WS Silver Series



Fork-over and Straddle Walkie Stackers

24 Volt

3,000 - 4,000lb. Capacities

UNICARRIERS® FORKLIFT

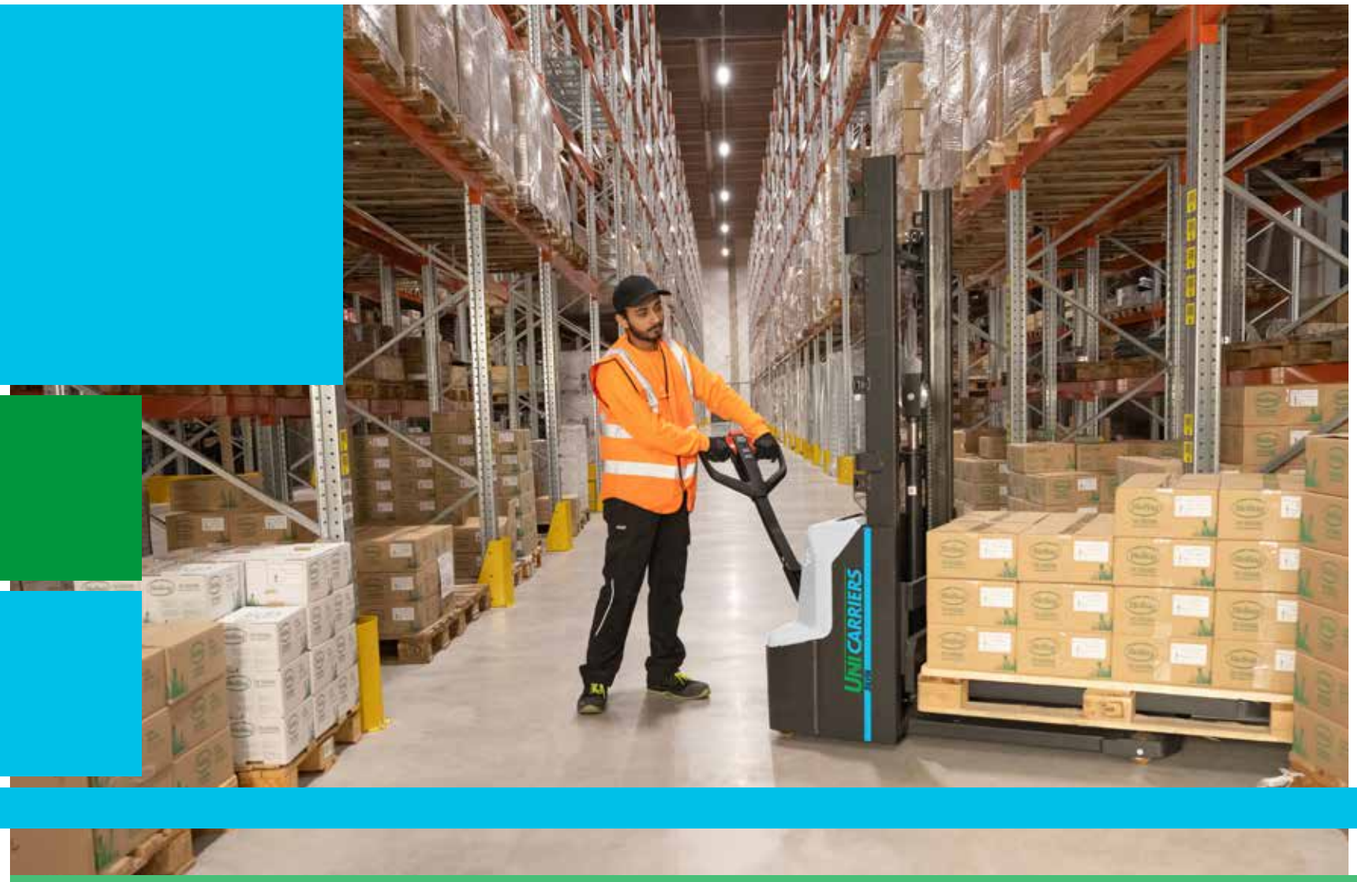
NEVER QUIT.

YOUR JOB DOESN'T STOP, AND NEITHER SHOULD YOUR FORKLIFTS. THAT'S WHERE WE COME IN.

Your application isn't just transporting pallets. There's narrow aisles and confined spaces where simplicity, maneuverability and ease of use matter most.

Flexibility is the name of the game. And that's where the WS Silver series delivers.

