



UNI CARRIERS[®]

Platinum WSX

Walkie Straddle Stacker Models
3,000 and 4,000 lbs. Capacities

Platinum WCX

Walkie Counterbalance Stacker Models
3,000 and 4,000 lbs. Capacities



UNICARRIERS®

Designed for efficiency, built for years of enduring service and backed by a network of highly skilled and factory-trained professionals, UniCarriers is the brand of choice for any organization that wants more out of their equipment and their investment.



Up Your UpTime

Reliability is key and that is no mistake. Design, engineering and relentless testing are part of our DNA. The result is what we expect and what you demand.



Power & Performance

Our AC drive motor and controller system and intuitive designs allow you to move in a way that makes sense. The resulting productivity saves you time, money and operator mishaps.



Control Freak

Our advanced features give you control to promote operator security, manage your productivity, contain costs, or do all of these things at once.



Play It Safe

Your employees' well-being is an imperative. Standard protection features mean greater confidence in the workplace.

Capacities of up to 4,000-lbs...lift heights up to 18 feet, and fluid maneuverability — all of the performance you're looking for comes together in two stackers that are intuitive to operate, easy to maintain and economical to purchase: The WSX and WCX by UniCarriers.



The WSX is a versatile, hard-working straddle stacker that easily operates in tight aisles with heavy loads — making it the productive choice for use in shipping and receiving areas, or any application that demands a maneuverable machine.

The WCX — our counterbalance model — is a workhorse built to handle heavier loads, reach higher heights and do the job of larger, more expensive sit-down rider models. All of which makes the WCX the right choice for manufacturing and other demanding applications.



Sweet Savings

Our low cost of ownership is something you can take to the bank. We take our commitment to delivering value seriously because we know you do.



Comfort Zone

Work comes first, but there are amenities that make the experience more pleasurable. And happy operators are statistically more productive.



