CROWN

RR 5200

Series

A design born in the real world. It's why the Crown RR 5200 Series meets your toughest expectations. We understand the demands of high throughput duty cycles, because Crown engineers and designers spend time with users gaining insight on critical performance factors. This knowledge allows Crown to build lift trucks that deliver a responsible approach to providing maximum performance when greater lift capacities, travel and lift speeds are required. Throughout the design cycle, individual components, systems and the truck itself undergo extensive testing at Crown's laboratories and test center

RR 5200 Series...

A family of reach trucks that meets the toughest expectations.

to ensure performance, reliability and the lowest total cost of ownership. Crown's RR 5200 Series will prove its value in your application. That's where we begin to exceed your expectations.

RR 5210

RR 5220*

RR 5210

Powered by a 24-volt battery, the Crown RR 5210 reach truck is ideal for smaller facilities (under 250,000 sq ft). It offers reliable, competitive performance, along with the standard innovative features of the RR 5200 Series family.

RR 5220

Facilities over 250,000 sq ft typically benefit by applying the power of Crown 36-volt reach trucks. The Crown RR 5220 offers enhanced productivity over the RR 5210 with higher lift capabilities and faster lift and travel speeds.

** Shown with Double Reach, available on RD 5220, RD 5260S and RD 5280S lift trucks.*

RR 5260S

RR 5280S

RR 5260S

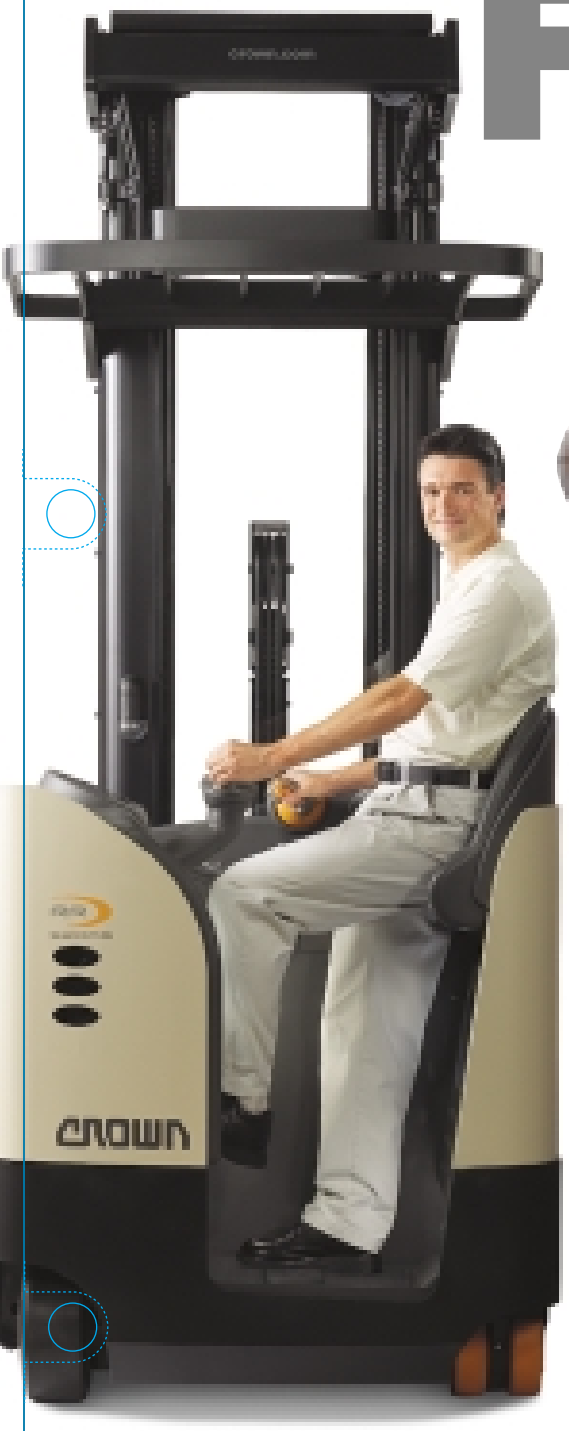
When there's a need for heavy usage, the RR 5200 Series S Class reach trucks meet the need with superior performance. The Crown RR 5260S offers the **fastest lift and travel speeds in the industry, along with the greatest capacities.**

RR 5280S

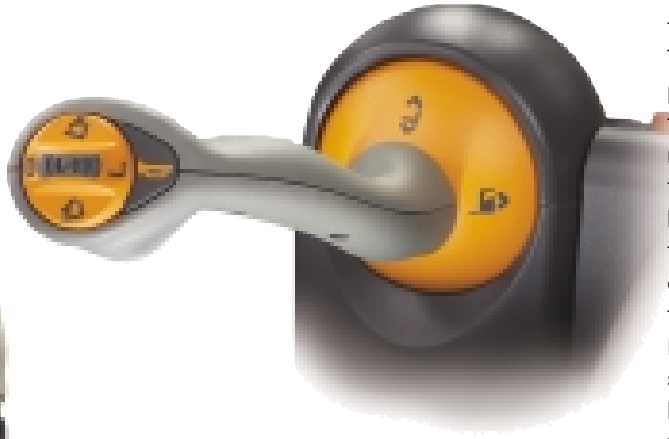
Designed to maximize operator productivity, the Crown RR 5280S offers superior performance, flexibility and comfort. **Operators can sit, lean or stand,** depending on the needs of the task, and further improve productivity with additional adjustability and fatigue-reducing features.

