

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



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

When it comes to providing forklifts that make a difference for our customers and theirs...

We Never Quit.



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Electric Counterbalanced Forklifts
80 Volt AC-Powered
4,000 – 6,000 lbs. Capacities | Pneumatic Tire



QX Series

QX Series Applications

Bringing you the performance of an engine-powered truck but with zero emissions, the versatile QX Series is ideal for a wide range of indoor or outdoor applications, including:

- Food Products Companies
- Warehouse Operations
- Distribution
- Manufacturing



Look for these symbols for features available only on UniCarriers forklifts or that provide a proven performance advantage as compared to competitive trucks.



NEVER QUIT.

It defines our forklifts and the company that builds them.

Over the course of a century, the company known as UniCarriers took shape. As we grew and evolved into a US manufacturer with a global reach in nearly 100 countries worldwide, much has changed, but one thing hasn't: our mission. UniCarriers is committed to providing you with the ultimate in reliability, performance, and value.

And that commitment can be seen in the QX Series. It offers you the power of an internal combustion engine without emissions. Dependable, durable, and versatile, the QX Series has advanced features that drive down costs as it drives up productivity. It also delivers maximum operator comfort without sacrificing performance. Plus, it's backed by the best standard, limited warranty in the business. So, if you want a forklift that's better for your operation, better for your operators, and better for the environment, you want a QX Series truck.



Up Your UpTime

Discover reliability features that cut downtime and keep your business up and running



Comfort Zone

Your drivers and your entire operation will benefit from our comfort & productivity features



Power & Performance

100% AC motors and controllers are only the beginning of our performance advantages



Sweet Savings

The QX is designed to deliver you a low cost of ownership year after year after year



Play It Safe

Safety is everybody's business, and the QX is all business when it comes to safety



Control Freak

With the QX, you're in complete control when it comes to managing costs and productivity



Make It Yours

Already well appointed, the QX can be customized to meet your specific needs



To learn more, and a find a dealer near you, visit UniCarriersAmericas.com

Up Your UpTime

When it comes to keeping your operation up and running, the QX Series offers you significant advantages, beginning with 100% AC-powered, brushless drive and hydraulic motors that feature fewer parts for greater reliability. The QX also cuts downtime nearly in half with major maintenance required only every 1200 hours. Throughout the QX truck you'll find innovative and proven systems to help you maximize uptime, while minimizing cost.

100% AC

Stay Cool

Built-in thermal sensors help protect the motor and controller systems, promoting **more reliable performance**. A warning will flash on the LCD screen to advise the operator if overheating has occurred, followed by reduced travel and lift operations. Information is automatically locked into the truck's service history to assist the technician and speed servicing.

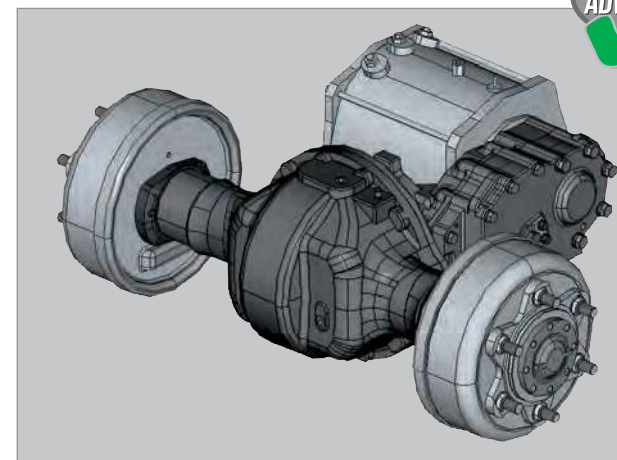
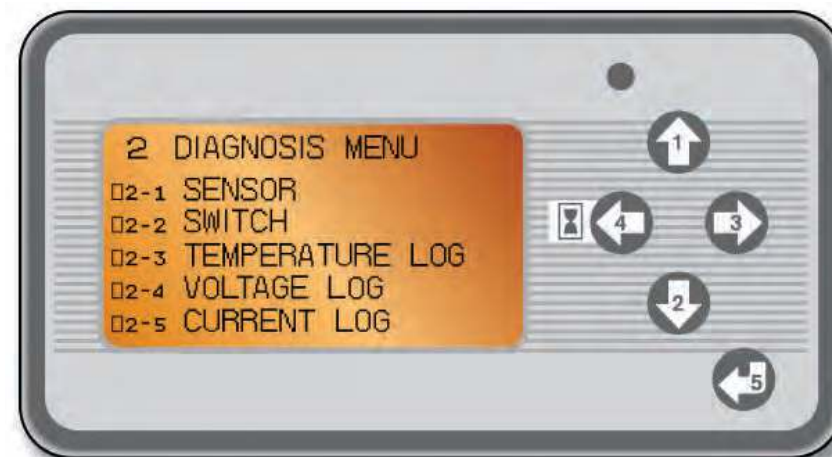


