



## 4 Ways to Save Time, Money and Maintain Performance

Why choosing an electric truck for your operation pays off

The advancement of technology for industrial trucks is ever changing and vital as companies are increasingly looking for ways to excel in efficiency. The continued pursuit to do things better and faster is the driving force for many. Companies must consider not only cost but must also look at the big picture of maintaining and increasing efficiency and productivity, as well as employee safety.



This informative paper on time and money saving advantages, as well as enhanced performance results, is written for manufacturers, supply chains, forklift dealers, operators and consumers who have found it difficult to find the right truck for the job while swimming through miles of information. At the conclusion of this paper, you will have a clear understanding of the advantages of the Linde Series 346 that will also increase operator safety and productivity.

**1**

**Unmatched Peak Performance**

**2**

**Impressive Ergonomics**

**3**

**Low Maintenance**

**4**

**Unparalleled Efficiency with Electric**

# Unmatched Peak Performance

With a 36 or 48 volt chassis and 100% AC electrical system, the Linde Series 346 is always ready for any task.



→ The Linde Series 346 features Linde Load Control that coordinates the dual AC-motor drive axle and electronic controls levers to provide stable and precise load handling for any variety of products. With the use of transistorized controllers, energy is supplied sensibly, contributing to substantially lowering costs and maintaining increased production. The hydraulic pump and steer motor only supply exact energy and volume needed for the required task, saving on energy and battery use. These features create a benefit of dominant operation at lowest energy consumption.

→ Compact maneuverability through a heavy-duty steer axle (E18/E20) and the Linde exclusive combi steering axle (E20C/E20P) allows the truck to navigate tight spaces. In addition, Linde has pushed the industry limits when turning circles with the dual engine front-wheel drive and patented combined axle, resulting in active steering with decreased tire wear and less energy used. As if that were enough, as a result of the active steering, the Series 346 maintains stability and maneuverability.

→ The Linde Series 346 features robust durability and industry leading residual capacity that meets the needs for maximum versatility in a truck that fits most applications, indoor or outdoor. With 36 or 48 volts of power and 100% AC electrical system, the Series 346 is always ready for any task.



## Ergonomics

The Linde Series 346 is intentionally designed with the operator in mind.

→ “Work-related musculoskeletal disorders (MSDs) currently account for one-third of all occupational injuries and illnesses reported to the Bureau of Labor Statistics (BLS) by employers every year. These disorders thus constitute the largest job-related injury and illness problem in the United States today, as reported on by [OSHA](#).”

→ In a publication by [UCLA Health](#), “sitting for prolonged periods of time can be a major cause of back pain, cause increased stress of the back, neck, arms and legs and can add a tremendous amount of pressure to the back muscles and spinal discs.”

→ By design, the Linde Series 346 features standard cushioned, full-suspension seats, including weight adjustment and front-to-back slide to accommodate any forklift operator. The tilt-up armrest, that also slides front and back, and electronic fingertip control levels encourage productive operators with fewer fatigue-related injuries throughout the workday.

→ The Series 346 workspace offers truck access from both sides, enabling easy mount and dismount. Known as having a “cockpit of a luxury vehicle,” as described by everyman driver [forklift review](#), the Series 346 is ergonomically designed to promote productivity as well as a safe and comfortable workspace.

→ The clearview mast offers the best visibility, resulting in increased productivity, safety, and limits the probability of material damage.



→ The Linde Series 346 maintains 1000 hour maintenance intervals, ensuring uptime and availability, surpassing the standards of all competitors. In addition, the on-board diagnostics, as well as the enclosed motors are sealed enhancing the maintenance-free system.

→ The Series 346 features a purposefully designed interface with lowest vibration and noise levels, promoting less noise no matter the application. This decrease in noise helps the operator to stay concentrated on the task at hand and more alert to their surroundings. Less exposure to the combination of vibration and noise prevents potential cardiovascular and cognitive impairments. An improved operating experience creates a happier operator.

## Low Maintenance

The ingenuity of the Linde Series 346 enables a virtually maintenance-free system

→ **1000 hour maintenance intervals**

→ **Enclosed motors**

→ **Lower operational expense**

→ **Greater transmission efficiency**

The Linde Series 346 offers low maintenance costs because of the many strategically included design features. The completely sealed drive axle prevents dust, dirt and other contaminations from entering the unit, preventing the need for frequent preventative maintenance.

Greater transmission efficiency is harnessed through highly-efficient Linde AC technology. Conserving energy is realized through the axle, with motors located on either side, creating an efficient use of energy and ensuring the trucks ability to perform throughout the day.



→ The Linde Series 346 offers a new age of productivity with its Lithium-ion technology. This energy source is unique as deciding on which capacity sized battery to use is based on the intensity needs of the job - adjusting the electric charge capacity to suit the application.

→ Charging a Series 346, with a lithium-ion battery has never been easier and can be completed at different stopping points or near a break area for example, allowing the truck to complete a quick re-charge during scheduled employee downtime. Short on time? Not a problem, with the lithium-ion battery. This technology does not require a full charge cycle. Although the battery may be charged completely within an hour, short charges are encouraged.

→ The lithium-ion battery works perfectly for three shift operations, with shorter charge cycles, which equals decreased downtime and increased productivity. Use 2/3 of the amount of energy with Lithium-Ion batteries.

## Unparalleled Efficiency with Electric

Charge Less Drive More: Lithium-Ion Technology

The Linde Series 346 offers a New Age of Productivity with Lithium-Ion Technology

# Unparalleled Efficiency with Electric

The hydraulic pump and steer motor of the Linde Series 346 allow energy to be supplied sensibly, creating longer run times and increased production.

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→ The Linde Series 346 is also available with the traditional lead-acid battery offering exceptional run times. The Series 346 is designed to promote lower energy consumption with the hydraulic pump and steer motor supplying the exact amount of energy needed, eliminating waste. This system allows energy to be supplied sensibly, creating longer run times and increased production.



→ The Linde Series 346 workspace includes, an advanced state of charge indicator keeping the operator informed in real time of current and available voltage throughout the day. This feature helps with operator planning for charging stops. If requiring a battery change, the Linde Series 346 has a convenient side battery removal access, eliminating the need to suspend the battery when changing.

→ Electric forklifts produce zero emissions, have a longer economic life and more precise truck control than typical internal combustion forklifts, creating a more efficient truck. In addition to efficiency, there are many economical benefits to going electric. When using gas-powered forklifts, the pricing variable on gas will fluctuate. With increased gas demand, perpetual depletion will cause an increase in gas prices, equalling a greater expense for your operation.

# The Linde Series 346 Difference

- **Unmatched Peak Performance:** With 36 or 48 volts of power and 100% AC electrical system, the Linde Series 346 is always ready for any task.
- **Impressive Ergonomics:** The Linde Series 346 is intentionally designed with the operator in mind.
- **Low Maintenance:** The ingenuity of the Linde Series 346 enables a virtually maintenance-free system.
- **Unparalleled Efficiency with Electric:** The Linde Series 346 offers a New Age of Productivity with Lithium-Ion Technology.

The hydraulic pump and steer motor allow energy to be supplied sensibly, creating longer run times and increased production.

The Linde 346 truck is now available to customers worldwide. Follow along for Ways To Save Your Operator From Injury And Increase Productivity news and developments at:

[KION-NA.com](http://KION-NA.com)

KION North America's family of products, services and solutions help businesses work smarter, faster and more efficiently. Today's supply chain constraints and deadlines are more demanding than ever, and the KION N.A. team is dedicated to creating performance-based, purpose-built solutions that help our customers succeed today and tomorrow.

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