Innovation at work... features that drive performance span the entire RR 5200 reach truck family.

The Human Factor



Performance begins and ends with the operator.



Crown is known for the human factor, and the RR 5200 Series family is no exception. Common performance features across the family prove the benefits of designing from the operator's perspective. For over thirty years Crown has continued to enhance the performance features in the operator compartment to reduces fatigue that slows down operators. The side stance with its padded surfaces, suspended floorboard and superior thermal management work together to eliminate discomfort and help reduce fatigue. These features also maximize operator control, flexibility and productivity. The Multi-Task Control Handle adds to operator stability and supports faster load handling by blending tasks such as travel, lift and reach. Its ergonomic design has been proven to make the complete range of reach truck functions easier for operators to learn and use. In addition, hydraulic functions (lift, reach, sideshift) are infinitely variable to provide precise, smooth control. A lower step height on the RR 5200 Series is another benefit of our human factor design, facilitating entry and exit for productivity improvements.

An expanded footwell on the RR S Class allows the operator to change positions for postural relief and fatigue reduction.

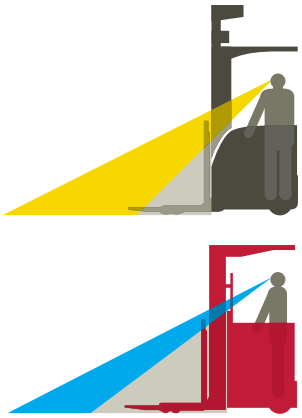
An entry bar, with sensors to automatically slow truck travel, encourages safe foot positioning inside the truck.

Visibility

Variable Side Stance is accomplished by allowing the operators to comfortably and correctly position themselves within the Crown operator compartment, virtually eliminating any blind spots during travel.

- **Crown Visibility**
- **Blind Spot**

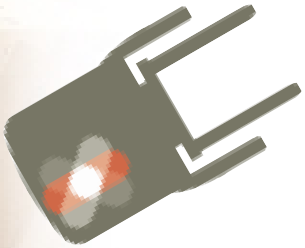
No other reach truck in the industry has better visibility than the RR 5200 Series. The lower profile power unit provides unmatched visibility of the forks. Other innovations include a high visibility mast achieved by combining nested mast rails, efficient component routing, beveled edges on the overhead guard and specially angled tie bars. The RR 5200 Series gives your operators a better view of what's going on around them, which gives you improved productivity and safety advantages all around.



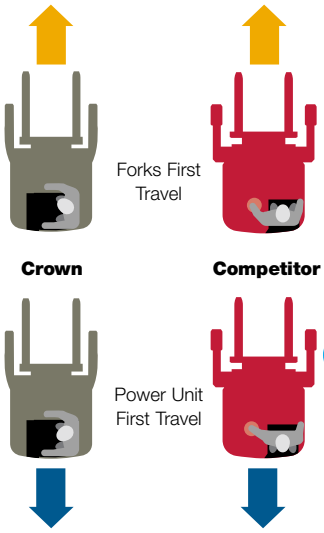
- **Crown Forward Visibility**
- **Competitor Forward Visibility**
- **Obstructed View Area**

Variable Side Stance

Variable Side Stance further demonstrates Crown's leadership in performance-enhancing innovations. Design integration of floorboard space, pedal position and control point location allows the operator to utilize true Variable Side Stance allowing 360-degree visibility without interrupting control point orientation during travel and load-handling tasks. More important, Variable Side Stance eliminates awkward and unsafe positioning of the fore/aft stance, especially while traveling power unit first. With the Crown RR 5200 Series, your operators aren't forced to travel with their hands on the controls behind them or twist their upper bodies to see where they are going. Introduced by Crown in 1972, side stance has now been adopted as the standard by most lift truck manufacturers.



Variable Side Stance positions the operator for maximum effectiveness and forward/reverse visibility during travel and load handling functions. The operator's control orientation remains constant.



