

VISION CREATES FUTURE



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The product specifications provided in this document are current as of August 2026.



ELECTRIC STACKER

ELECTRIC STACKER
ZOOMLION MATERIAL HANDLING



PS15SR/PS15RR/PS20HR/PS20HR^(6.5m)

ZOOMLION | Stand-on Electric Pallet Truck

Rated Load Capacity
1.5-2.0 T

PRODUCT HIGHLIGHTS

Zoomlion electric pallet stacker is specifically designed for warehouse logistics, focusing on safety and efficiency in applications such as factory workshops and storage facilities. Featuring a matte wear-resistant paint finish, it resists scratches and oil stains. Optimized ergonomic layout reduces fatigue and supports high-intensity operations. The AC motor is maintenance-free, and the side-pull battery allows for quick and convenient replacement. With a low center of gravity and full free-lift capability, it achieves 3-meter stacking within a 2-meter height limit. Patented mast outriggers ensure stable lifting up to 6.5 meters, while 7 integrated intelligent safety features enhance protection. CAN bus technology and Hall sensors improve reliability. Waterproof and dustproof design, quiet operation (70 dB), small turning radius, and modular construction make maintenance simple and operation efficient.



Precise Control

- Equipped with stepless speed control, automatic deceleration, and creep speed limiting, combined with multi-directional handle control for smooth and responsive operation. With a minimum turning radius of only 1655 mm and a required aisle width as low as 2550 mm, coupled with a laden travel speed of 7 km/h, it ensures flexible operation in narrow aisles and dense racking areas.

Multi-level Safety

- Integrated safety features include emergency power cut-off, emergency reverse, overload relief valve, and electromagnetic braking. A built-in unloading valve prevents overloading, while the service brake delivers fast and reliable stopping, providing comprehensive protection for precise and safe operation.



Stable and Comfortable

- Low center of gravity design enhances overall stability. Shock-absorbing measures reduce noise levels to ≤ 70 dB, creating a quiet working environment. Ergonomically optimized handle layout reduces operator fatigue for greater comfort during prolonged operation.

Easy Maintenance

- AC motor is brushless and maintenance-free. Vertical drive wheel is easy to remove and replace. The side-pull battery design enables quick swapping and servicing. The CAN bus system simplifies wiring and enables efficient fault diagnosis, saving time and effort on maintenance.