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FORKLIFT



Reduce Downtime through Self-Diagnostics

Integrated on-board diagnostics provides immediate truck status. Its intuitive dialogue display combined with accessible service history reduce troubleshooting time, so the unit is back in operation faster. Everything is done through a smart LCD panel. No handset device is needed.



Dependable Drive Unit

Our brushless AC induction drive motor has **fewer parts to maintain** and is perfectly matched to a simple, yet highly efficient, transmission. The result? Greater dependability and higher performance. The **drive motor is also mounted under the floorboard**, inside the truck's frame, for added protection against debris and damage.



Solid Pneumatic Tires Keep You Rolling

The solid pneumatic tires on the QX are **more resistant to wear or damage** caused by dock plates or pavement and won't go flat. **Wide drive tires are standard** on the 6,000 lb. model, and optional on smaller capacities.

Comfort Zone

When it comes to productivity, operator comfort is not a luxury, it's a necessity. That's why the QX Series features a spacious compartment with more than 41" of headroom and ergonomic advantages that reduce fatigue, simplify operation, enhance visibility, and allow precise handling. All to drive up the performance of your operators and the profitability of your operation.

We Thought of Everything

While other forklifts place the battery connector right under the operator's legs, on the QX it's positioned under the hood and away from the operator for more legroom. There's even a rubber floor mat for greater comfort and vibration absorption.



Clean, Quiet Performance

With its 80-volt motor, the QX Series delivers a quiet ride and zero emissions for a better operator experience, and an improved work environment for everyone in the area.



Full Suspension Seat

For enhanced comfort and shock absorption, the QX comes standard with a full suspension seat that features weight and back-angle adjustment as well as a retractable seatbelt and hip restraints. Cloth or optional vinyl seat is available.



Sure Footed Control



The QX Series features an open floorboard area with generous foot room. Plus, switching between the brake and accelerator is easier and safer thanks to our **heel-to-toe concept** that assures the pedals are at the same height when released.



Right at Your Fingertips

An **adjustable armrest with electronic fingertip control** is available as an option. Choose between a single joystick for simultaneous lift/tilt or a multi-lever design.

Auto-tilt leveling system brings the forks horizontal at the touch of a button, enabling quick, easy positioning of the forks for greater efficiency. This option is available with the multi-lever control.



In Control

For precise load handling, the hydraulic controls are ergonomically placed and deck mounted. There is also an automotive-style forward/reverse control lever with integrated auto-return turn signals and headlight switch.

Steering You In The Right Direction

The QX features on-demand electronic power steering for easier, more responsive handling. Plus, the steering column has an infinitely adjustable tilt angle for truly customized comfort.





Power & Performance

When it comes to lift & travel speeds, the QX Series delivers **superior performance, comparable to engine-powered trucks**. Thanks to its 80-volt technology it offers all of this power without emissions. And, because of its higher voltage, the QX requires less amperage to complete the same amount of work as 36- or 48-volt designs. So, compare a QX to other brands and you'll see, there's simply no comparison.