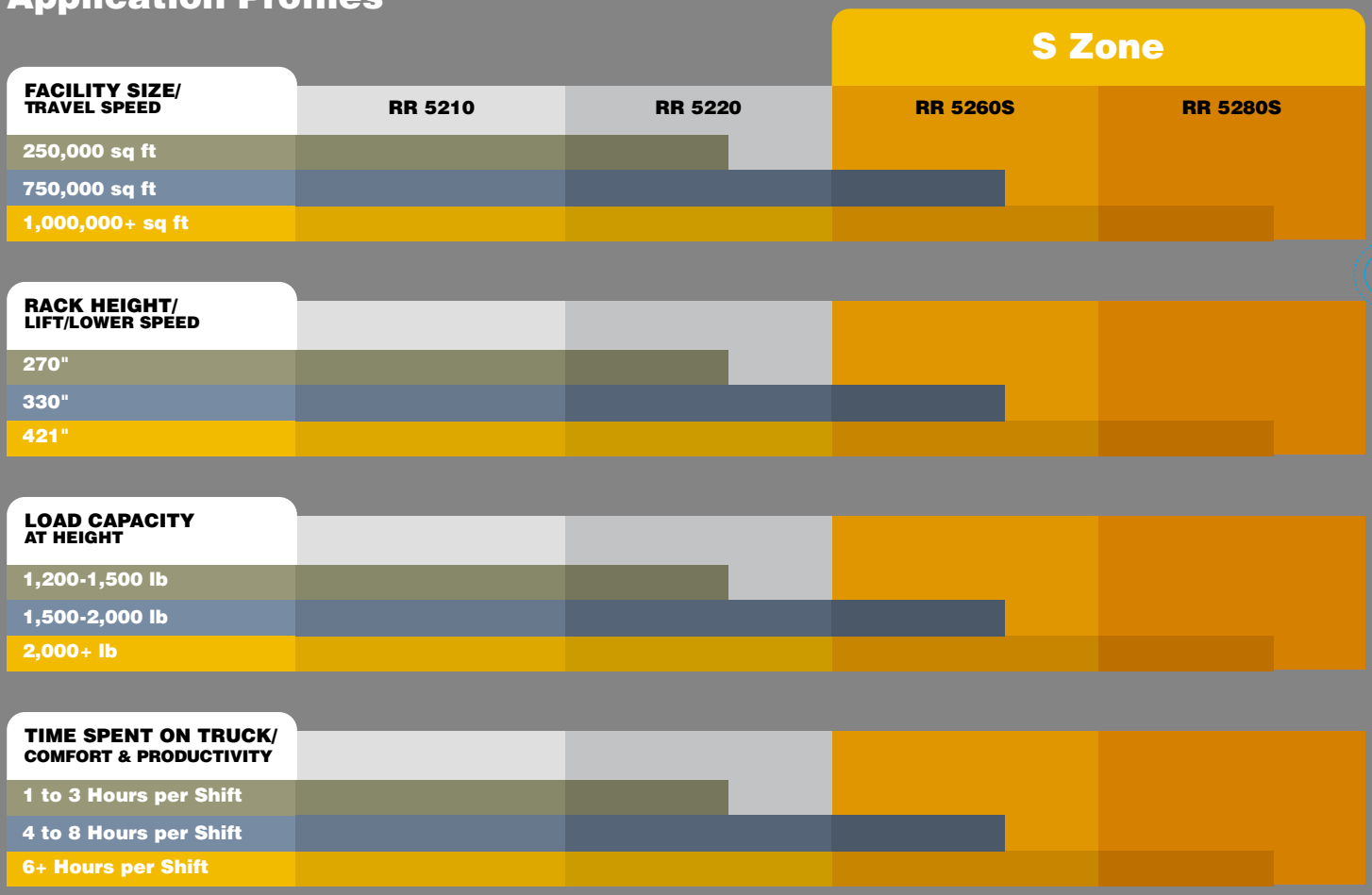
Applications drive performance

The best value and performance for your application.

The Crown RR 5200 Series was designed to meet this objective. What is the right performance for your facility? What capacities do you need? What are your usage requirements? What does it take to make your operators more efficient?

How can you achieve the lowest total cost of ownership? Don't be misled by comparisons designed to confuse. Compare Crown against the others based on your needs. We're convinced you'll find your answer in the Crown RR 5200 Series.

Application Profiles



INTERMITTENT DUTY

If your application fits this category, the rugged, reliable performance of RR 5210 and RR 5220 reach trucks may be ideal, without paying for more power than you need.

MEDIUM DUTY

Many reach truck applications are considered medium duty, mainly due to the hours of use per shift. The RR 5220 meets these demands and outperforms its competitors. Significant productivity improvements in these applications can be gained with the RR 5260/80S Class.

HEAVY DUTY/S Zone

Unless you have an intermittent duty application, most reach truck work occurs in the S Zone. And the S Zone is where the superior performance of the RR 5260/80S Class trucks provide unmatched productivity.

S Class

The most power anywhere

Nothing else stacks up to the RR 5200S Class. It gives you superior performance and power where it counts most, in your typical demanding applications. Exactly how does it qualify as superior? The S Class gives you the industry's fastest lift speeds, fastest travel speeds, greater capacities at higher elevations and unmatched comfort and control to keep your workers at the highest levels of productivity longer. It all stacks up to superior value for you.