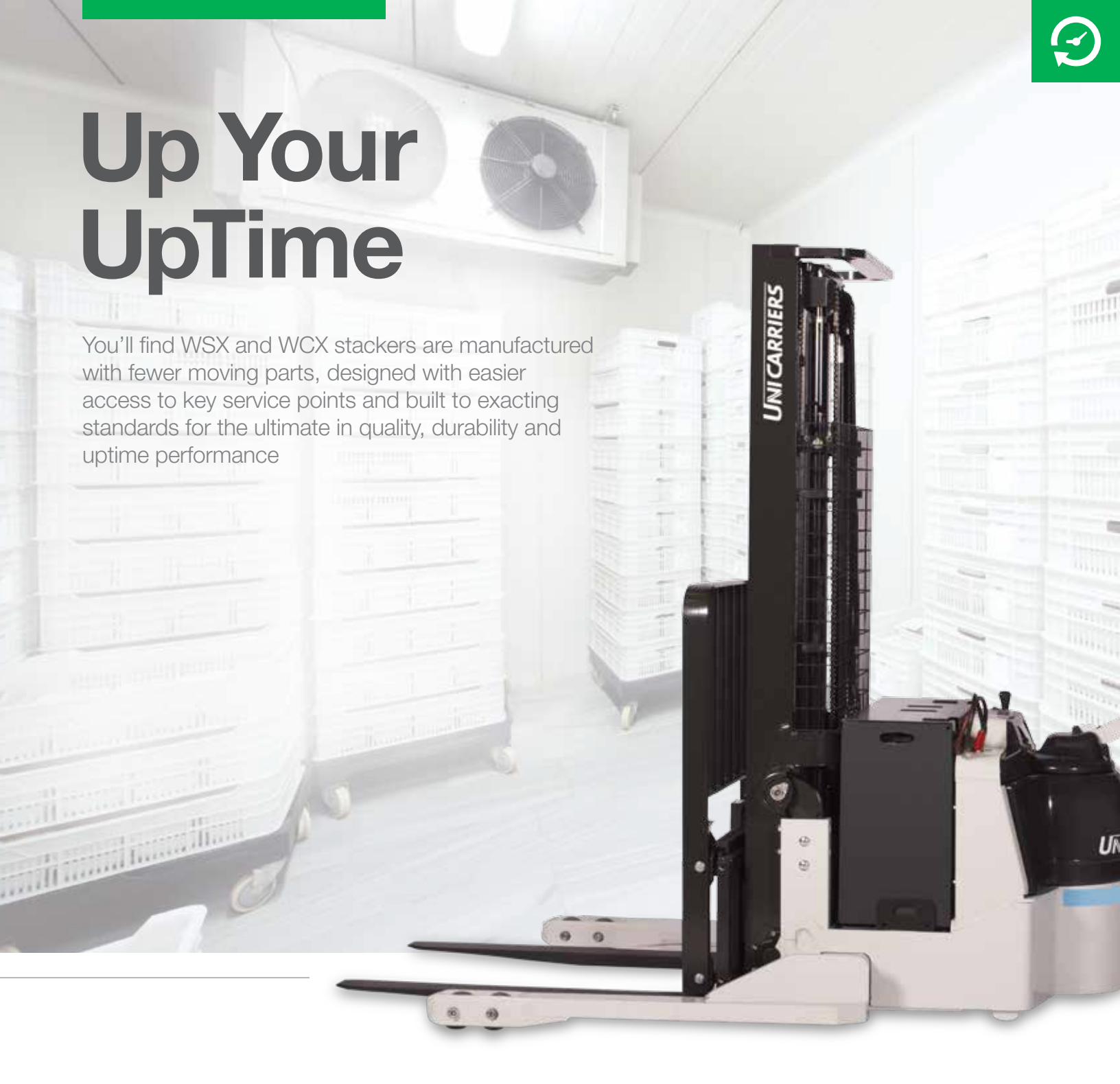
Make It Yours

Choose from a variety of options to customize your walkie stacker. If you don't see what you need, contact your authorized Nissan Forklift by UniCarriers dealer for help.



Up Your UpTime

You'll find WSX and WCX stackers are manufactured with fewer moving parts, designed with easier access to key service points and built to exacting standards for the ultimate in quality, durability and uptime performance



Built for Serviceability

The design provides easy service access to:

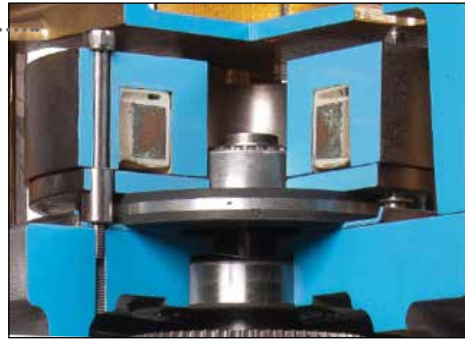
- Drive unit assembly
- Pump motor brushes
- Rotation sensing encoder
- Brake system
- Lubrication fittings

Built for Reliability

The WSX and WCX are built with reliable components proven on thousands of UniCarriers forklifts in countless applications.

Smart Electric Brake

Regenerative motor torque, proportional plugging and our spring-applied electronically released disc brake work together to reduce component wear, **extend part life** and **eliminate the need for adjustments.**



Self Diagnosis

On-board diagnostics are readily available through our optional multi-function LCD meter panel— to alert you to potential difficulties, pinpoint the source and troubleshoot problems.

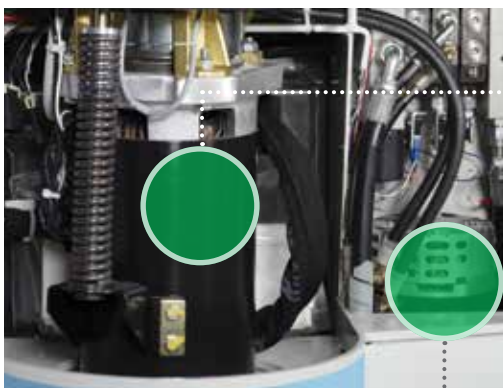


Fewer Moving Parts

Hall Effect speed and acceleration control simplifies maintenance and limits downtime due to its non-contact design that eliminates mechanical wiping action, potentiometers, and heaters.