The Power to Lift Your Whole Business

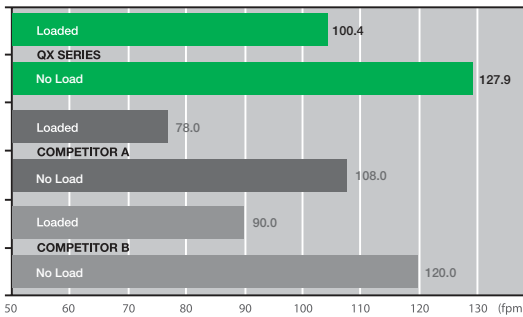
Our rugged mast features rolled steel channels and thick inner rails for **increased capacity retention**. The side thrust rollers on the fork carriage are also easily accessible for simpler carriage adjustments.

Superior Performance

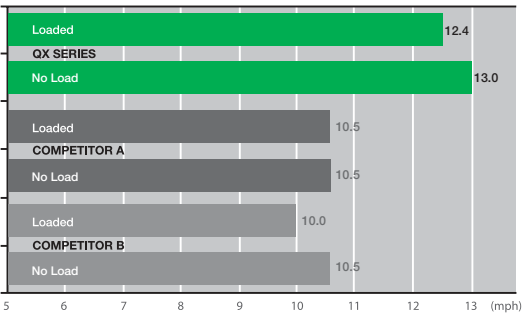


Faster lift speeds. Faster travel speeds. We compared the performance of a QX Series truck with its leading competitors, and when it comes to productivity-enhancing performance, nothing delivers like a QX truck. That means you can do more — more quickly, more efficiently, and more profitably.

Lifting Speeds*



Travel Speeds*



* Lift speeds based on 4000-lb model. Travel speeds based on 5000-lb model.

3+1 Performance Modes = Greater Productivity

The QX Series features adjustable settings to optimize performance based on the application, work environment or operator experience. Choose from the three factory-set modes (see below) to easily customize your lift truck. The QX also has a manual mode to create unique settings, finely tuned for your operator and operation.



- E Economy Mode**
Extended operating hours achieved with only slightly reduced performance
- P Power Mode**
Offers mid-range settings for normal performance needs
- H High Power Mode**
To reach maximum desired performance
- M Manual Mode**
Provides access to customize performance parameters



Powerful Pneumatics to Tackle Your Tough Jobs

The QX Series features a wider stance and **higher under clearance** for applications that have rough ground conditions or flooring, and yet has a **small enough turning radius** to work in areas where a cushion tire forklift would normally be used.

Choose from four models ranging from 4,000 to 6,000 pounds lifting capacities. Larger battery compartment models are available for extended work intervals.



Make Fast Work Out of Your Work

The QX Series' 80-volt technology delivers adjustable acceleration and **productivity-enhancing speeds comparable to engine-powered trucks**. Since the higher voltage system requires less amperage to get the job done, there's less potential for heat build-up, resulting in longer component life.



Sweet Savings

The QX Series saves you money in all kinds of ways. The positioning of its motors shields them from debris and damage – saving you money. The 80-volt system reduces possible heat build-up for longer component life. Saving you even more money. The AC motor features fewer parts. Saving you money yet again. Wherever you look on a QX, you'll find money-saving innovations. So, considering how economical a QX is, can you afford not to own one?



Save Precious Battery Power

Industrial batteries can be a significant part of your operational expenses. The QX incorporates power saving features to optimize battery usage so you can get the most out of your investment.

- Advanced regenerative technology **reclaims power** from five different operations, lowering power consumption and **reducing component wear** through less heat generation — to keep your equipment **operating longer**, with less time in the charging bay.
- An **auto power-off** cuts the electrical system if the forklift sits idle. Select an allowable idle time between 15 and 60 minutes before the vehicle powers down.
- On-demand power steering system** draws battery power only when required.

- | | |
|---|----------------------------------|
| 1 | Switchback regeneration |
| 2 | Foot brake regeneration |
| 3 | Accelerator-off regeneration |
| 4 | Controlled rollback regeneration |
| 5 | Lifting/lowering regeneration |



Fewer Motors to Maintain

The 100% AC-powered system on the QX features brushless drive and pump motors and a single contactor. The **steering system is electronically controlled and powered through the hydraulics**, thus eliminating the need for — and added expense of — a separate steering motor.