S Class: Superior Performance

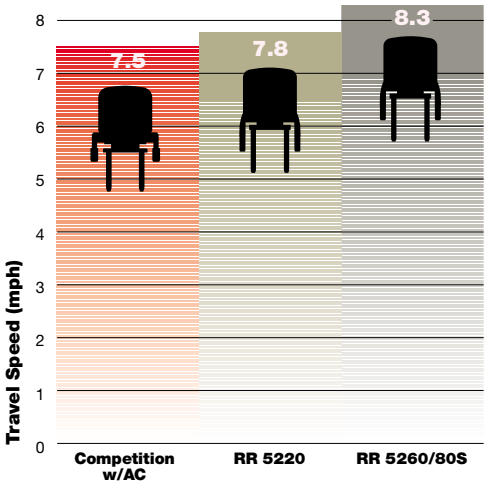
RR 5260S and RR 5280S... providing maximum performance under control.

It's never the truck alone. Superior performance requires the operator's participation. That's why we've stressed the responsible use of technology for years at Crown. More control is built into the entire RR 5200 Series family to enhance safe practices and the operator's skill level. For example, performance profiling allows travel speed to be set at one of three different settings. Our integrated control system knows which direction the truck is traveling and whether it is loaded or empty. It reduces travel speeds if traveling forks first, or with the load backrest above collapsed height. And lowering speeds are reduced depending on the load weight. The optional capacity monitor will show the approximate load weight and will indicate to what height the load can be placed. You automatically benefit from industry-leading performance when you need it. So at the end of the day, more work is done, safely and confidently.

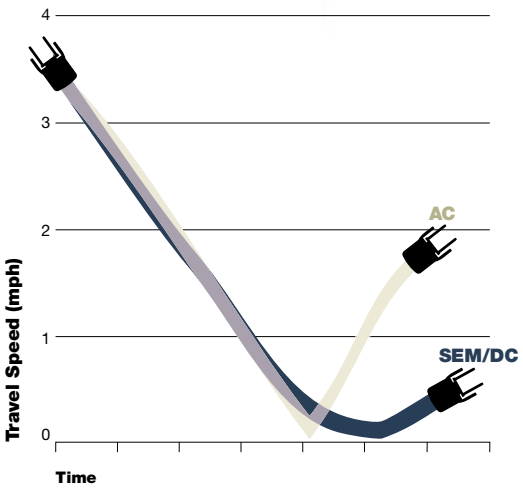
Fastest Travel

At 8.3 mph, the S Class offers the fastest reach truck travel speeds in the industry, AC or SEM/DC. In fact, **our travel speed is 10 percent faster** than the competitor's fastest reach truck. This S Class performance characteristic is a great advantage if your operators travel long distances. If your application requires short shuttle distances with plugging, Crown's AC traction control enhances acceleration, enabling you to cover shorter distances quicker, and shortens the plug reversal. Excellent visibility and efficient operator positioning on the RR 5200 Series family give the operator confidence to reach the end of the aisle sooner and maintain safe braking distance.

Reach Truck Comparison: Travel Speeds Empty – Power Unit First



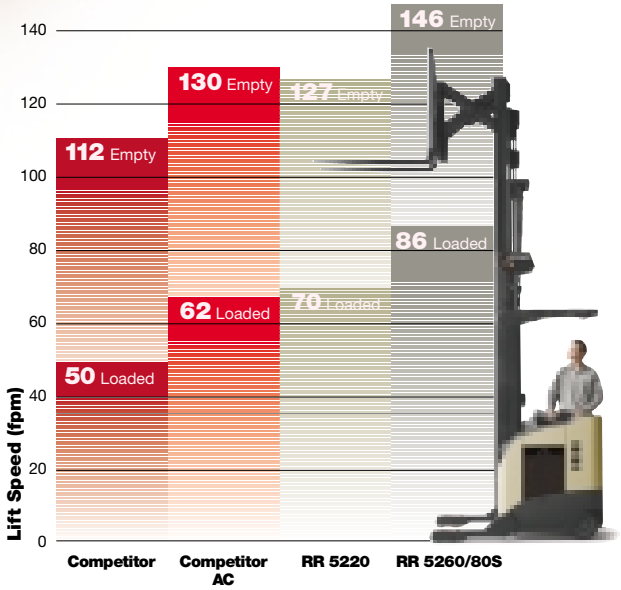
RR 5260/80S Empty Plug Reversal from Top Speed – Power Unit First to Forks First



The industry-leading lift speeds of the S Class are even more impressive. We give you a **38 percent speed advantage loaded and a 12 percent advantage empty** over the competition. This speed advantage results in more pallets moved per shift, enhancing productivity and throughput. Additional efficiencies can be gained by adding optional features such as Rack Height Select and Tilt Position Assist. The superior lift speeds on the RR 5200 Series S Class deliver unmatched performance anywhere, anytime.

Fastest Lift

Reach Truck Comparison: Lift Speeds Empty/Loaded



Greatest Capacities

With the S Class, you can expect a **19 percent capacity advantage** on average allowing you to store the typical maximum load (2,500 lb) at top rack slots. You'll see the greatest benefits in how the S Class helps your operators accomplish more work in less time when positioning heavy loads at heights. It's achieved through our sturdy mast assembly combined with our additional chassis weight to reduce load and mast movement. Unlike other reach trucks, the RR 5200 Series has the extra stability and weight required to handle any capacity with confidence.