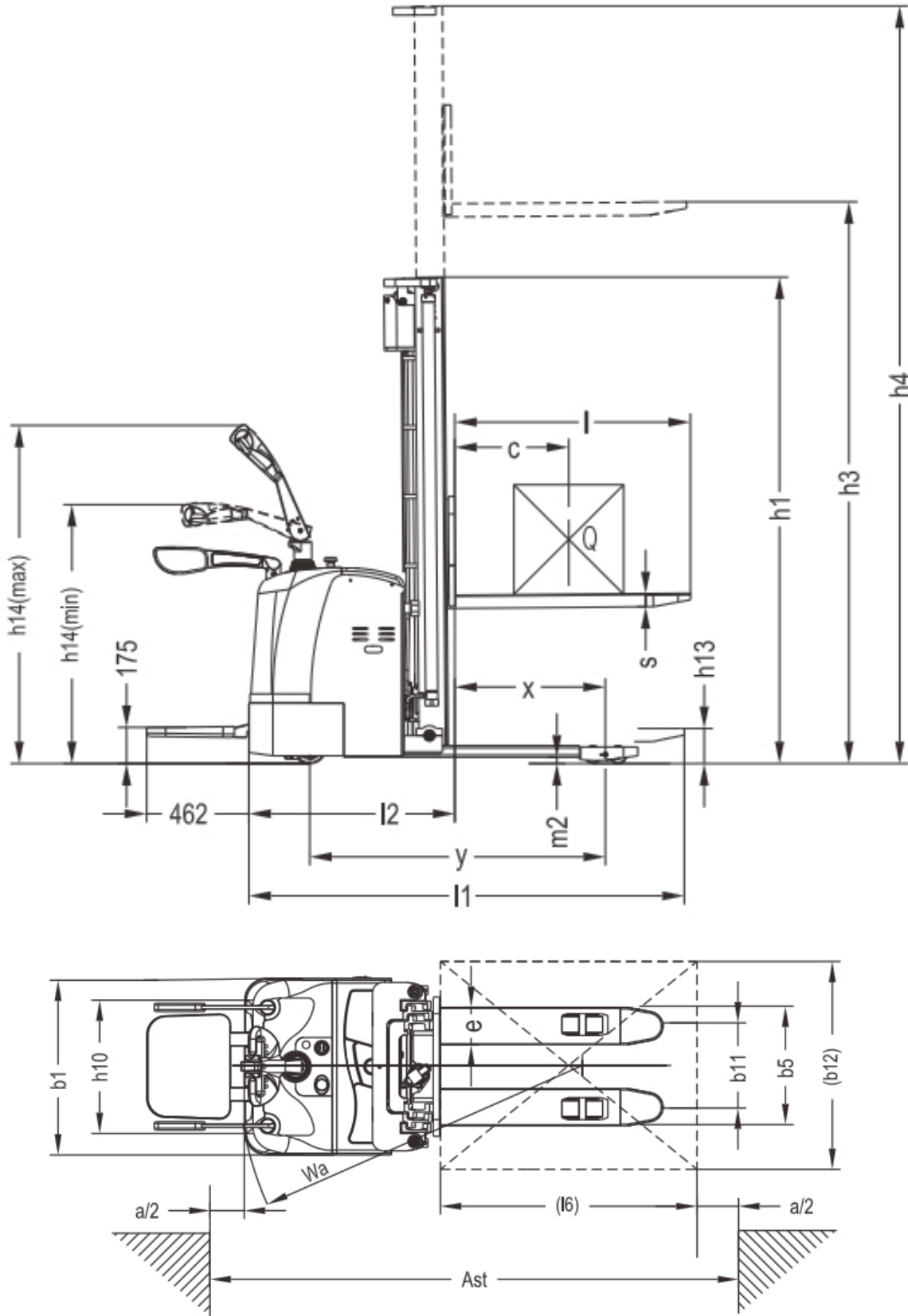
SPECIFICATIONS

ZOOMLION

Parameter		Unit	PS15SR	PS15RR	PS20HR	PS20HR(6.5m)
Identification	Power type	-	Electric	Electric	Electric	Electric
	Operation type	-	Stand-on	Stand-on	Stand-on	Stand-on
	Rated load capacity	Q (t)	1500	1500	2000	2000
	Load center distance	c (mm)	600	600	600	600
Weight	Service weight (including battery)	kg	760	1140	1280	1850
	Tires	-	Polyurethane	Polyurethane	Polyurethane	Polyurethane
Wheels	Drive wheel size (diameter × width)	mm	Φ 250×70	Φ 250×70	Φ 250x80	Φ 250x80
	Load wheel size (diameter × width)	mm	Φ 80×48	Φ 80×48	Φ 80x84	Φ 80x84
	Balance wheel size (diameter × width)	mm	Φ 150×60	Φ 150×60	Φ 150x60	Φ 150x60
	Number of drive wheels / balance wheels / load wheels (x = drive wheel)	mm	1x,2/4	1x+2/4	1x+1/4	1x+1/4
Dimensions	Mast lowered height	h1(mm)	1837	1735	1735	2710
	Free lift height	h2(mm)	0	1300	1300	2240
	Lifting height	h3(mm)	2500	2500	2500	6500
	Mast maximum height during operation	h4(mm)	3087	2955	2955	7050
	Handle height (min/max)	h14(mm)	1150/1450	1150/1450	1150/1450	1150/1450
	Lowered height	h13(mm)	90	90	90	90
	Overall length	l1(mm)	2025	2020	2020	2100
	Length to fork face	l2(mm)	920	950	950	950
	Body width	b1(mm)	850	850	850	900
	Fork size	s/ e/ l(mm)	60/180/1070	60/180/1070	60/180/1150	60/180/1150
	Fork outside width	b5(mm)	570	570	570	570
	Ground clearance at wheelbase center	m2(mm)	26	31	31	31
	Minimum right-angle aisle width (pallet 1000×1200, 1000 along fork direction)	Ast(mm)	2550	2535	2535	2615
	Minimum right-angle aisle width (pallet 800×1200, 1200 along fork direction)	Ast(mm)	2520	2515	2515	2595
	Turning radius	Wa(mm)	1655	1655	1655	1735
Performance	Travel speed, laden/unladen	km/h	7/7.1	7/7.1	7/7.1	7/7.1
	Lifting speed, laden/unladen	m/ s	0.09/0.16	0-0.16/0-0.24	0.11/0.16	0.11/0.16
	Lowering speed, laden/unladen	m/ s	0.15/0.16	0-0.39/0-0.26	0.12/0.11	0.12/0.11
	Gradeability, laden/unladen	%	6/15	8/15	6/15	6/15
	Brake type	-	Electromagnetic	Electromagnetic	Electromagnetic	Electromagnetic
	Battery voltage / rated capacity	V/Ah	24/150	24/230	24/300	24/300
Battery size (L × W × H)		mm	800×254×320	675×248×545	260	260

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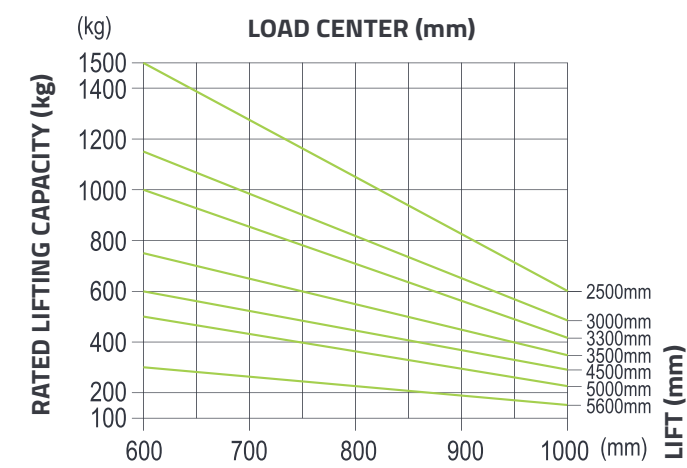
Dimensional drawing