Power:	**24V**
Maneuverability:	**Responsive controls provide excellent maneuverability**
Environment:	**Ideal for pallet stacking, transport, and storage tasks**
Travel Distance:	**Short to medium distances**
Lift:	**Up to 207" (5,400mm)**



Productivity Through Precision

Excellent visibility and precise load control provides agile maneuverability and handling accuracy in tight spaces. Smooth hydraulic performance and easy-to-reach controls help increase productivity throughout the workday.

Less Downtime, More Productivity

This design minimizes maintenance downtime by providing convenient access to key components, allowing technicians to perform inspections and servicing quickly and efficiently. Responsive controls help ensure smooth and effective load handling, improving overall productivity.
In addition, intelligent diagnostic features simplify troubleshooting and maintenance efforts, streamlining repairs and reducing service time.

WS Silver Series In Your Application

Performance, reliability, control, safety and comfort – the WS Silver incorporates them all to deliver in a wide-range of fast-paced industrial applications, such as:

• Retail • Warehousing • Distribution • Multiple Space-Constrained Environments

WS Silver: YOUR APPLICATIONS DESERVES BOTH FLEXIBILITY AND RELIABILITY

Your operation depends on equipment that can handle daily demands without slowing you down. That's why our stackers are built for dependable performance, supporting consistent uptime and steady, reliable productivity.. Designed for pallet stacking, transport, and storage, they deliver the maneuverability, control, and reliability needed in warehouses, distribution centers, manufacturing facilities, and retail environments.



Flexible Power Solutions

Lithium-ion and lead-acid battery configurations are available. These power solutions support extended operating time, reduced downtime, and efficient material handling workflows.



- Available lithium-ion battery technology on select models for efficient, dependable power
- Fast charging capabilities in as little as 4 hours on specific configurations to help reduce downtime
- Battery capacities up to 24V/270Ah+ to support extended operating periods
- Smart battery management technology designed to optimize performance and energy efficiency

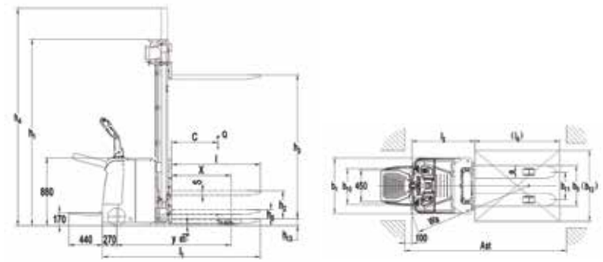


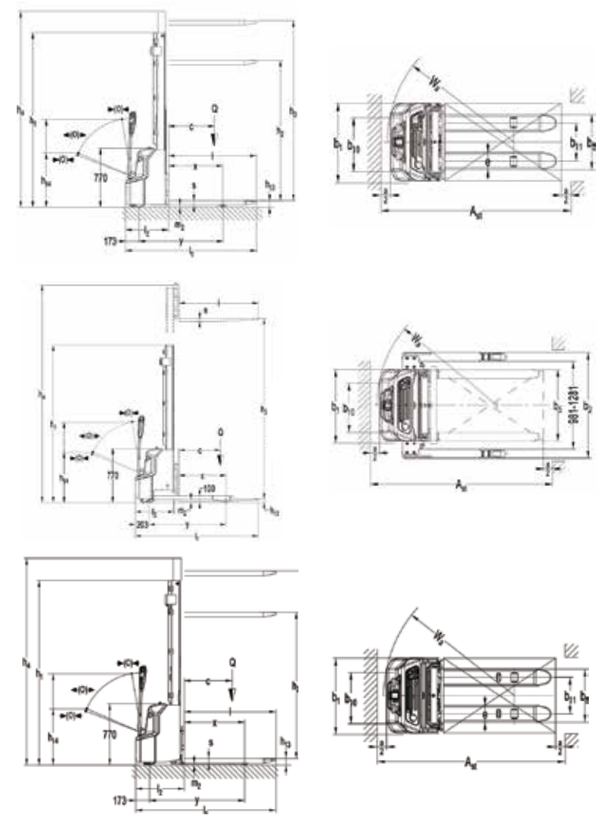
Built For Protection and Durability

With a rugged steel chassis, durable mast assembly, and quality components throughout, the WS Silver Series is designed to stand up to the demands of everyday operation.

Select models are available with long tiller designs, PIN-code access, and operator display features.

Call-out numbers shown in the diagram correspond to the first column of the specifications chart.





Safety Standards

These trucks are CE certified and meet the applicable European safety requirements.

Specifications, equipment, technical data, photos and illustrations based on information at time of printing and subject to change without notice. Some products may be shown with optional equipment.