Programmed Savings

Program the forklift's settings so travel speed is reduced once the driver's foot is removed from the accelerator during operation. This standard deceleration feature **draws less energy and extends brake life**.



Our Overhead Guard Reduces Your Overhead

Beyond ample headroom, the five-piece overhead guard takes **75% less time to make needed replacements** versus most competitors' single-piece, welded-on guards. That cuts downtime and costs.

Extended Maintenance Schedule

With the QX Series, major maintenance is required only every 1,200 hours. So you spend more time working — not working on — on your trucks.



To learn more, and find a dealer near you, visit UniCarriersAmericas.com

Play It Safe



Safety is everybody's business, and when it comes to helping you create a safer operation, the QX Series is all business. Throughout a QX, you and your operators will discover innovative technology and essential systems that will help protect your staff, your inventory and your facilities. All without sacrificing performance. It's a safe bet, you'll get more out of a QX truck.

Greater Stability

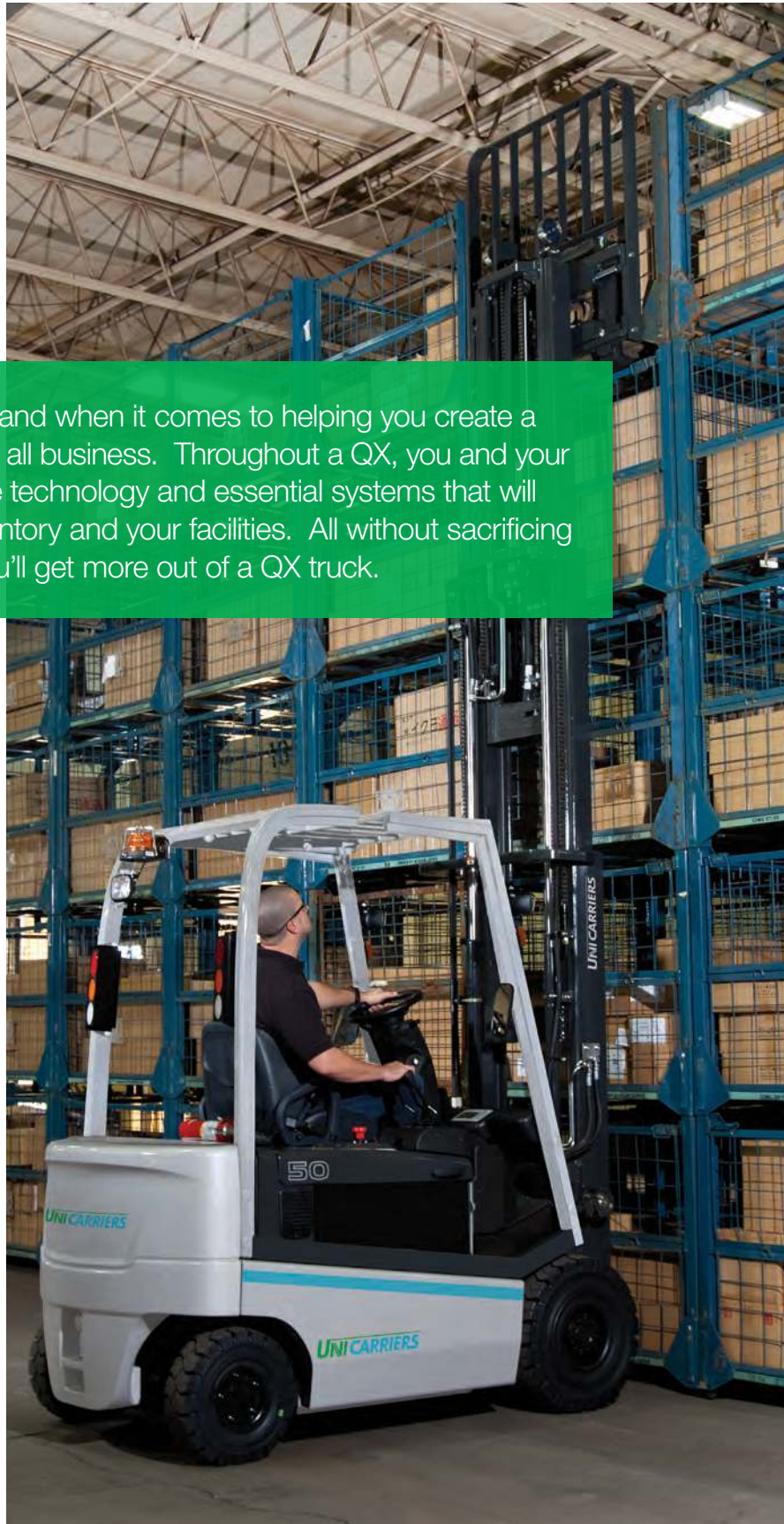


The QX achieves a **low center of gravity** by placing the battery deeper into the truck. This design advantage results in **outstanding stability and balance with greater capacity retention during high lifts**.

Visibly Better

All QX Series models are equipped with the following standard features:

- Overhead guard mounted headlights
- Side view mirrors
- Turn signals
- Rear combination turn, stop and back lights
- Rear work light