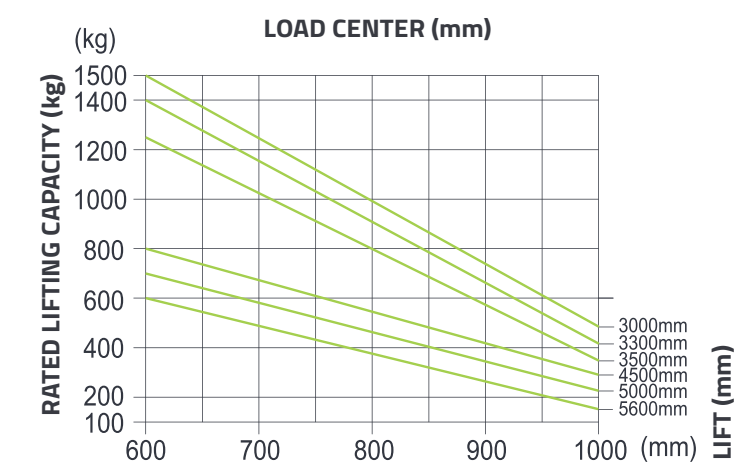
SPECIFICATIONS

Load chart

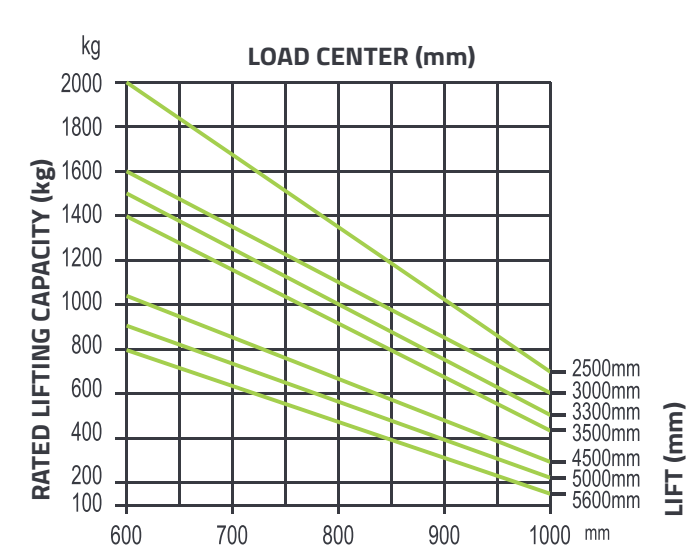
PS15SR



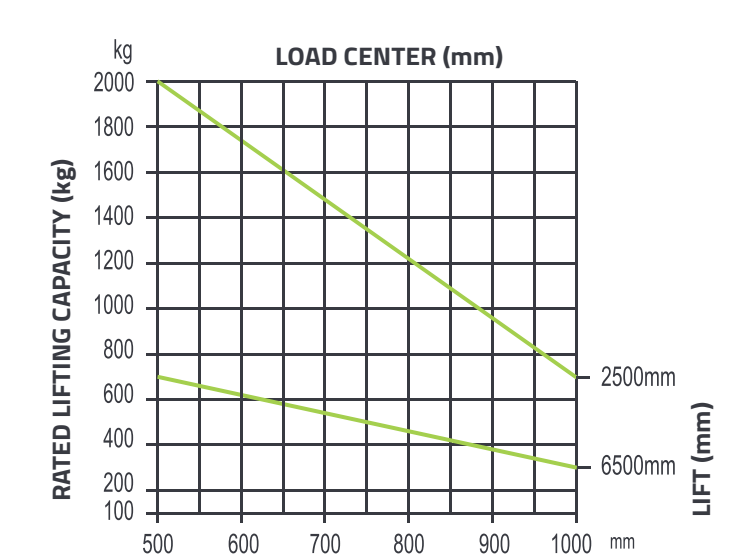
PS15RR



PS20HR



PS20HR(6.5m)



MAST DATA SHEET

ZOOMLION

Mast data sheet					
Model	Mast type	Lifting height (h3)	Mast height		Service weight
			Mast lowered height (h1)	Mast maximum height during operation (h4)	
PS15SR	Duplex mast	mm	mm	mm	kg
		1600	2087	2087	760
		2500	1837	3087	810
		3000	2087	3587	835
	Triplex mast	3300	2237	3887	860
		4500	1570	5030	1200
		5000	1740	5510	1230
		5600	1940	6110	1265
PS15RR	Duplex mast	3000	1985	3455	1140
		3300	2135	3755	1190
	Triplex mast	3500	2235	3955	1200
		4500	2050	5030	1290
		5000	2210	5510	1370
		5600	2410	6110	1400
PS20HR	Duplex mast	3000	1985	3455	3000
		3300	2135	3755	3300
	Triplex mast	3500	2235	3955	3500
		4500	2050	5030	4500
		5000	2210	5510	5000
		5600	2410	6110	5600