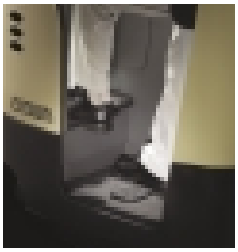
The RR 5260/80S operator compartment provides productivity breakthroughs focused on ideal positioning for performance and control.

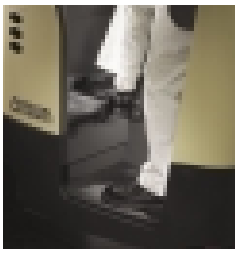
Sit Position

Lean Position

Stand Position

Unmatched Comfort and Control





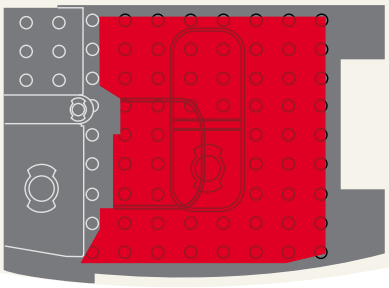
The infinitely **adjustable steering tiller** works independent of the adjustable seat and armrest, offering operators of virtually every size and shape maximum comfort and control.

Multiple pedal and foot positions provide flexibility for greater postural relief.

The operator affects cost of ownership and reach truck performance more than any other factor. And the S Class contributes more to operator productivity than any other narrow-aisle reach truck. Operators have more room to move, with more flexibility and less fatigue, because the S Class features the largest operator compartment space and floor-board in the industry. While the increased compartment space is accomplished through a 48" wide chassis, the RR 5260/80S still maneuvers easily in a nine to ten foot wide aisle. The RR 5280S further enhances productivity with other innovative features. Your operators can quickly change between three levels of postural support (sit/lean/stand) depending on the task at hand. The adjustable seat, backrest, armrest, steering tiller and Multi-Task Control Handle also help optimize performance and comfort for the individual needs of each operator.

● **Crown RR 5260/80S**
● **Competition**

The S Class gives the operator more room to move with **49 percent more foot room** than the competition.



Think big in smaller spaces

Get more out of the cube.
The Crown RR 5210, with its 24-volt system, helps you solve problems associated with smaller facilities: tight spaces, hard-to-reach areas and wasted space due to wider stacking aisles.

Expanding your facilities isn't your only solution. The Crown RR 5210 reach truck may allow you to take advantage of available space and increase cube utilization. With the RR 5210s maneuverability, capacities and lift heights, you can simply get more out of the cube. You can capitalize on narrow aisles and the ability to stack products higher, while your staff

RR 5210

can move products faster. The RR 5210 incorporates nearly all of the features of the RR 5200 Series family proven to add performance in any application. The operator compartment with Variable Side Stance, Multi-Task Control Handle, padded surfaces and suspended floorboard all improve your operator's ability to perform faster and more effectively. The high visibility mast and power unit, as well as entry bar, further enhance productivity and safety.

More power to move

Reliable 36-volt power.
The Crown RR 5220* gives you additional performance over the RR 5210 with its powerful 36-volt system. How do you determine whether the RR 5210 or RR 5220 is right for your application? Travel distance and lift heights are key. If your operators have longer runs or many lift tasks, you could benefit from the faster travel and lift speeds on the RR 5220. The additional power of the RR 5220 has other material handling advantages as well.

Shown with Double Reach, available on RD 5220, RD 5260S and RD 5280S.

RR 5220

It gives you higher capacities, as well as the ability to stack product up to 400". The RR 5220 is also available in a deep reach configuration, so you can take advantage of greater storage density. You also have the option to add the Productivity Package on the RR 5220, which provides faster travel and faster fork-lowering speeds.

The path to innovation and reliability.

Crown's leadership through innovation can be seen beyond lift truck ergonomics. Innovation was again apparent when Crown constructed a complete Testing and Measurements Laboratory in 1998, providing in-house testing for individual components. The laboratory is equipped to confirm that components are designed to withstand shocks and vibrations, severe temperature and humidity changes, as well as static electricity and electrical connection fatigue. Our commitment to vertical integration ensures that all individual components within the traction system, hydraulic system or structural system are balanced for optimum performance. The final phase of vertical integration is testing under simulated real-world conditions where we confirm dependability, reliability and performance.

You benefit from years of study and ongoing research at Crown's Test & Measurements Laboratory, the Structural & Reliability Test Laboratory, and the Vehicle Test Center.

Reliability under Pressure

Proving system design drives uptime.

Durability runs deep in the Crown RR 5200 Series. It's backed by rigorous testing at our Vehicle Test Center under a variety of conditions. Braking with maximum loads. Lifting and lowering while handling varied weights. Acceleration and travel over severe floor surfaces. Enduring freezer conditions. All of our extensive tests are designed to give you the highest assurance of uptime. It's an integral part of our design.

