

CE

WSA161 Li-ion pedestrian stacker 1.6T

- Fast lifting and lowering speeds to maximize efficiency
- Proportional lifting system for utmost precision
- Compact design offering maneuverability
- Lithium technology with integrated charger





Sector Feature

Fast lifting and lowering speeds to maximize efficiency

Compared to the ES-WA series, the WSA161 doubles up the lifting and lowering speeds. This contributes to fast stacking and maximized turnover efficiency in warehouses.

Proportional lifting system for utmost precision

The WSA161 comes with the proportional lifting system as standard and enables the operator to stack and retrieve pallets more precisely and gently in multi-level racking.

Compact design offering maneuverability

The WSA161 demonstrates a compact design with 85mm reduction in mast thickness than the ES-WA series and naturally brings a smaller turning radius 1507mm. This makes it particularly suitable for moving loads in narrow spaces.

Lithium technology with integrated charger

The WSA161 is fully designed around the advantages of lithium technology, with 24V/100Ah Li-ion battery and an integrated charger, which allows for flexible and rapid charging and zero maintenance. 24V/205Ah Li-ion battery is optionally available for long operating period.





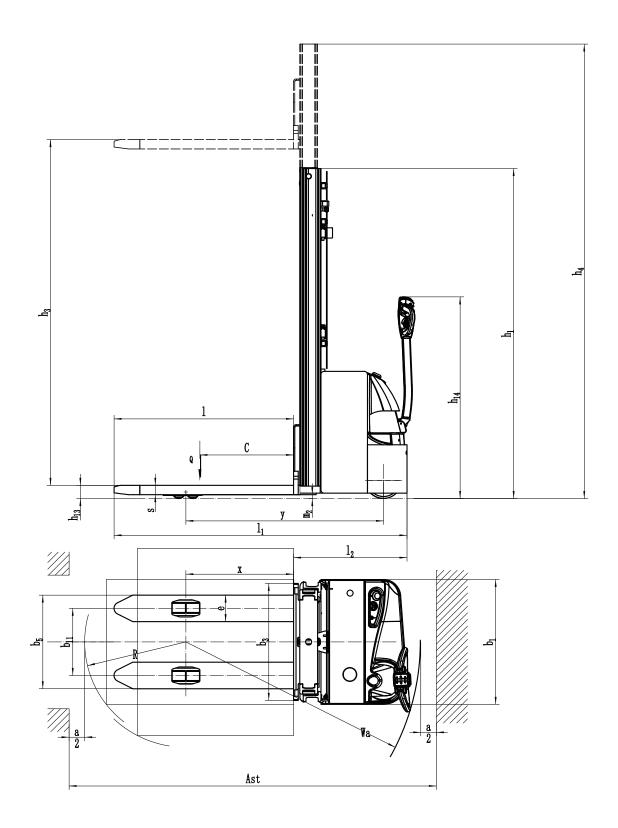




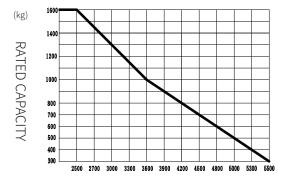
Li-ion pedestrian stacker 1.6T WSA161

	1.1	Manufacturer			EP
ark	1.2	Model designation			WSA161
g m	1.3	Drive			Electric
Distinguishing mark	1.4	Operator type			Pedestrian
ngui	1.5	Load capacity	Q	kg	1600
Disti	1.6	Load center distance	С	mm	600
	1.8	Load distance, centre of drive axle to fork	x	mm	690
	1.9	Wheelbase	У	mm	1272
<u>5</u> 8	2.1	Service weight		kg	725
Service weight	2.2	Axle loading, laden front/rear		kg	
	2.3	Axle loading, unladen front/rear		kg	
	3.1	Tyre type			Polyurethane
Ś	3.2.1	Tyre size, front		mm	Ф230×75
Tyres/chassis	3.3.1	Tyre size, rear		mm	Φ85×70
s/ch	3.4	Additional wheels (castor wheels)		mm	Ф130×55
Tyre	3.5	Wheels, number front/rear (x=drive wheels)		mm	1x +1/4
	3.6.1	Tread width, front	b10	mm	538
	3.7.1	Tread width, rear	b11	mm	406
	4.0	Max. Lift Height	н	mm	3000
	4.2	Retracted mast height	h1	mm	1970
	4.3	Free lift	h2	mm	
	4.4	Lift height	h3	mm	2915
	4.5	Height, mast extended	h4	mm	3425
	4.6	Initial lift	h5	mm	
	4.9	Height of tiller handle in drive position min./max.	h14	mm	715/1200
	4.10	Height of wheel arms	h8	mm	
	4.15	Lowered height	h13	mm	85
suo	4.19	Overall length	11	mm	1881
Dimensions	4.20	Length to face of forks	12	mm	731
Dim	4.21	Overall width	b1/b2	mm	800
	4.22	Fork dimensions	s/e/l	mm	60×170×1150
