

# S1.0-1.5C SERIES

---



## ROBOTIC COUNTERBALANCED STACKER PRODUCT TECHNICAL GUIDE



Hyster robotic solutions help optimize workflow, provide flexibility and help achieve significant cost savings. Our robotic vehicles are available in dual mode (manual and automatic) and require no added infrastructure, providing easy integration into your existing operations. Hyster robotic vehicles are programmed to perform repetitive, non-value added tasks so that current employees can be elevated to more rewarding jobs, helping to avoid high turnover, absenteeism and new employee training.

## ROBOTIC COUNTERBALANCED STACKER / S1.0-1.5C / 2200 - 2750 LB

- Deposit or remove pallets from 2nd or 3rd level
- Handle smaller width pallets
- Stack or unstack loads
- Deposit or remove pallets from shrink wrap station



### ROBOTICS

Allows people to focus on value added tasks, and robotic lift trucks on repetitive, low value added tasks.



### INFRASTRUCTURE FREE NAVIGATION

Integrates into existing operations by mapping structural features to self-locate and navigate; does not require laser reflectors, guide wire or magnets.



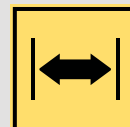
### RAPID DEPLOYMENT

Runs with zero, partial or full integration with facility warehouse management systems (WMS).



### FLEXIBLE

Can switch to manual mode with the touch of a button, helping accommodate changing operational needs.



### SCALABLE

Has the ability to take on small tasks and expand as operational requirements grow.

# SPECIFICATIONS

GENERAL	Model		S1.0C	S1.2C	S1.5C
	Rated capacity (at 64" @ 24" LC)	lb	2,200	2,645	2,750
Power type		Electric 24 volt			
DIMENSIONS	Outside turning radius	in	74	78	82
	Max lift height (robotic)	in	146.25		
	Vertical clearance	in	92.5		
	Travel path width (one-way traffic) <sup>1</sup>	in	80		
	Travel path width (two-way traffic) <sup>1</sup>	in	140		
Right Angle Stack <sup>2</sup>	in	158	164	170	
PERFORMANCE	Travel speed (manual)	mph	4.5		
	Travel speed (robotic)	mph	4.5		
	Travel direction		Forward and reverse		
	Ramp elevation		<3% incline/decline		
POWER	Power source		Lead-acid, lithium-ion, or hydrogen fuel cells		
	Battery charging method		Auto Charge available for certain power sources		
	Battery compartment	in	26.1 x 10.2 x 32.0		

<sup>1</sup> carrying 40" x 48" pallet @ 4.5 mph

<sup>2</sup> carrying 40" x 48" pallet

\*Refer to the S1.0-1.5C (base truck) specifications sheet for additional details.

**CERTIFICATION:** Hyster lift trucks meet the design and construction requirements of B56.1-1969, Per OSHA section 1910.178(A)(2), and also comply with the B56.1 Revision in effect at time of manufacture. Certification of compliance with the applicable ANSI standards appears on the lift truck. Performance specifications are affected by the condition of the vehicle and how it is equipped, as well as by the nature and condition of the operating area. Specifications are subject to change and the proposed application should be discussed with your authorized Hyster Company dealer.


**NOTE:** Above specifications, unless otherwise listed, are for a standard unladen truck without optional equipment.





Hyster Company  
P.O. Box 7006, Greenville, North Carolina 27835-7006

Visit us at [www.hyster.com/robotics](http://www.hyster.com/robotics)  
For questions about Hyster Robotics contact [robotics@hyster.com](mailto:robotics@hyster.com)

© Hyster Company. 2024, all rights reserved. Hyster and  are trademarks of Hyster-Yale Group, Inc.

Hyster products are subject to change without notice. Trucks may be shown with optional equipment and/or features not available in all regions.