The Crown RR 5200 Series takes superior performance further, lowering your total cost of ownership. Durability is assured with components and systems designed and tested to fit the application. The proven service innovations, developed for the RR 5200 Series, also drive value. Crown's Access 1 2 3® technology features an automated fault detection system to immediately pinpoint any lift truck problem to the exact component... simplified diagnostics, which can be performed while truck functions are operational... InfoPoint®, "information nuggets" to simplify service... and fewer components. Uptime has never been so simple or well-planned.

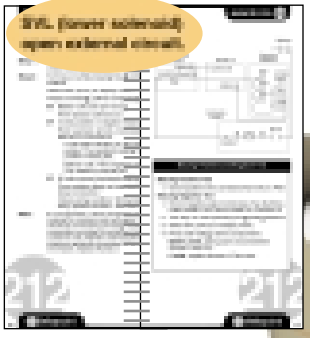
Uptime by design

The fastest, easiest, most thorough diagnostics.

Service Simplicity

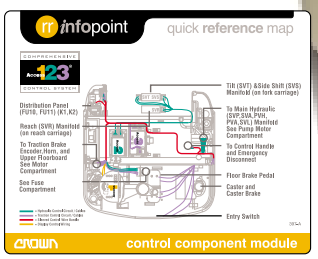
Step 1

If forks can't be lowered, the operator sees a code on the Access 1 display (in this case 212), easily found in the Quick Reference Guide on each RR 5200 truck.



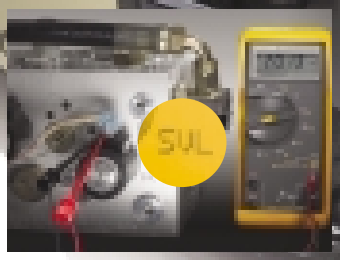
Step 2

The Quick Reference Guide identifies **what it is** and **what it does:** "SVL (solenoid valve for lower) has an open circuit."



Step 3

The InfoPoint map, located on the power unit wall, provides the third critical piece of information: **where it is.** It also clearly displays the associated component wiring.



Step 4

Through the Access 1 display, a technician can simply drive the suspect component (SVL) and verify its operation, applying full battery voltage and current (not continuity from a volt meter). In this case, if power is present, then the SVL solenoid would require replacement. Problem solved, quickly and accurately.

No other lift truck manufacturer has done more to advance service simplicity than Crown. Our exclusive information-on-time approach to service helps technicians quickly and accurately determine what is faulty and what isn't. **Access 1 2 3** technology provides immediate access to critical information on any fault condition, telling your technicians **where it is, what it is** and **what it does.** These 3 Ws are the foundation of service simplicity, and they're unique to Crown.

Technicians can also drive each component, including motors, with full operational currents and voltage, regardless of the fault condition. Only Access 1 2 3 distinguishes between electrical, hydraulic or mechanical systems for precise diagnostics that eliminate guesswork. This significantly reduces service time, eliminating the need for inconclusive continuity checks or random component replacement typically required on other lift trucks.

InfoPoint, developed as part of the original Access 1 2 3 system, allows your technicians to troubleshoot without complicated schematics, wiring diagrams or cumbersome service manuals for over 95 percent of your repairs. Simplicity is complete with the InfoPoint Quick Reference Guide, component maps and information nuggets. These nuggets, located throughout the truck, depict component location, function and working connections.The InfoPoint system greatly simplifies the diagnostic process.

Everything that contributes to performance on the Crown RR 5200 Series also assures you of uptime and the lowest total cost of ownership:

- Testing and research in Crown dedicated facilities.
- Crown-manufactured components and systems.
- Diagnostics that go deeper than any other reach truck.

We understand truck uptime also means operator uptime and that the operator is the most expensive component in the total cost of ownership equation.