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FEATURES

Feature		PS15SR	PS15RR	PS20HR
Standard	Mast type	Duplex mast	Duplex mast	Duplex mast
	Standard / Cold storage	Standard	Standard	Standard
	Lifting height	3000	3000	3000
	Fork outside width	570	570	570
	Fork length	1070	1070	1070
	Steering type	Mechanical steering	Mechanical steering	Electric steering
	Drive wheel	PU Φ 250X70	PU Φ 250X70	PU Φ 250X80
	Side-pull battery	Yes	Yes	Yes
	Steering controller	No	No	No
	Drive controller	Curtis F2-A	Curtis F2-A	/
	Battery model	24V/150AH lithium (without heating film)	24V/230AH lithium (without heating film)	24/300 lead acid
	Charger	External, 24V 50A, single-phase, 220V, European-type plug	External, 24V50A, single-phase, 220V, European-type plug	External, 24V50A, single-phase, 220V, European-type plug
Optional	Mast type	Triplex mast	Triplex mast	Triplex mast
	Standard / Cold storage	Cold storage	Cold storage	Cold storage
	Fork outside width	695	695	695
	Fork length	1150/1220	1150/1220	1220/1800
	Steering type	Electric steering	Electric steering	/
	Drive wheel	PU Φ 250X80 (electric steering only)	PU Φ 250X80 (electric steering only)	/
	Steering controller	Curtis 1220C (electric steering only)	Curtis 1220C (electric steering only)	/
	Battery model	24V/230AH lithium with heating film	○24/300AH lead acid (electric steering only) ○24V/230AH lithium with heating film	/
	Charger	24V100A / 110V/Asian-type plug, etc.	External, 24V100A , single-phase, 110V, European-type plug	/
	Other	Keypad lock / fingerprint lock / proportional valve	Keypad lock / fingerprint lock / proportional valve	Keypad lock / fingerprint lock / proportional valve / side-pull battery / blue light / red light / buzzer / warning light



PS15SW

ZOOMLION | Walkie Electric Pallet Truck

Rated Load Capacity
1.5 T

PRODUCT HIGHLIGHTS

Zoomlion PS15SW pallet stacker features a side-standing design with a compact body and agile turning, making it ideal for confined spaces. Equipped with a reinforced mast and German waterproof switches, it is robust and durable enough to withstand harsh working conditions. The integrated handle enhances operator comfort, while the maintenance-free battery with quick-swap design supports high-intensity continuous operation, making it an ideal choice for heavy-duty material handling.



Convenient Control

- Side-standing drive layout with small turning radius and excellent visibility, suitable for narrow aisle operations. The handle integrates key switch, battery gauge, lift/lower control, and creep speed switch, centralizing functions for simple and intuitive operation. Permanent magnet drive motor offers low energy loss and efficient response.

Safe and Reliable

- Reinforced mast ribs enhance stability under heavy loads. High-density wire mesh guard provides robust protection. German imported waterproof micro-switches ensure reliable performance in harsh environments. External charger design ensures good heat dissipation and vibration resistance.



Operator Comfort

- Extended ergonomic handle for walkie operation ensures comfortable grip. The handle is equipped with a gas spring that allows slow and automatic return when released, reducing operator fatigue and ensuring long-term durability.

