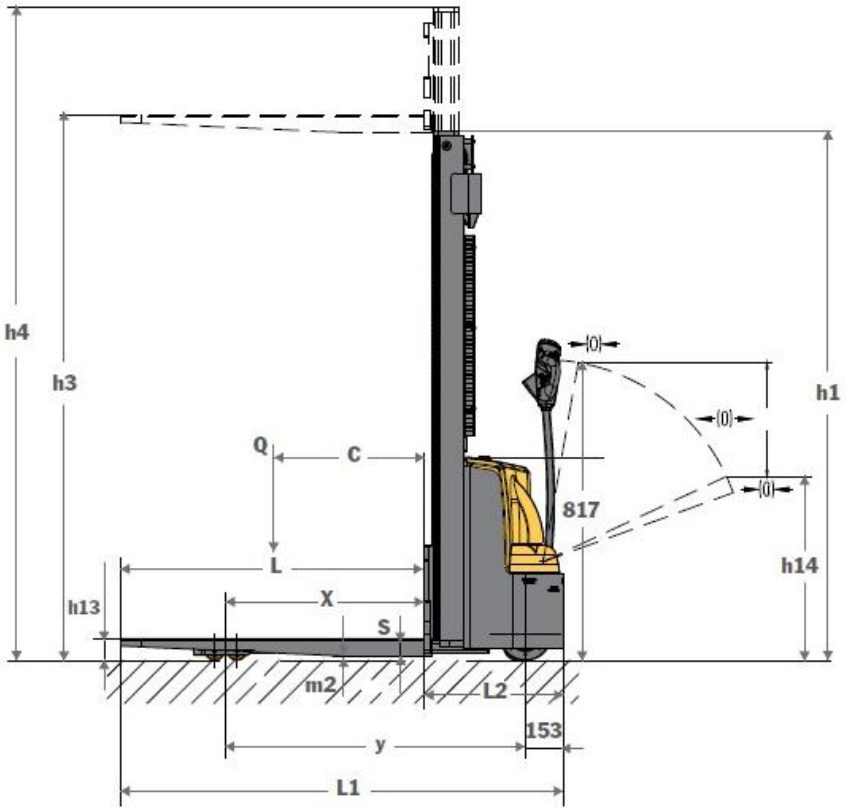
STANDARD TECHNICAL DATA

Distinguishing Marks	1.1	Product Code	LEPS		1520	1525	1530	1533	1535
	1.2	Drive			Battery Powered				
	1.3	Operator Type			Pedestrians				
	1.4	Load Capacity/ Rated Load	Q	kg	1500				
	1.5	Load Centre Distance	c	mm	600				
	1.6	Load Distance, Centre of drive axle to fork	x	mm	796				
	1.7	Wheelbase	y	mm	1204				
Weight	2.1	Service Weight (without battery)		kg	496.4	513.6	523.6	541.6	545.6
	2.2	Service Weight (with battery)		kg	543	560	570	588	592
		Service Weight (with battery)		kg	548	565	575	593	597
	2.3	Axle Loading, Laden Front/Rear		kg	603/ 1409				
	2.4	Axle Loading, Unladen Front/Rear		kg	384/ 129				
Wheels/ Chassis	3.1	Wheels			Polyethylene				
	3.2	Wheel Size, Front	Ø x width	mm	Φ 210x70				
	3.3	Wheel Size, Rear	Ø x width	mm	Φ 80x70				
	3.4	Additional Wheels (Dimensions)	Ø x width	mm	Φ 115x55				
	3.5	Wheels, Number Front/Rear (x = Driven Wheels)			1x + 1/4				
	3.6	Tread, Front	b10	mm	550				
	3.7	Tread, Rear	b11	mm	390(560)/ 525(680)				
Dimensions	4.1	Lowered Mast Height	h1	mm	1480	1730	1980	2130	2230
	4.2	Lift Height	h3	mm	2000	2500	3000	3300	3500
	4.3	Extended Mast Height	h4	mm	2435	2935	3435	3735	3935
	4.4	Height of tiller in driving position, Min/Max	h14	mm	692/1255				
	4.5	Height, Lowered	h13	mm	90				
	4.6	Overall Length	l1	mm	1710				
	4.7	Length to face of forks	l2	mm	561.5				
	4.8	Overall Width	b1	mm	820				
	4.9	Fork Dimensions	s/e/l	mm	70x160x1150				
	4.10	Width over Forks	b5	b5 (mm)	560				
	4.11	Ground Clearance, Centre of Wheelbase	m2	m2 (mm)	30				
	4.12	Aisle Width for Pallets 1000 × 1200 Crossways	Ast	Ast (mm)	1997				
	4.13	Aisle Width for Pallets 800 × 1200 Lengthways	Ast	Ast (mm)	1952				
	4.14	Turning Radius	Wa	Wa (mm)	1490				
Performance Data	5.1	Travel Speed, with/without load		km/h	4/4.5				
	5.2	Lift Speed, with/without load		m/s	0-85 / 0-130				
	5.3	Lowering Speed, with/without load		m/s	27.8-137 / 22.5-167				
	5.4	Maximum Gradeability, with/without load		%	5/15				
	5.5	Service Brake			Electromagnetic				
Electric-Engine	6.1	Drive Motor Rating S2 60 min		kW	0.75				
	6.2	Lift Motor Rating at S3 15%		kW	2.2				
	6.3	Battery Voltage/Nominal Capacity **K5**		V/Ah	●12/71x2 ■ 12/89 x 2				
	6.4	Battery Weight +/- 5%		kg	●23.2 x 2(71Ah) ■ 25.8 x 2 (89Ah)				
	6.5	Energy Consumption according to EN 16796		kWh	0.45				
Other	7.1	Type of Drive Control			DC speed control				
Data	8.1	Sound level at the driver's ear according to EN 12053		dB(A)	<75				


h4
h3
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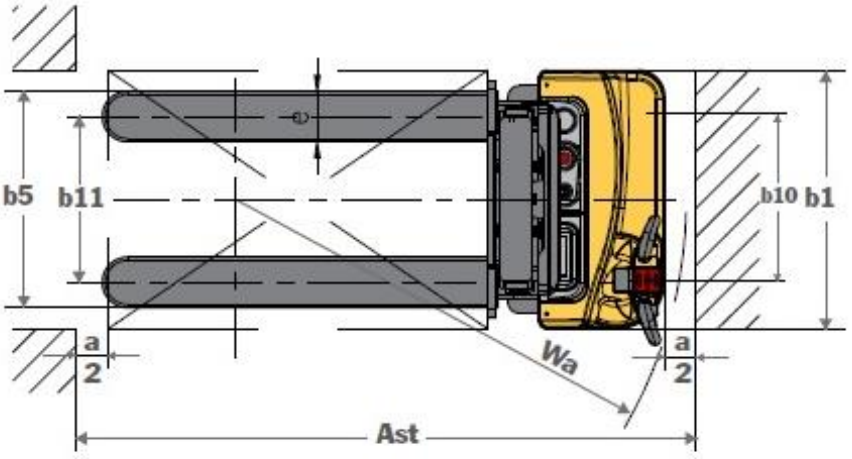
b5
b11
b10
b1
a
2
Wa
a
2
Ast