Specifications

Characteristics			WSP13-SL		WSP13S-SL		WSV16-SL		WSP16S-SL		WSP18S-SL	
Load Capacity at rated load center	lb	*kg*	3,000	*1,300*	3,000	*1,300*	*3,500*	*1,600*	*3,500*	*1,600*	*4,000*	*1,800*
Rated load center	in	*mm*	23.6	*600*	23.6	*600*	*23.6*	*600*	*23.6*	*600*	*23.6*	*600*
Load distance, center of drive axle to fork face	in	*mm*	28	710	26.5	674	25.5	647	26.1	664	25.5	647
Wheelbase	in	*mm*	43.2	1,097	43.7	1,111	47.8	1,215	54.3	1,378	54.3	1,378
Dimensions			**WSP13-SL**		**WSP13S-SL**		**WSV16-SL**		**WSP16S-SL**		**WSP18S-SL**	
Lowered Mast Height	in	*mm*	89.8	*2,280*	90.2	*2,290*	*94.8*	*2,408*	*83*	*2,108*	*87.7*	*2,228*
Free Lift Height	in	*mm*	70.9	*1,800*	70.9	*1,800*	*71.7*	*1,820*	*59.8*	*1,520*	*59.8*	*1,520*
Lift Height	in	*mm*	138.2	*3,510*	138.2	*3,510*	*213*	*5,410*	*177.6*	*4,510*	*177.6*	*4,510*
Extended Mast Height	in	*mm*	157.1	*3,990*	159.6	*4,055*	*240.6*	*6,110*	*200*	*5,080*	*204.7*	*5,200*
Height of tiller min./max.	in	*mm*	28 / 45.3	710 / 1,150	28 / 45.3	710 / 1,150	37.4 / 53.1	950 / 1,350	35 / 55.9	890 / 1,420	35 / 55.9	890 / 1,420
Height, lowered	in	*mm*	3.5	*90*	2	*50*	*3.5*	*90*	*2*	*50*	*2*	*50*
Overall Length	in	*mm*	67.3	*1,710*	70.5	*1,790*	*74.6*	*1,896*	*81.7*	*2,075*	*82.4*	*2,092*
Length to Face of Forks	in	*mm*	22	*560*	25.2	*640*	*29.4*	*746*	*36.4*	*925*	*37.1*	*942*
Overall Width	in	*mm*	31.5	*800*	31.5	*800*	*31.1*	*790*	*32.1/46-58*	*816/1,170-1470*	*32.1/46-58*	*816/1,170-1470*
Fork Dimensions - thickness/width/length	in	*mm*	2.4/7.1/45.3	*60/180/1,150*	1.6/3.9/45.3	*40/100/1,150*	*2.4/7.1/45.3*	*60/180/1,150*	*1.6/3.9/45.3*	*40x100x1,150*	*1.6/3.9/45.3*	*40x100x1,150*
Width Across Forks	in	*mm*	22.4-27.0	*570-685*	9.9-31.5	*252-800*	*22.4-27.0*	*570/685*	*8.7-32.7*	*222-830*	*8.7-32.7*	*222-830*
Ground clearance, center of wheelbase	in	*mm*	0.94	*24*	1.57	*40*	*1.1*	*28*	*1.57*	*40*	*1.57*	*40*
Right angle stack with 40 x 48 pallet	in	*mm*	87.4	*2,220*	90.2	*2,291*	*93.9*	*2,386*	*98.5*	*2,502*	*99*	*2,515*
Turning Radius	in	*mm*	51.2	*1,300*	53	*1,345*	*55.9*	*1,420*	*61*	*1,550*	*61*	*1,550*
Performance			**WSP13-SL**		**WSP13S-SL**		**WSV16-SL**		**WSP16S-SL**		**WSP18S-SL**	
Travel Speed, loaded/unloaded	mph	*km/h*	2.6 / 2.8	*4.2 / 4.5*	2.6 / 2.8	*4.2 / 4.5*	*3.7 / 4.3*	*6.0/7.0*	*3.4 / 3.7*	*5.4 / 6*	*3.4/3.7*	*5.4 / 6*