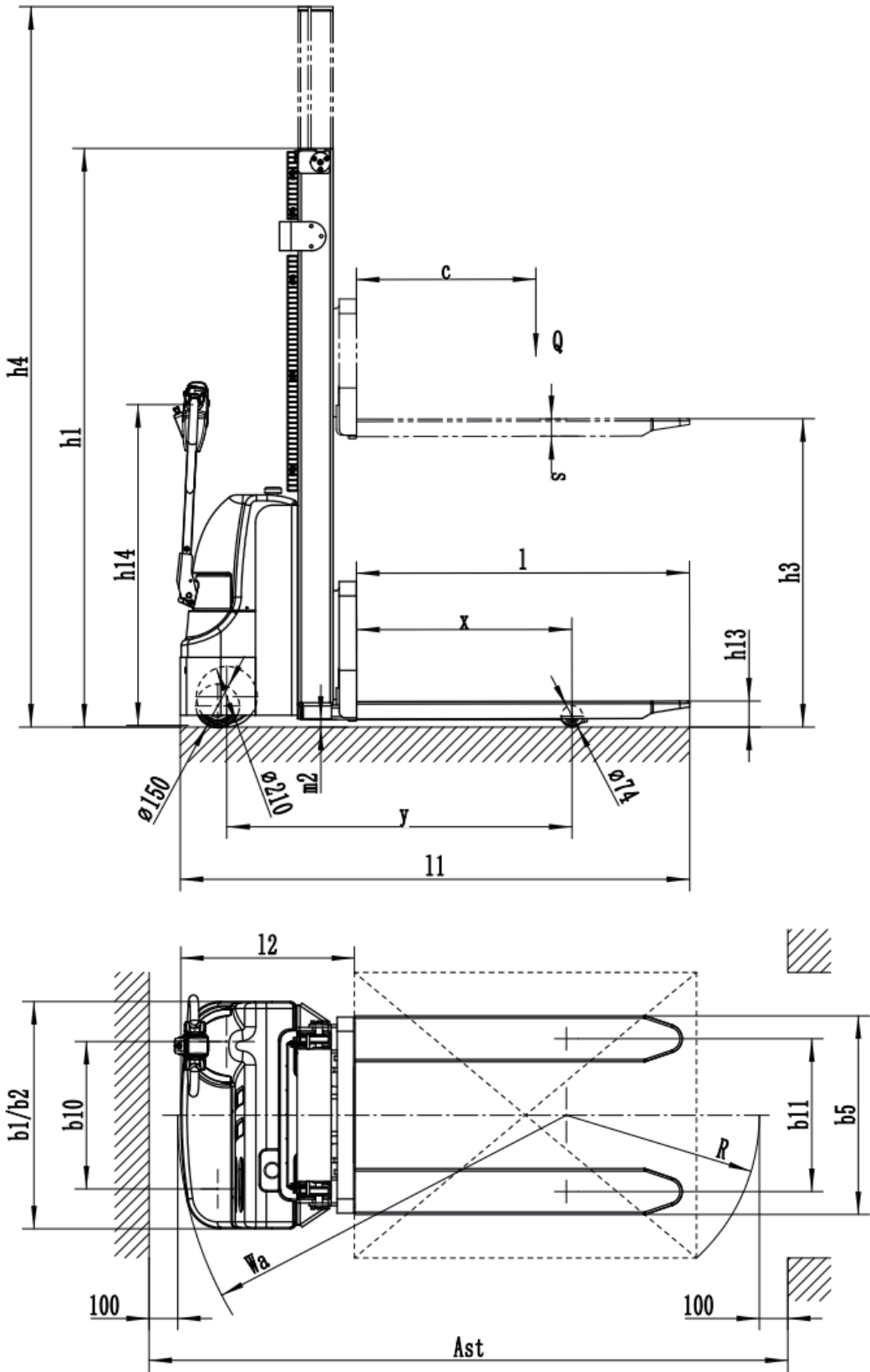
Easy Maintenance

- Equipped with a maintenance-free battery that can be removed and replaced without tools. Simple maintenance procedures ensure continuous equipment operation.

	Parameter	Unit	PS15SW
Identification	Power type	-	Electric
	Operation type (manual, walkie, seated, stand-on, order-picking)	-	Walkie
	Rated load capacity	Q (t)	1.5
	Load center distance	c (mm)	600
Weight	Front overhang	x (mm)	780
	Wheelbase	y (mm)	1225
	Service weight (including battery)	kg	500
Wheels	Tires (solid rubber, superelastic, pneumatic, polyurethane)	-	Polyurethane
	Drive wheel size (diameter × width)	mm	Φ 210×75
	Load wheel size (diameter × width)	mm	Φ 80×70
	Balance wheel size (diameter × width)	mm	Φ 115×55
	Number of drive wheels / balance wheels / load wheels (x = drive wheel)	mm	1×+1/4
	Front track width, drive end	b10 (mm)	522
Dimensions	Rear track width, load end	b11 (mm)	410/535
	Mast lowered height	h1 (mm)	1995
	Free lift height	h2 (mm)	0
	Lifting height	h3 (mm)	3000
	Mast maximum height	h4 (mm)	3452
	Handle height (min/max)	h14 (mm)	700/1225
	Fork lowered height	h13 (mm)	86
	Overall length	l1 (mm)	1740
	Body length	l2 (mm)	590
	Overall width	b1(mm)	795
	Fork size	s/e/l (mm)	60/160/1150
	Fork outside width	b5 (mm)	570/695
	Ground clearance at wheelbase center	m2 (mm)	26
	Aisle width for 1000×1200 pallet (1200 across fork direction)	Ast (mm)	2245
	Aisle width for 800×1200 pallet (1200 along fork direction)	Ast (mm)	2185
	Turning radius	Wa (mm)	1405
Performance	Travel speed, laden/unladen	km/h	4.0/4.2
	Lifting speed, laden/unladen	m/ s	85/140
	Lowering speed, laden/unladen	m/ s	110/90
	Gradeability, laden/unladen	%	3/10
	Brake type	-	Electromagnetic
Motor	Drive motor rated power (S2 60 min)	kW	0.75
	Lift motor rated power (S3 15%)	kW	2.2
	Battery voltage / rated capacity	V/Ah	2×12/100
Other	Battery weight	kg	2×27
	Drive control type	-	DC
	Steering type	-	Mechanical
	Noise level	dB(A)	dB(A) ≤70