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Operator Presence System



This comprehensive system includes a **seat-actuated power interrupt with mast-lock**, automatically preventing lift and tilt operations if the operator leaves the seat. The **return-to-neutral** feature minimizes forklift movement if the operator leaves the truck while still in gear. Other audible and visual warnings come standard, including **parking brake warning and seatbelt alarm**.



Forward Thinking Back Up Alarm

Our back-up alarm provides plenty of notice to pedestrians and other drivers in the area. For applications with varying noise levels, there is an optional self-adjusting alarm that adjusts sound volume based on ambient noise levels.



Parking Brake Alarm

As part of the Operator Presence System, a warning buzzer alerts the driver if he **leaves the seat without first setting the parking brake**.

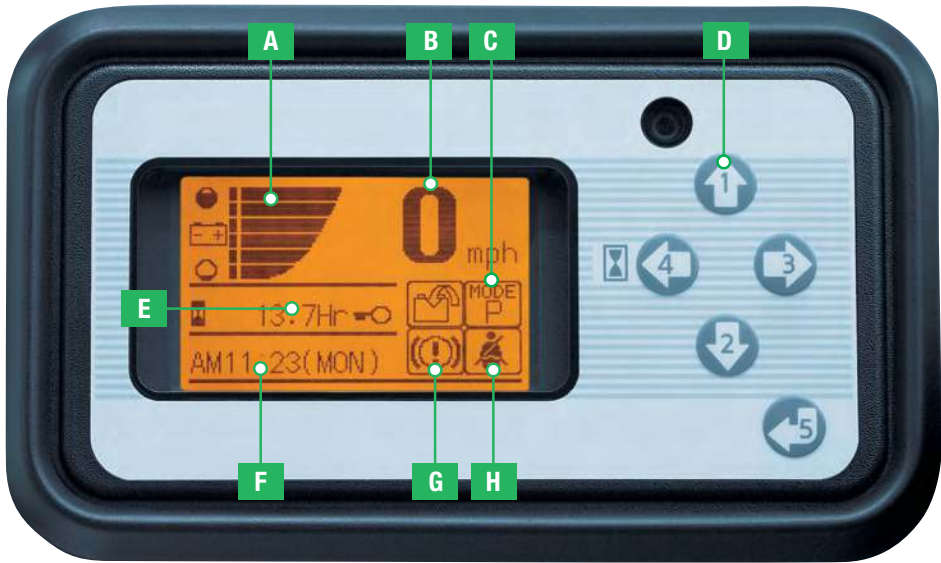


Control Freak

The QX Series is all about control – it starts with controlling costs and extends to giving operators complete command over their vehicle, their work, their environment, and your facilities. From logically positioned controls to precise, consistent truck movements to detailed information at your fingertips, the QX always puts you and your operators in the driver's seat.

The Ultimate in Control

The interactive meter panel on the QX provides operators and technicians with a wealth of information through its LCD warnings and readouts. Using the numbered function keys you can program settings, perform maintenance tasks, and access service history.