Lowest total cost of Ownership

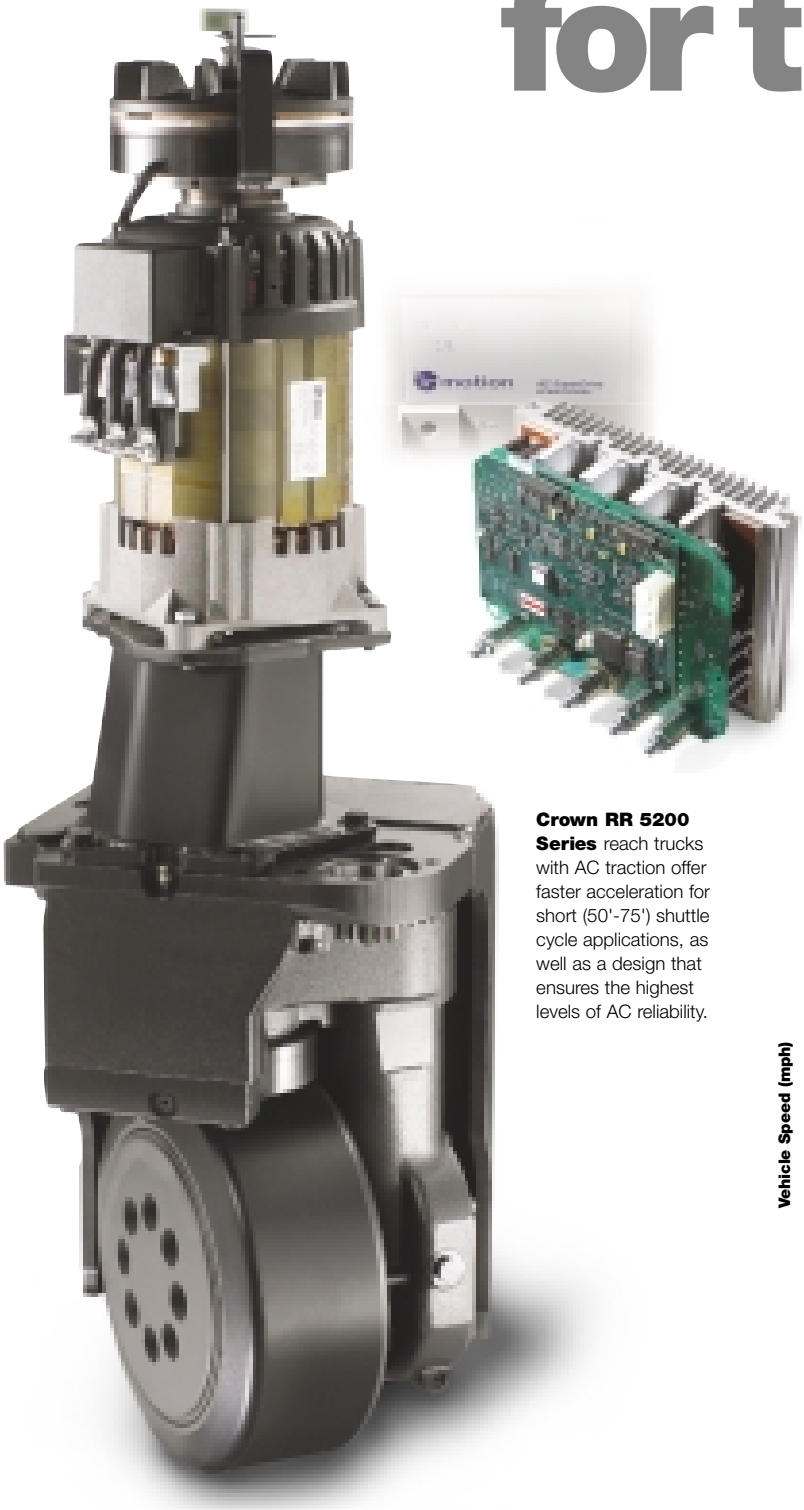
Understanding this drives us to focus on helping service technicians bring the truck back to operation quickly by fixing it right the first time and fixing it fast. Through our innovative approach to repairs, we've made diagnostics precise, eliminating guesswork, and we've made it simple. As a result, you benefit by eliminating unnecessary parts replacement and excessive labor. More important, you benefit from more uptime with the Crown RR 5200 Series, thanks to its proven reliability. And that adds up to the lowest total cost of ownership and superior value for you.

Crown's Uptime Equation

Building reliable components
+ Ability to fix it right
+ Ability to fix it fast

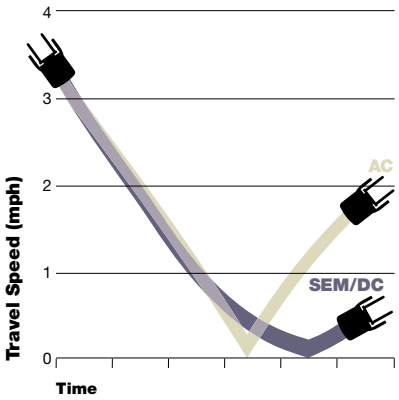
= Uptime

Performance for the right



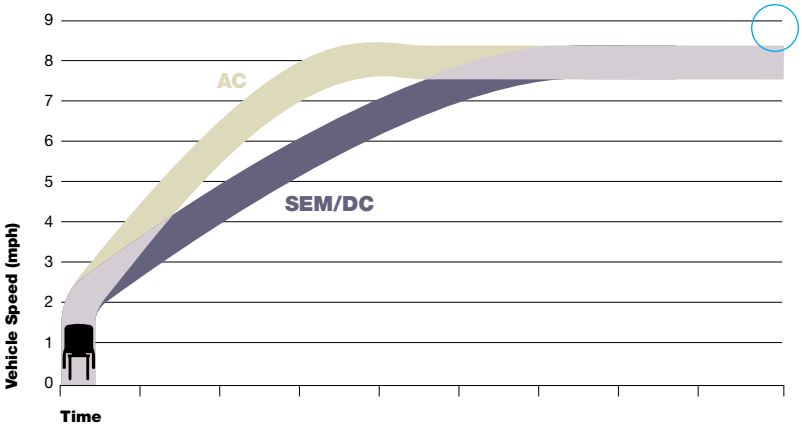
The RR 5200 Series was designed to deliver the optimum performance you require for your specific application. That's why it offers the fastest lift speeds, fastest travel speeds and greatest capacities of any reach truck, AC or SEM/DC. If you're in a put-away/ let-down (elevator) environment, you may benefit from our optional AC traction system.