Simply Smarter

The innovative design of these stacker trucks allows digital communication between all operational controls on the steer handle to the truck's controller. This means multiple signals travel through the same wire. Plus, every minute the truck is on, it's self-monitoring to assure reliability.



Driving Efficiency

The AC drive motor is brushless, eliminates forward and reverse contactors, uses fewer components and requires less maintenance to keep you up and running. Both the drive motor and controller feature **thermal protection systems** to slow or shut down the truck in response to high temperatures. And if service is required, **the motor is mounted vertically for easier access**— to get you back to work faster.

Our heavy-duty DC hydraulic lift pump effectively delivers hydraulic oil to a system that features a check valve, flow regulator and return filtering line. This protects the system against environmental contaminants.



Power & Performance



Our AC Motor That Does More For Less

Greater torque and faster speeds are only the beginning of what our proven 5.2 HP brushless AC drive motor delivers. This 24V system features an advanced motor controller/AC inverter that **distributes consistent power as needed** to the AC drive motor or the heavy-duty DC pump motor. The result? Consistently high performance across the battery range, with **longer run times between charging**.



Reach Higher

At 217 inches (18 feet), our lift height is among the highest in the industry - **sized just right for two and three shelf racking**.

The flat face mast design features rolled steel channels, large cross sections, and thick inner rails for **increased capacity retention**.

Lift Heights

6 to 18
FEET



Amazing Maneuverability

You'll get the exceptional stability that comes from the WSX model's wide wheelbase and an amazingly tight turning radius. **A wide, 190° steering arc**, ball-bearing steering mechanism, large steering control head, and spring-loaded handle all contribute to effortless maneuverability.

An efficient, high-power drive unit combined with an 18-ft lift height provides you with the performance you need to complete tough tasks with more speed, accuracy and productivity.

And while competitive systems feature large, bulky connectors which house a web of complex wiring, our exclusive CAN System uses just four wires (data in/out and power in/out) in the controller head. The result? **A greatly simplified system with enhanced dependability.**



Control Freak

Built in to each of these stackers are innovative features that provide your operators with extraordinary control of the machine...and that allow you to maintain control over the operations and performance of your organization.



Optional auxiliary lever shown.



Easy Does It

The ergonomic layout of the control head includes our **Rotary Thumb Travel Control, which can be operated from either side to easily adjust travel speed.** The placement of the lift, lower and horn buttons provides your operator with easy, intuitive fingertip control. Our “Soft Touch” switches also allow easy lifting or lowering of loads.

Complete Control

Hydraulic control levers for lift/lower and tilt functions are conveniently located on the top, right side of the WCX, offering smooth control to feather the load. Levers are available as an option on the WSX.

Speed Limits

A sealed, non-contact proximity switch detects when the forks are raised above free lift on three-stage masts (or at approximately 47” for 2W masts). This system triggers the controller to automatically reduce travel speed to 1.0 mph (1.5 km/h).

Digital Displays

The standard Multifunction Digital Display includes a battery discharge indicator with lift lockout, 3 separate hour meters, and a fault-code display.

For even more control, add the optional Multi-Function LED Display (shown) that features:

- **PIN Access:** personal codes for up to 5 different operators
- **Performance Modes:** Custom settings to match driver capabilities and optimize productivity
- **On-Board Diagnostics:** fast, easy troubleshooting and adjustment





Play It Safe

Maintain Control

The large Safety Reverse Button on the end of the control head automatically reverses the travel direction if operator contact is made.