Our multi-function display provides an at-a-glance view of critical functions:

- A Battery discharge indicator
- B Speedometer
- C Performance mode
- D Function keys
- E Hour meter reading — 4 operational modes
- F Clock/alarm & acceleration level
- G Parking brake warning
- H Seat belt warning

Ramp Up the Power

Tough applications, including frequent ramp climbing, are no challenge for the QX Series. For maximum control, the QX includes **controlled rollback** that uses regenerative braking to automatically maintain a slow, consistent speed on a ramp or incline when the accelerator pedal is released, and eliminates the need for continuous brake pedal force by the operator.



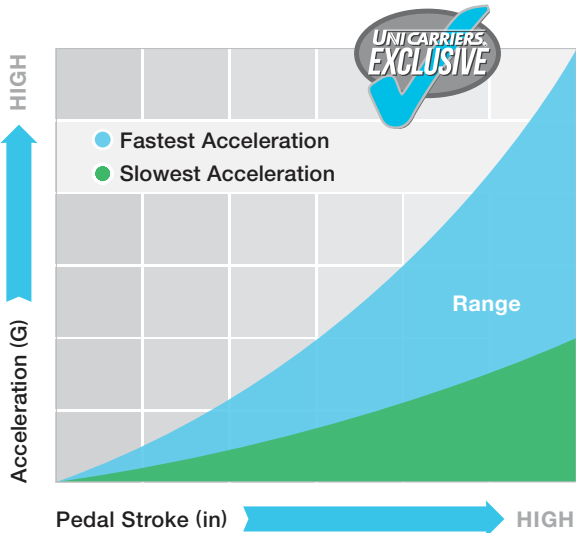
Password Protected Security

Using a PIN code/password entry feature helps **assure that only authorized drivers are operating your QX**. Up to five unique performance settings can be created, based on application and/or individual operator skill level.



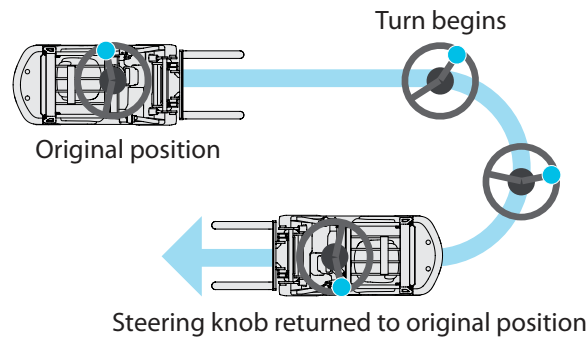
Sensitive to Your Acceleration Needs

With our exclusive Flex-Logic system, the quicker the accelerator pedal is depressed, the faster our QX Series will respond to your command for speed. This feature is ideal for fast paced operations and where long runs are common. Operators can also maintain a slower acceleration rate by reducing their pedal force when pedestrians are present or in more confined areas of the warehouse. In addition, the operator can adjust the acceleration rate through the meter panel, for even faster or slower response.



Keep Things on the Straight and Narrow

Our optional **steering synchronizer** uses a sensor that monitors the steering wheel and tire angle so the steering knob is always returned to the same position. This **assures accurate and consistent coordination of the steering wheel and tires** for precise steering operation.



Small Diameter Steering Wheel

Our small diameter steering wheel features a standard spinner knob to maximize maneuverability and operator confidence.



Make It Yours



Already loaded with standard features, a QX truck can also be customized for your unique applications and needs. You can choose from a variety of performance enhancing options. If you don't see what you need, contact your authorized UniCarriers dealer for more options.



• Strobe Light



• Fire Extinguisher



Lower Overhead Guard

Designed with an 83.7" height design for more confined, height-restricted areas.



Fingertip Controls

Increase operator productivity with ergonomic hydraulic controls. Choose single joystick or multiple lever designs.



Blue LED Pedestrian Awareness Light

Reverse driving actuates an optional blue spotlight to illuminate the floor, for advanced visual warning.



Sideshifter

Operators will experience greater efficiency due to fewer required moves when storing and retrieving loads. Choose from integral or hang-on designs.



