

**CROWN**

# **FC 4500** SERIES



# One smart, **tough** lift truck.

Counterbalanced lift trucks face some of the most demanding material handling tasks. That's why the Crown FC 4500 Series is engineered and manufactured to deliver reliable performance long after others begin to break down. It's the result of the strongest, most durable frame, power train, brakes and masts in the industry. The FC 4500 Series further enhances productivity with integrated intelligence and ergonomic design. The FC 4500 Series is one smart, tough truck designed for the challenges you face every day, and for years to come.



Consider the advantages that add up to unmatched productivity and savings with the FC 4500 Series.

#### FC 4500 Series Value Advantage

- Exclusive Access 1 2 3™ technology
- Crown's AC traction and AC lift
- Intrinsic Stability System™
- Proven durability
- Best-in-class comfort
- Superior visibility
- Easiest entry/exit
- InfoPoint™ troubleshooting

It all adds up to ideal performance at the **lowest cost of ownership.**

Designed to meet the demands of heavy-duty applications, the FC 4500 Series ensures superior versatility and performance with its battery choices, attachments and productivity-enhancing accessories.

# Safe, smart control.

**Access123™**  
Comprehensive System Control

**The FC 4500 Series creates a safer, more efficient working relationship between the operator and the truck.** Crown's intelligent Access 1 2 3® technology, integrated with Crown's AC traction system, improves performance and communicates vital data to give operators performance they can safely use.

Crown's unique Access 1 2 3 Comprehensive System Control enables safe, reliable industry-leading lift truck performance and diagnostics. The system continuously monitors truck speed and direction, position of the forks, thermal ranges, operator performance levels, functions selected and more.

As conditions change, it uses this information to respond immediately with reliable, optimised performance. Access 1 2 3 technology also provides programmable performance settings to match your application needs.

**The FC 4500 Series** gives you the ability to program a number of operational functions to meet the needs of your application.

## Access 1 2 3 provides maximum application flexibility with multiple settings.

### Programmable Features

- Three adjustable performance modes
- Maximum forward travel speed
- Maximum reverse travel speed
- Acceleration
- Plugging distance
- Coast (regen) distance
- Hydraulic flow rate
- Low battery cut out
- Performance adjustments above free lift

**The Intrinsic Stability System on the FC 4500 Series features solid engineering that minimises the causes of unstable conditions.** Others require expensive electronic systems that only react to unstable conditions. Crown's proactive approach complements safe, efficient operating practices that build the operator's confidence, rather than test it.

**The Intrinsic Stability System and Access 1 2 3 technology provide the critical balance you need for performance you can safely use.**

### System-Controlled Hydraulic Speeds

The hydraulic system automatically controls tilt and limits side-shift speed to increase vehicle stability and operator confidence.

### Travel Speed Control

When the forks rise above staging, the FC 4500 Series automatically slows travel speeds, empty or loaded.

### Tilt Interlock

When the forks and mast are tilted more than two degrees forward, a tilt interlock keeps forks from raising above free lift. More tilt at higher levels could lead to an unstable condition.

### Stability-Enhanced Counterweight

For an extra measure of stability, the FC 4500 Series counterweight exceeds required standards.

### Ramp Speed Control

The intelligent control system maintains the truck at a constant speed on a ramp so it won't gain or lose momentum.



# No one makes it **tougher.**

**Crown's exclusive Power Brake System**, robust drive unit and AC traction and lift, all optimised by Access 1 2 3 Comprehensive System Control, take durable performance far beyond the others.

**Crown's exclusive Power Brake System demonstrates the FC 4500 Series durability advantage with best-in-class performance. Substantial parts and labour savings, as well as service simplicity, result from a robust design offering:**

- Significantly more friction area than other disc brake systems
- Half the number of parts compared to drum brake systems

- Improved brake pad life
- Noise-free braking
- No adjustments necessary

All of this durability comes with a performance edge. Operators benefit from responsive, consistent braking with reduced brake pedal effort.

**Power Brake System**  
Crown's unique full-circle power disc brakes, featuring larger friction areas, improve responsiveness and extend brake pad life.



**Durability is a major distinction of Crown lift trucks**, which shows in everything from the sturdy, durable construction of the frame to the smallest components.

**No other company builds such a tough, intelligent truck.** You can realise significant performance and cost-saving advantages with Crown. It's directly related to a unique business structure and the highest level of vertical integration in the industry. Up to 85 percent of the components in Crown

lift trucks, are manufactured in our own specialised factories. It's another way Crown ensures superior performance at the lowest cost of ownership.

## 1

### Mast

The heavy-duty mast is engineered to reduce twisting and flexing, ensuring superior durability and stability.

## 2

### Power Train

Crown's transverse motor design with in-line gears avoids the troublesome ring and pinion issues typical with competitors' trucks.