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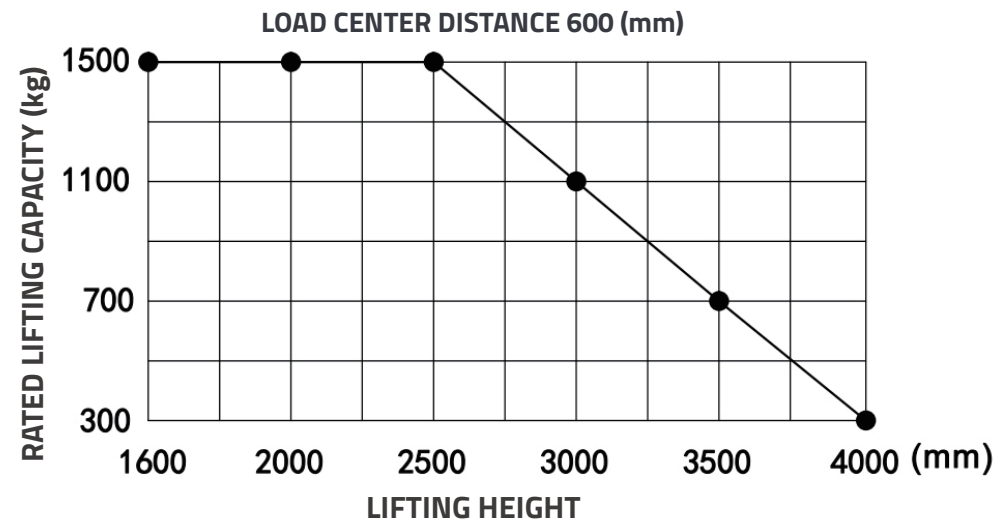
Dimensional drawing



SPECIFICATIONS

Load chart

PS15SW



MAST DATA SHEET

ZOOMLION

Mast data sheet				
Mast type	Lifting height (h3)	Mast height		Weight
		Mast lowered height (h1)	Mast lifting height (h4)	
	mm	mm	mm	kg
Single mast	1600	2014	2014	415
	2000	1495	2452	450
Duplex wide-view mast	2500	1745	2952	475
	3000	1995	3452	500
	3500	2245	3952	525
	4000	2495	4452	550

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FEATURES

Feature		PS15SW
Standard	Fork specification	60*160*1150 (outside width 695)
	Outrigger inside width	411mm
	Fork carriage width	687mm
	Load backrest height	415mm
	Load wheel type	Double wheel
	Load wheel material	Polyurethane
	Drive wheel material	Polyurethane
	Battery capacity	Maintenance-free 24V100Ah
	Charger	24V10A built-in lead-acid charger
	Swivel caster	Yes, non-customizable
	Buzzer	Yes, non-customizable
	Drive assembly	Horizontal drive
Optional	Fork specification	60*160*1150 (outside width 570)
	Outrigger inside width	286mm
	Battery capacity	○ Maintenance-free 24V 120Ah / ○ Lithium 24V 60Ah / ○ Lithium 24V 100Ah
	Charger	○ 24V 15A built-in lead-acid charger / ○ 24V 30A built-in lithium charger
		○ 24V 10A external lead-acid charger / ○ 24V 30A external lithium charger
	Cold storage function	Yes, non-customizable

Standard ● Optional ○



PS20SR

ZOOMLION | Stand-on Electric Pallet Truck

Rated Load Capacity
2.0 T

PRODUCT HIGHLIGHTS

Zoomlion PS20SR pallet stacker features a brand-new exterior design with a matte wear-resistant paint finish that resists scratches and oil stains. Equipped with high-power MOSFET drive technology, it delivers powerful performance, rapid acceleration, and safe, precise operation. The stacker runs smoothly and efficiently with low noise levels. Its compact structure allows for easy maintenance, and the side-pull battery compartment enables quick, time-saving battery replacement. The specially designed steel mast ensures stability and sustained operational capability, making it an ideal choice for efficient warehouse handling.



Precise Control

- Standard electronic power steering and stepless speed control for sensitive and responsive operation. Equipped with plug braking technology to enhance control precision and operating convenience during work.

Safety Protection

- Built with professional box-section mast steel for superior structural stability and bending resistance. Equipped with a lift limit switch to prevent over-travel accidents, ensuring stable and reliable operation.



Comfortable Driving

- The vertical AC drive system operates quietly, and combined with electric steering, it reduces operating effort, enhancing driving comfort and human-machine interaction experience.

Easy Maintenance

- Side-pull battery design allows quick and convenient replacement. The battery compartment features practical recesses for storing tools and accessories, significantly improving daily maintenance efficiency.