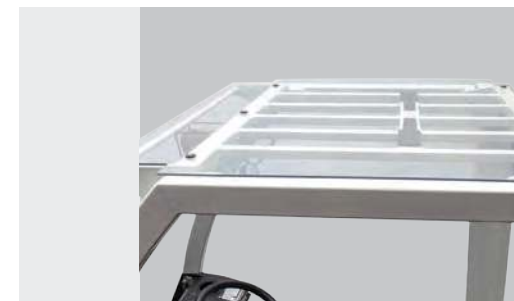
Freezer Package

For operating in cold storage and freezer environments in temperatures as low as -31° F (-35° C) – includes special hydraulic oil and steel tubing, rubber floor mat and cylinder boots.



Accumulator

Ideal with fragile loads. Feature absorbs shocks transmitted while driving over uneven or cracked floors to make load handling and travel smoother.



Polycarbonate Overhead Guard Cover

Prevents small debris from entering the operator compartment through the overhead guard.



Steering Synchronizer

Sensor monitors steering wheel and tire angle, adjusting the steering wheel knob for precise turns and steering operation.



Higher Steering Wheel

High or low steering columns to enhance operator comfort and productivity.

Option Availability

Standard

Optional

VEHICLE MANAGEMENT	
AC TECH motor controller system	●
Interactive LCD Meter panel with adjustable performance settings	●
Operator security PIN access	●
3 pre-set performance modes (Economy, Power, High Power)	●
1 Manual (custom) performance mode	●
On-board diagnostics, self test and coded service history	●
Low battery Lift Interrupt System	●
Controlled rollback	●
BATTERY/ELECTRICAL	
80 Volt system	●
BRAKE	
Hand-applied parking brake with warning buzzer	●
5-mode regenerative braking	●
HYDRAULIC SYSTEM	
Deck-mounted control levers	●
Electronic fingertip control levers (separate lift and tilt or single lever)	○
Auto-fork leveling*	○
Accumulator	○
OPERATOR CONVENIENCES	
Full suspension seat with weight adjustment	●
Overhead guard-mounted headlights	●
Glass rearview mirrors	●
Rear combination light package (turn, stop, back-up)	●
Rear work light	●
Strobe light	○
Steering wheel with spinner knob	●
Magnetic convenience box	○
Low overhead guard (83.7")	○
PROTECTION/SECURITY	
Operator Presence System with return-to-neutral & seat-actuated auto-mast lock	●
Back-up warning alarm	●
Self-adjusting back up alarm	○
Fire extinguisher	○

Some options may require additional lead time. Consult your local authorized UniCarriers Dealer for details.
*Only available with fingertip control option with separate lift and tilt levers. Other restrictions apply.

Specifications

SHORT MODEL CODES	QX40	QX50	QX50L	QX60
Capacity lbs	4,000	5,000	5,000	6,000
Voltage	80	80	80	80
Max Travel Speed Loaded/Unloaded mph (km/h)	12.7 / 13.0 (20.5 / 21.0)	12.4 / 13.0 (20.0 / 21.0)	12.4 / 13.0 (20.0 / 21.0)	11.5 / 13.0 (18.5 / 21.0)
Max Lift Speed – loaded fpm (mm/sec)	100.4 (510)	92.5 (470)	92.5 (470)	88.6 (450)
Max Lift Speed – unloaded fpm (mm/sec)	127.9 (650)	127.9 (650)	127.9 (650)	108.3 (550)
Min. Outside Turning Radius in (mm)	78.4 (1990)	78.4 (1990)	84.3 (2140)	84.3 (2140)
Overhead Guard Height in (mm/sec)	88 (2235)	88 (2235)	88 (2235)	88 (2235)
Battery Compartment Size* in (mm)	28.18 x 40.66 x 31.65 (715 x 1030 x 800)	28.18 x 40.66 x 31.65 (715 x 1030 x 800)	33.85 x 40.66 x 31.65 (855 x 1030 x 800)	33.85 x 40.66 x 31.65 (855 x 1030 x 800)
Battery Ah - min / max	480 / 620	480 / 620	600 / 775	600 / 775

*L x W x H



Power, performance and reliability...all backed by the best standard limited warranty in the business!*

- 2 Years
- Unlimited Hours

* Contact UniCarriers Americas for specific details, limitations, and exclusions.