Lift Speed, loaded/unloaded	fpm	*m/s*	19.7 / 27.6	*0.1 / 0.14*	19.7 / 27.6	*0.1 / 0.14*	*25.6 / 39.4*	*0.13 / 0.2*	*25.6 / 35.4*	*0.13 / 0.18*	*25.6 / 35.4*	*0.13 / 0.18*
Lowering Speed, loaded/unloaded	fpm	*m/s*	25.6 / 21.7	*0.13 / 0.11*	25.6 / 21.7	*0.13 / 0.11*	*55.1 / 45.3*	*0.28 / 0.23*	*39.4 / 27.6*	*0.2 / 0.14*	*39.4 / 27.6*	*0.2 / 0.14*
Max Gradeability, loaded/unloaded	%		4 / 10		4 / 10		*6 / 12*		*6 / 12*		*6 / 10*	
Service Brake			Electromagnetic		Electromagnetic		Electromagnetic		Electromagnetic		Electromagnetic	
Weight			**WSP13-SL**		**WSP13S-SL**		**WSV16-SL**		**WSP16S-SL**		**WSP18S-SL**	
Service Weight	lb	*kg*	1,477	*670*	1,841	*835*	*3,042*	*1,380*	*3,263*	*1,480*	*3,439*	*1,560*
Axle loading - loaded, front/rear	lb	*kg*	1,235/3,109	*560/1,410*	1,400/3,241	*635/1,470*	*2,292/4,277*	*1,040/1,940*	*1,823/4,967*	*827/2,253*	*1,966/5,243*	*892/2,378*
Axle loading - unloaded, front/rear	lb	*kg*	1,058/419	*480/190*	1,312/529	*595/240*	*2,072/970*	*940/440*	*1,905/1,358*	*864/616*	*2,037/1,402*	*924/636*
Chassis			**WSP13-SL**		**WSP13S-SL**		**WSV16-SL**		**WSP16S-SL**		**WSP18S-SL**	
Tires			Polyurethane (PU)		Polyurethane (PU)		Polyurethane (PU)		Polyurethane (PU)		Polyurethane (PU)	
Tire Size Front	in	*mm*	8.3x3.0	210x75	8.3x3.0	210x75	9.1x2.8	230x70	9.1x2.8	230x70	9.1x2.8	230x70
Tire Size Rear	in	*mm*	3.3x3.7	84x93	3.3x3.7	84x93	3.3x2.8	84x70	3.3x2.8	84x70	3.3x2.8	84x70
Additional Wheels	in	*mm*	3.9x2.0	*100x50*	3.9x1.6	*100x40*	*5.9x2.1*	*150x54*	*3.9x1.6*	*100x40*	*3.9x1.6*	*100x40*
Wheels, number front / rear (x = driven wheels)			1x+1/2		1x+2/2		*1x+1/4*		*1x+2/4*		*1x+2/4*	
Tread Front	in	*mm*	21.7	*550*	20.5	*520*	*20.1*	*510*	*19.7*	*500*	*19.7*	*500*
Tread Rear	in	*mm*	15.7/20.3	*400/515*	N/A	*N/A*	*15.4/19.9*	*390/505*	*N/A*	*N/A*	*N/A*	*N/A*
Motors			**WSP13-SL**		**WSP13S-SL**		**WSV16-SL**		**WSP16S-SL**		**WSP18S-SL**	
Drive Motor Rating	hp	*kW*	0.87	0.65	0.87	0.65	1.88	1.4	1.88	1.4	1.88	1.4
Lift Motor Rating	hp	*kW*	2.95	*2.2*	2.95	*2.2*	*4.29*	*3.2*	*4.29*	*3.2*	*4.29*	*3.2*
Battery acc. to DIN 43531 / 35 / 36 A, B, C, no			No		No		3VBS		3VBS			
Battery voltage, nominal capacity K_5	V/Ah		24/100		24/100		*24/210-270*		*24/270*			
Battery Weight	lb	*kg*	57	26	57	26	408	185	507	230	507	230
Energy Consumption	kWh/h		0.68		0.7		*1.34*		*1.59*		*1.7*	