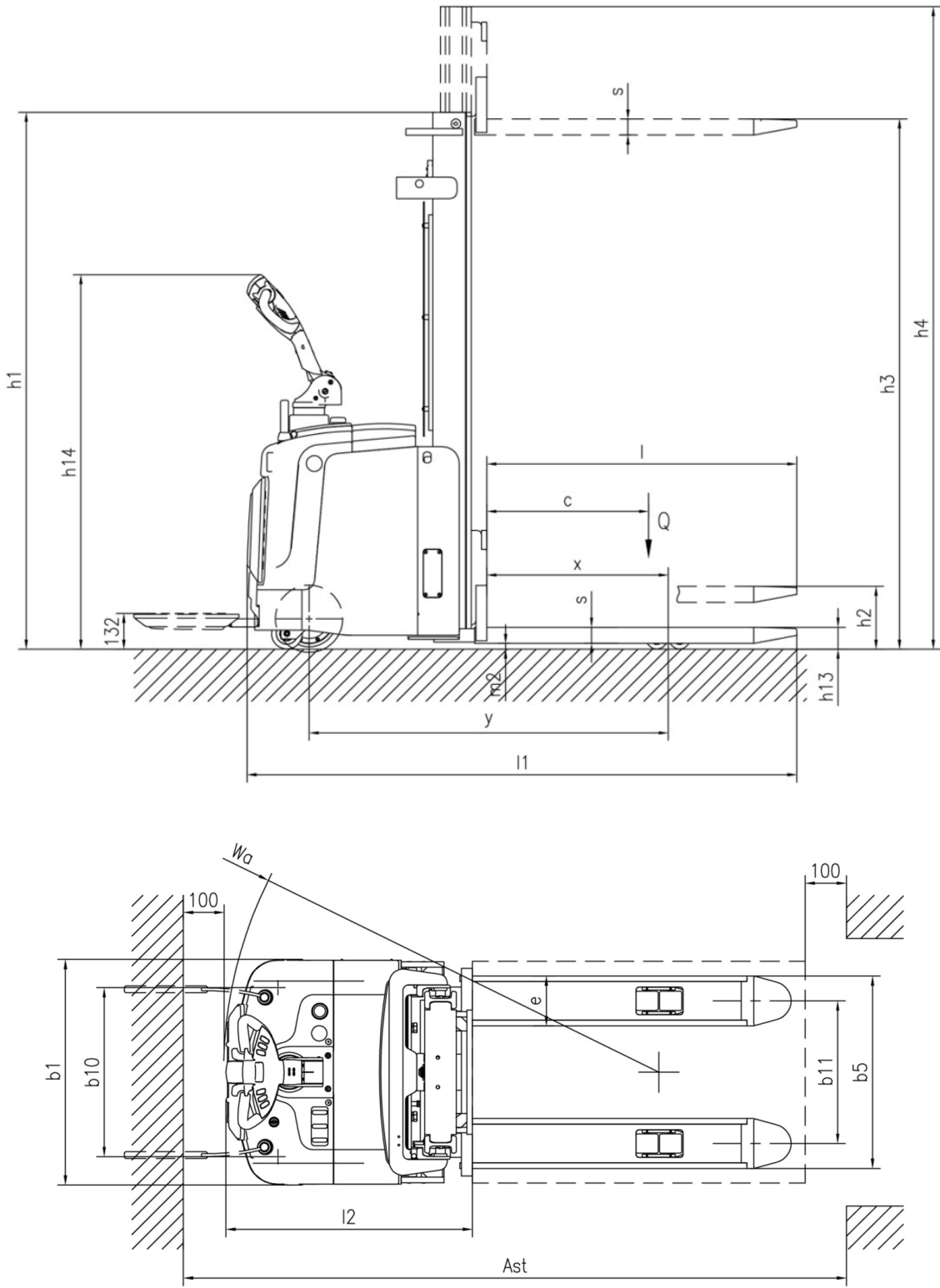
SPECIFICATIONS

ZOOMLION

Parameter		Unit	PS20SR
Identification	Power type	-	Electric
	Operation type	-	Stand-on
	Rated load capacity	Q (Kg)	2000
	Load center distance	c (mm)	600
Weight	Front overhang	x (mm)	673
	Wheelbase	y (mm)	1332
	Service weight (including battery)	kg	1090
Wheels	Tires	-	Polyurethane
	Drive wheel size (diameter × width)	mm	Φ 250x75
	Load wheel size (diameter × width)	mm	Φ 80x70
	Balance wheel size (diameter × width)	mm	Φ 115x55
	Number of drive wheels / balance wheels / load wheels (x = drive wheel)	mm	1x,2/4
	Rear track width, load end	b11 (mm)	580
Dimensions	Maximum lifting height (standard)	h3(mm)	3000
	Handle height (min/max)	h14(mm)	1063/1440
	Fork lowered height (fork face height)	h13(mm)	85
	Overall length	l1(mm)	2040
	Length to fork face	l2(mm)	890
	Overall width	b1/ b2(mm)	808
	Fork size	s/ e/ l(mm)	60/180/1150
	Fork outside width	b5(mm)	570/695
	Ground clearance at wheelbase center	m2(mm)	24
	Minimum right-angle aisle width, pallet 1000×1200, 1000 along fork direction	Ast(mm)	2452
Performance	Minimum right-angle aisle width, pallet 800×1200, 1200 along fork direction	Ast(mm)	2432
	Turning radius, pedal folded	Wa(mm)	1570
	Travel speed, laden/unladen	km/h	5.2/5.5
	Lifting speed, laden/unladen	m/ s	0.07/0.13
	Lowering speed, laden/unladen	m/ s	0.18/0.18
Motor	Gradeability, laden/unladen	%	6/8
	Brake type	-	Electromagnetic
	Drive motor rated power (S2 60 min)	kW	2.5
	Lift motor rated power (S3 15%)	kW	3
	Battery voltage / rated capacity	V/Ah	24/210
Other	Battery weight	kg	190
	Drive control type	-	AC
	Steering type	-	Electric
Noise level		dB(A)	≤70