## 3

### Traction Motor

An impressive 290 mm diameter fan-cooled AC traction motor supplies ample power, without strain, even in the toughest applications.

## 4

### Lift Motor

The heavy-duty AC lift motor (optional) eliminates brush maintenance, while providing up to a 35 percent increase in loaded lift speed compared to a DC motor.

## 5

### Frame

Proven to withstand extreme loading and tested in excess of three-million cycles, the frame is engineered for years of durable performance.

## 6

### Steer Axle

A one-piece forged spindle and kingpin with rubber isolation bushings improves ride and handling, serviceability and durability.

# The operator... a centre of **productivity.**

**Operators find efficiency, safety and productivity in the controls, functions and overall design of the FC 4500 Series. It's the result of analysing how operators move from task to task and then designing each touch point to enhance comfortable, safe performance.**

**The compact, adjustable steering column, sculpted for more knee room, only takes one finger to adjust.**

**The FC 4500 Series positions the operator for productivity with ideal ergonomics, all-around visibility and ample work space.** Operator preferences and best practices determined the ideal location for each control, from the offset adjustable steering column to the well-placed parking brake. Leading visibility results from the cab-forward design, low-profile cowl, narrow steering column and unobstructed view through the mast. Since operator space affects productivity, the FC 4500 Series gives

operators more room to move. There's plenty of foot room and a wide brake pedal, so operators can comfortably use either the left or right foot for braking. Moving on or around the truck couldn't be easier. It's the result of ample leg and shoulder room, the lowest step height of any truck in its class, ergonomically rounded contours on the seat deck and rounded overhead guard uprights optimally sized for gripping.

**Demo the productivity-enhancing FC 4500 Series and see why operators prefer its ergonomic advantages.**

**The operator gains a clear advantage with more fork visibility.**



Competitor visibility limited  
FC 4500 Series visibility extends to here

**Unmatched forward visibility** results from a mast design that positions lift cylinders behind mast rails and uses efficient internal hose routing.



**What does it take to increase productivity of on/off tasks?**

- More head room
- More shoulder clearance
- More knee room
- Lower step height

Compare the FC 4500 with the competitors and see the difference.



**The wide-open overhead guard design simplifies entry/exit, with increased body and shoulder clearance and a 50 mm upright providing an excellent handhold for operators of any height.**



# An intelligent approach to uptime.



The FC 4500 Series design is all about keeping the operator and truck working together. It's achieved with the industry's fastest and easiest service, advanced diagnostics, easy access, optimised component placement and a comprehensive system of support. You benefit with increased uptime and the lowest cost of ownership.

**Access123™**  
Comprehensive System Control

You can expect the highest level of uptime with Access 1 2 3® technology, which monitors and communicates dynamic data from key lift truck systems. Service engineers benefit from diagnostic event codes communicated via the Access 1 2 3 display

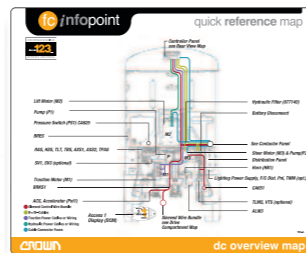
and built-in voltmeter that assists in pinpointing the origin of faults. They also can activate suspect components and test their full functionality, all through the display, avoiding the timely and costly trial-and-error method of component swapping.

The InfoPoint™ System complements Access 1 2 3 diagnostics and further improves service efficiency by eliminating schematics, complicated wiring diagrams and bulky service manuals on most repairs.

InfoPoint component maps are designed to give service engineers the three W's about a problem:

- **What it is**
- **Where it is**
- **What it does.**

As a result, the InfoPoint System helps service engineers fix the truck right the first time and fix it fast.



Example Only



# Compare the total value.



The FC 4500 Series gives you a value advantage that adds up to the lowest cost of ownership. It's not just about comparing lift trucks. It's about comparing the total value. Your advantage begins with the productivity-enhancing features of the FC 4500 Series. Add up the value you'll receive with the integration of Access 1 2 3 technology, AC traction and the Intrinsic Stability System™, as well as numerous ergonomic features. It's all about giving operators performance they can safely use.

Support is another significant area of value. The FC 4500 Series is backed by a complete system of support with Crown Integrity Parts™ and service expertise. Crown's extensively-tested components and systems, combined with a responsive and qualified distribution network, give you a proven way to reduce labour and parts replacement costs.

Your system of support includes facilities located around the world with the latest equipment and tools, service expertise, complete product and part inventories, well-stocked service vehicles and more.



Contact your local Crown distributor to get all the facts on your value advantage. When it comes to the bottom line, the FC 4500 Series gives you superior performance at the lowest cost of ownership.

Compare the total value and see how the FC 4500 Series gives you the ideal solution.





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Because Crown is continually improving its products, specifications are subject to change without notice.

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