	4.24	Fork carriage width	b3	mm	750
	4.25	Distance between fork-arms	b5	mm	570
	4.26	Distance between wheel arms/loading surfaces	b4	mm	
	4.31	Ground clearance, laden, below mast	m1	mm	
	4.32	Ground clearance, center of wheelbase	m2	mm	25
	4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	2383
	4.34.2	Aisle width for pallets 800×1200 lengthways	Ast	mm	2355
	4.35	Turning radius	Wa	mm	1507
멸	5.1	Travel speed, laden/unladen		km/h	5/5.5
Performance data	5.2	Lifting speed, laden/unladen		m/s	0.15/0.26
anc	5.3	Lowering speed, laden/unladen		m/s	0.4/0.3
form	5.8	Max. gradeability, laden/unladen		%	8/16
Per	5.10	Service brake			Electromagnetic
	6.1	Drive motor rating S2 60 min		kW	1.6
engi	6.2	Lift motor rating at S3 15%		kW	4.5
Ele ctric-engine	6.4	Battery voltage/nominal capacity		V/Ah	24V/100AH
Elect	6.5	Battery weight		kg	40
	8.1	Type of drive control		Ũ	AC
c		••			
Addition data	10.5	Steering design			Electronic

If there are improvements of technical parameters or configurations, no further notice will be given. The diagram shown may contain non-standard configurations.



RATED CAPACITIES GRAPH



LIFTING HEIGHT (mm)

Mast Option

Mast types	Lift height h3+h13 (mm)	Height, mast lowered h1 (mm)	Free lift h2 (mm)	Height, mast extended h4 (mm)
	2500	1720		2935
	2700	1820		3135
2-Stage Single	3000	1970		3435
Cylinder Mast	3300	2120		3735
	3600	2270		4035
	3900	2420		4335
	4000	1820	1430	4445
	4500	2020	1630	4945
3-Free Mast	4800	2115	1730	5245
	5000	2185	1800	5445
	5500	2385	2000	5945

Option

No.	Optional items	WSA161				
1.1	Fork dimension	●1150*570 1150*685 1220*570 1220*685				
1.3	Fork lowered height	•≤90				
1.4	Fork carriage width	•750				
1.5	backrest height	•388				
2.1	Load wheel type	Double				
2.2	Load wheel material	●PU				
2.3	Drive wheel material	●PU				
2.7	Battery capacity	●100Ah Li-ion○205AH Li-ion ○210AH Lead-acid○240AH Lead-acid○270AH Lead-acid				
2.8	Charger	●24V-30A internal (100AH Li-ion) ○24V-100A external (205AH Li-ion) ○24V-30A external (Lead-acid)				
2.9	Battery indicator	•With time(bluetooth)				
2.16	handle head type	• Proportional lifting switch on both sides, with turtle speed				
3.3	Castor wheels	•Yes				
3.4	Water auto-filling system	●No○Yes and not customized (only for Lead-acid battery)				
3.7	Warning lamp	●No○Yes and not customized				
3.11	Rearview mirror	●No○Yes and not customized				
3.12	Hummer	●No○Yes and not customized				
3.16	Vertical handler working	•Yes				
4.5	Proportional lift system	•Yes				
Note: •Sta	Note: •Standard · Optional - Inconformity					



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