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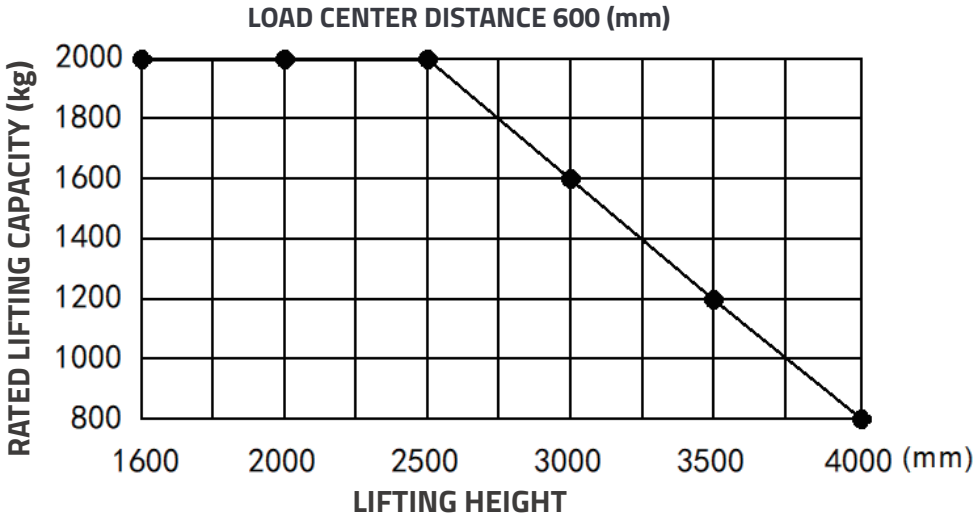
Dimensional drawing



SPECIFICATIONS

Load chart

PS20SR



MAST DATA SHEET

ZOOMLION

Mast data sheet

Mast type	Load	Lifting speed	Lowering speed	Drive motor	Mast lifting height (h3)	Mast height		Weight
	capacity	laden/unladen	laden/unladen	rated power		Mast lowered height (h1)	Mast lifting height (h4)	
Single mast	mm	mm	mm	mm	mm	mm	mm	kg
	2000	0.070/0.130	0.180/0.180	2.5	1600	2049	2049	960
	2000	0.070/0.130	0.180/0.180	2.5	2000	1499	2408	995
	2000	0.070/0.130	0.180/0.180	2.5	2500	1749	2908	1035
Duplex mast	2000	0.070/0.130	0.180/0.180	2.5	3000	1999	3408	1090
	2000	0.070/0.130	0.180/0.180	2.5	3300	2149	3708	1115
	2000	0.070/0.130	0.180/0.180	2.5	3500	2249	3908	1130
	2000	0.070/0.130	0.180/0.180	2.5	3600	2299	4008	1135
	2000	0.070/0.130	0.180/0.180	2.5	4000	2499	4409	1170

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FEATURES

Feature			PS20SR
Standard	Fork specification	60*180*1150	●
	Outrigger inside width	391	●
	Fork carriage width	750	●
	Load backrest height	349	●
	Load wheel type	Double wheel	●
	Load wheel material	Polyurethane	●
	Drive wheel material	Polyurethane	●
	Battery capacity	Battery 24V/210Ah	●
	Charger	24V30A external lead-acid charger	●
	Swivel caster	Yes, non-customizable	●
	Buzzer	Yes, non-customizable	●
	Drive assembly	Vertical drive	●
Optional	Fork specification	570*1150、60*180*1150	○
	Outrigger inside width	266	○
	Battery capacity	○ Battery 240Ah / ○ Lithium battery 150Ah○ Lithium battery 230Ah	○
	Charger	24V 50A external lithium battery charger	○
	Cold storage function	Yes, non-customizable	○

Standard ● Optional ○