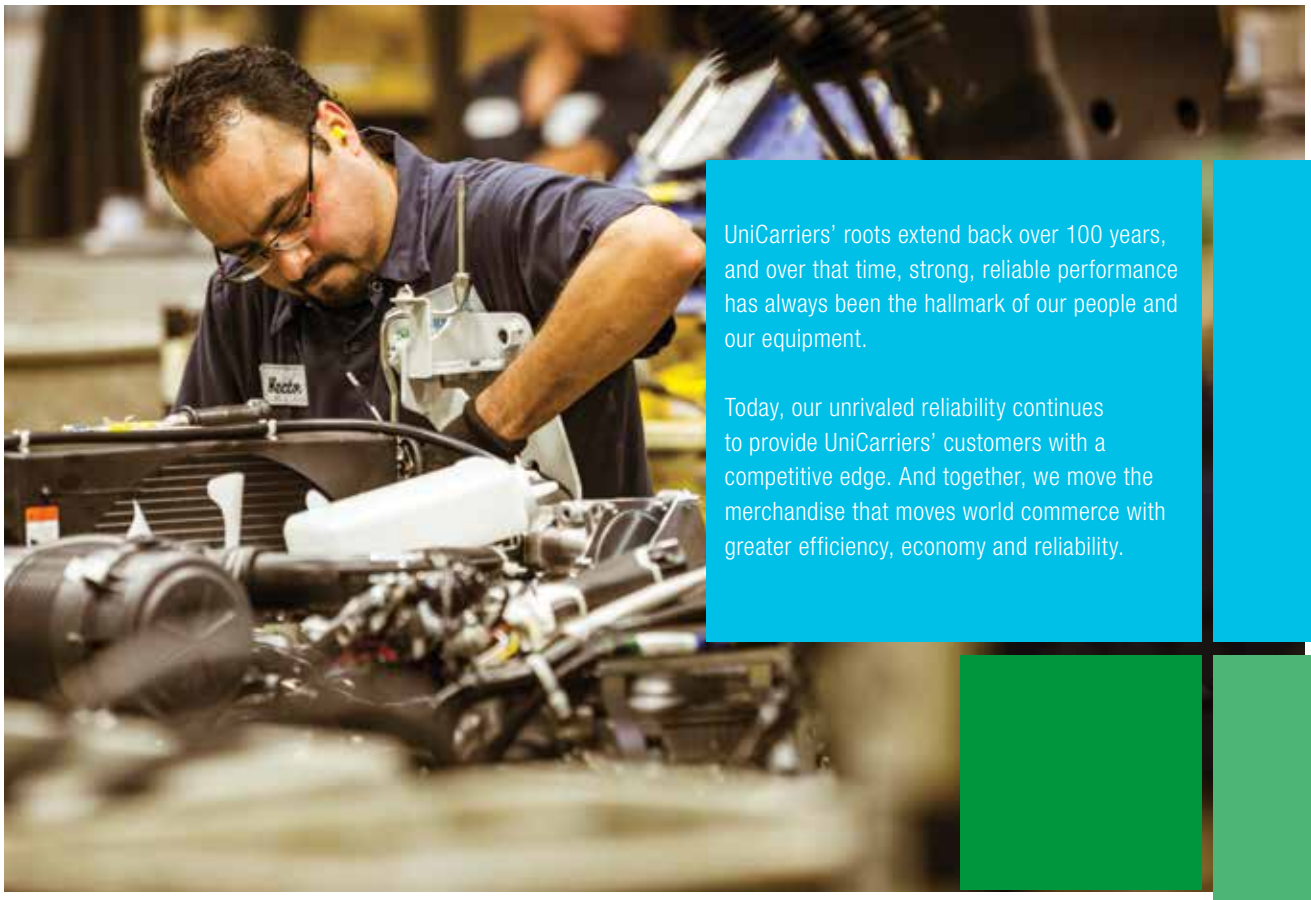
NOTE: These specifications assume the use of drive axles, tires and tilt angles specified. Any modification to specifications, or any other combination of specifications made after the shipment of the truck, requires prior written approval from Mitsubishi Logisnext Americas Inc. (See ANSI/ITSDF B56.1.) Also be advised that overall operating visibility may be affected by the mast configuration and mast options of your truck. Therefore, you may need to add ancillary [auxiliary] devices or modify your operating practices. Consult your dealer for further information.

The light duty walkie stacker has a soft start semi-proportional hydraulic system that provides smooth, responsive lift performance, while automatic speed reduction during turns promotes stable handling. A full free-lift mast offers added flexibility when working in height-restricted spaces.

Designed for productive warehouse operations, the stacker with a foldable operator platform features available high-capacity batteries and AC drive technology to help support extended travel and efficient material handling.

For applicable straddle models, adjustable straddle legs help accommodate varying pallet widths and material handling applications.

Reliability.
It's the defining trait of our brand and our forklifts.



UniCarriers' roots extend back over 100 years, and over that time, strong, reliable performance has always been the hallmark of our people and our equipment.

Today, our unrivaled reliability continues to provide UniCarriers' customers with a competitive edge. And together, we move the merchandise that moves world commerce with greater efficiency, economy and reliability.

Which brand do you trust?
The one you never have to think about.

We Never Quit.

Specifications, equipment, technical data, photos and illustrations based on information at time of printing and subject to change without notice. Some products may be shown with optional equipment.

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