RR 5260/80S Empty Plug Reversal from Top Speed – Power Unit First to Forks First

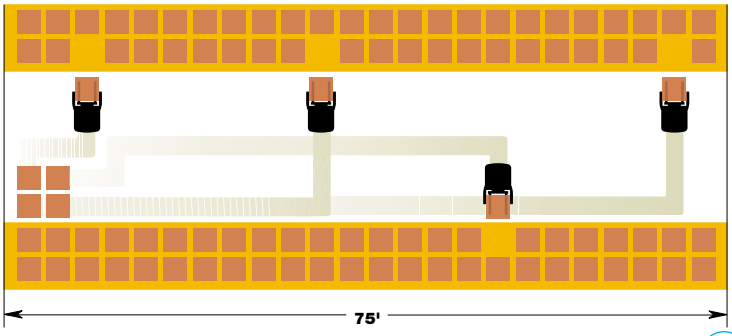


Crown RR 5200 Series reach trucks with AC traction offer faster acceleration for short (50'-75') shuttle cycle applications, as well as a design that ensures the highest levels of AC reliability.

RR 5260/80S Acceleration (No Load)

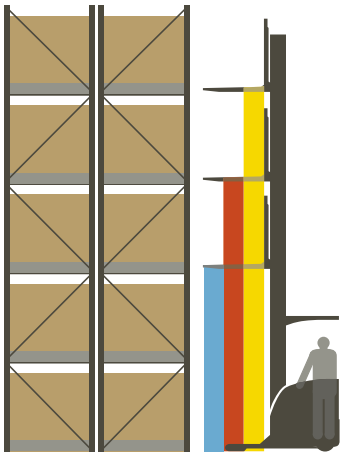


Put-Away / Let-Down Elevator Application

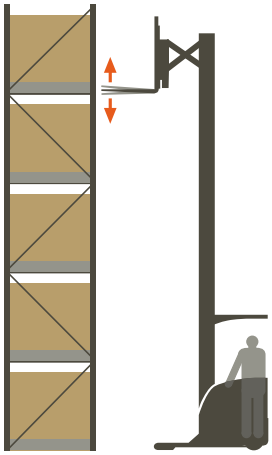


The Crown AC option excels in short shuttle cycles and elevator applications with its faster acceleration and enhanced ability to change directions through faster plugging.

Options application

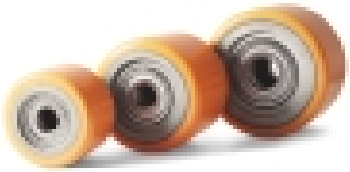


Rack Height Select allows the truck to be programmed so the forks will stop automatically at a selected height.



Tilt Position Assist allows the fork tilt to be set to go to a preprogrammed position.

Mounting hardware and power for RF terminals.

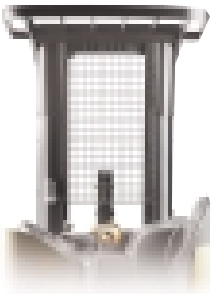


Load wheels in a variety of sizes and compounds.

Optional Capacity Monitor shows approximate load weight and indicates the height the load can be placed.

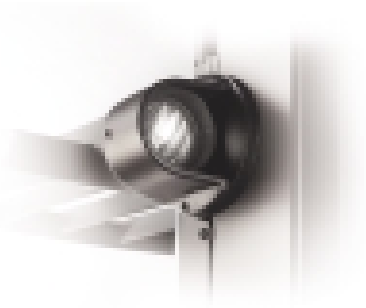
Crown's systems integration capabilities also provide a number of performance-enhancing options. With the **Rack Height Select** option, an operator can easily choose a desired rack level on the display, which will take the forks to within one inch of the preselected height. The Access 1 2 3 system enables programming of different heights, as well as different warehouse zones. The **Tilt Position Assist** option also relies on pre-programmed selections to achieve the desired tilt angle. Maximum fork clearance will be helpful in high lift and double deep applications. **Mounting hardware and power** are available for easy adaptation of most RF terminals. Positioning of the terminal allows for easy operator interface with minimal impact on forward visibility. (RF terminal must be purchased separately.) **Load wheels** are one of the biggest contributors to parts replacement cost and truck downtime. A wide range of wheel compounds and sizes are available to help increase load wheel life. **Work Assist™ Accessories** are available for the RR 5200 Series, including clip pad and hook, pocket, RF mounting plate and RF mounting bracket.

Enhanced Display
The 16-character alphanumeric display (standard on the RR 5260/80S) greatly simplifies the interface between the operator/technician and truck.



Mesh Screen
Freezer Application

Fan



Worklight

Fire Extinguisher

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