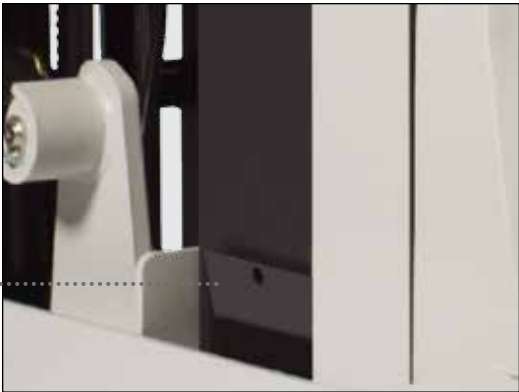
Bright Ideas

Optional mast-mounted, low profile LED work lights provide plenty of illumination to the work area. Amber strobe lights are available as an option for additional workplace awareness.



Controlled Stop

The Smart Electric Brake engages whenever the handle is raised or lowered, ensuring the equipment **can only be operated when the handle is in the proper operating position.**



Security Where It Counts

Adjustable steel battery retainers reduce side-to-side movement, keeping the battery secure. Battery gate interlock switches are available as an option on the 13.5" wide WSX model.

UniCarriers stackers meet all standards of ITSD/ANSI B56.1 Safety Standards for powered industrial trucks. They are ergonomically designed and tested to help operators stay physically comfortable and mentally alert throughout their shift.



Sweet Savings



Quick Access

Both the WSX and WCX are designed to reduce the time and expense of maintenance by providing easy access to critical service points including:

- Major components
- Mast & frame lubrication fittings
- Drive motor encoder
- Pump motor brushes

Low Maintenance & High Efficiency

Extremely reliable, our 24V brushless drive motor requires little maintenance. Extremely efficient, it **uses less energy per cycle** to stay up and running longer between battery charges.

Protection Where It Counts

Thermal protection systems that slow or shut down the truck in response to high temperatures protect the drive motor, controller and your investment.

Putting The Brakes On High Costs

Our Smart Electric Brake uses regenerative motor torque prior to brake actuation. It features fewer parts, never needs adjustment, and extends component life.

Solid Performance

The rugged frame keeps your stacker up and running— and durable, high gloss, scratch-resistant powder coat paint will keep it looking good.

Easy Service

Our bolt-on mast design allows quick and easy access for servicing.

No Tools Needed

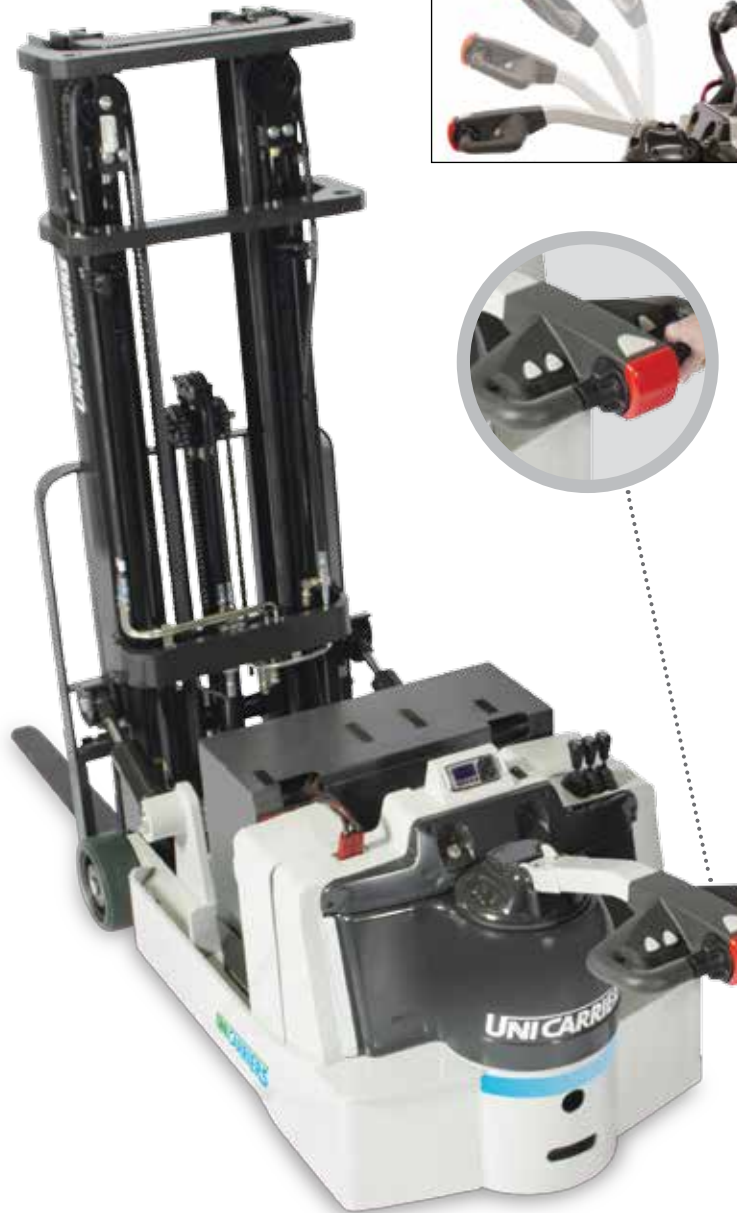
The drivetrain and other major components can be easily accessed without tools.



From energy efficiency, to the savings realized through fewer service requirements and faster maintenance and repair, UniCarriers has designed these machines to save time, money and hassle.



Comfort Zone



More Comfort By Design

The **spring-loaded handle and control head** are **ergonomically designed** to maximize both operator control and comfort — delivering the ultimate in speed and maneuverability with minimum effort.



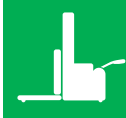
- Ergonomic, fingertip layout of the electronic lift, lower and horn buttons provide smooth, efficient operation.
- Rotary Thumb Controls are conveniently placed — just a light touch provides precise speed and directional control.



Perfectly Positioned

Manual levers for lift/lower and tilt control are located on the top right of the WCX's power unit where they're easily accessible to operators. Manual lift/lower levels are available as an option on WSX models.

Optional auxiliary lever shown



Make It Your Own

We offer a wide range of optional equipment to tailor your UniCarriers stacker to meet the demands of your specific applications and the needs of your operators.



• Mast-Mounted LED Work Lights



• Manual Hydraulic Function Levers*



• Strobe Light



• On/Off Toggle Switch

- Travel Alarm
- Side Shifters
- Internal Hose Reaving
- Polished & Tapered Forks
- Various Drive Tire Options (WSX)
- Battery Gate Interlock Switch (for WSX 13.5" compartment only)



• Multi-Function Display



* Lift/Lower/Tilt Control and Auxiliary Hydraulic functions available. (Lift/lower levers are standard on the WCX.)

Option Availability

● Standard

○ Optional

	WSX	WCX
VEHICLE MANAGEMENT		
Brushless AC drive motor and DC pump motor	●	●
Electronic motor controller system with AC inverter	●	●
Multi-function digital display	●	●
Multi-function LCD display	○	○
Digital CAN-bus communications	●	●
Programmable performance parameters (requires service handset)	●	●
Motor and controller thermal protection	●	●
BRAKE		
Regenerative braking	●	●
Spring applied/electronically released brake system	●	●
MAST		
Side shifter	○	○
Internal hose reeving	○	○
HYDRAULIC SYSTEM		
Manual levers for lift/lower	○	
Manual levers for lift/lower/tilt		●
Manual levers for auxiliary hydraulic control function	○	○
OPERATOR CONVENIENCES		
Ergonomic control handle with rotary thumb travel control	●	●
Fingertip control of electronic lift, lower, and horn buttons	●	●
On/Off toggle switch	○	○
Mast mounted, low profile LED work lights	○	○
Amber strobe light	○	○
PROTECTION/SECURITY		
Large reversing button on handle	●	●
Adjustable battery retainers	●	●
Battery compartment rollers with side gates*	○	○
Battery gate interlock switches	○	
Reduced travel speed above free lift	●	●
Travel alarm	○	○
Electric horn	●	●

* Not available on WSX narrow battery compartment model.

Specifications

WSX-WALKIE STRADDLE STACKER MODELS

SHORT MODEL CODES	WSX30S	WSX30	WSX40S	WSX40
Load Capacity - lb (kg*)	3000 (1500)	3000 (1500)	4000 (2000)	4000 (2000)
Voltage	24	24	24	24
Tire Type - drive/load	Rubber / Poly	Rubber / Poly	Rubber / Poly	Rubber / Poly
Wheels - drive/load - number	1 x / 4	1 x / 4	1 x / 4	1 x / 4
Maximum Fork Height - in (mm)	152 (3850)	152 (3850)	152 (3850)	152 (3850)
Min Outside Turning Radius - in (mm)	67.8 (1725)	72.4 (1840)	67.8 (1725)	72.4 (1840)
Max Lift Speeds (Loaded/Unloaded) - fpm (mm/sec)	30 (152) / 50 (254)	30 (152) / 50 (254)	30 (152) / 50 (254)	30 (152) / 50 (254)
Max Lower Speeds (Loaded/Unloaded) - fpm (mm/sec)	50 (254) / 50 (254)	50 (254) / 50 (254)	50 (254) / 50 (254)	50 (254) / 50 (254)
Max Drawbar Pull (Loaded/Unloaded) - lb (Kn)	830 (3.7) / 888 (3.9)	830 (3.7) / 888 (3.9)	830 (3.7) / 888 (3.9)	830 (3.7) / 888 (3.9)
Max Gradeability (Loaded) - %	11.4	11.4	11.4	11.4
Battery Compartment Size - in	31.9 x 8.9 x 32	31.9 x 13.5 x 32	31.9 x 8.9 x 32	31.9 x 13.5 x 32

WCX-WALKIE COUNTERBALANCE STACKER MODELS

SHORT MODEL CODES	WCX30	WCX40
Load Capacity - lb (kg*)	3000 (1500)	4000 (2000)
Voltage	24	24
Tire Type - drive/load	Poly / Poly	Poly / Poly
Wheels - drive/load - number	1 x / 2	1 x / 2
Maximum Fork Height - in (mm)	152 (3850)	152 (3850)
Min Outside Turning Radius - in (mm)	69.4 (1765)	69.4 (1765)
Max Lift Speeds (Loaded/Unloaded) - fpm (mm/sec)	30 (152) / 50 (254)	30 (152) / 50 (254)
Max Lower Speeds (Loaded/Unloaded) - fpm (mm/sec)	50 (254) / 50 (254)	50 (254) / 50 (254)
Max Drawbar Pull (Loaded/Unloaded) - lb (Kn)	891 (4) / 1023 (4.6)	596 (2.7) / 1023 (4.6)
Max Gradeability (Loaded) - %	11.2	11.2
Battery Compartment Size - in (mm)	35.75 x 13.5 x 32 (905 x 340 x 815)	35.75 x 13.5 x 32 (905 x 340 x 815)

*Calculated at 600mm load center.

Built Like No Others.
Backed Like Nothing Else.



Quality, performance, reliability and efficiency — we believe that the same attributes that make a great forklift are also essential elements of an exceptional company. As a result we've built an organization that overlooks no detail in manufacturing material handling equipment that delivers the highest level of **performance and value** — and that stands behind our products with comprehensive service and support.

Our products are designed to produce maximum productivity without compromising operator safety. **They're built to exacting standards to maximize uptime.** They're scrupulously tested to ensure strict tolerances are met — and offered by a network of highly skilled, highly professional dealerships committed to customer satisfaction.

And when it comes to the environment, we put the same passion and energy into creating an effective sustainability initiative as we put into engineering our products. At UniCarriers, our mission is to **continuously move performance standards upward** — and to provide the support you need to **move your business forward.**

SB-WSX/WCX 12-2014
Printed in U.S.A.



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For more information, contact your Nissan Forklift by UniCarriers representative.

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