



## 4 Ways to Save Your Operator from Injury and Increase Productivity

Why choosing the truck with ergonomic advantages pays off

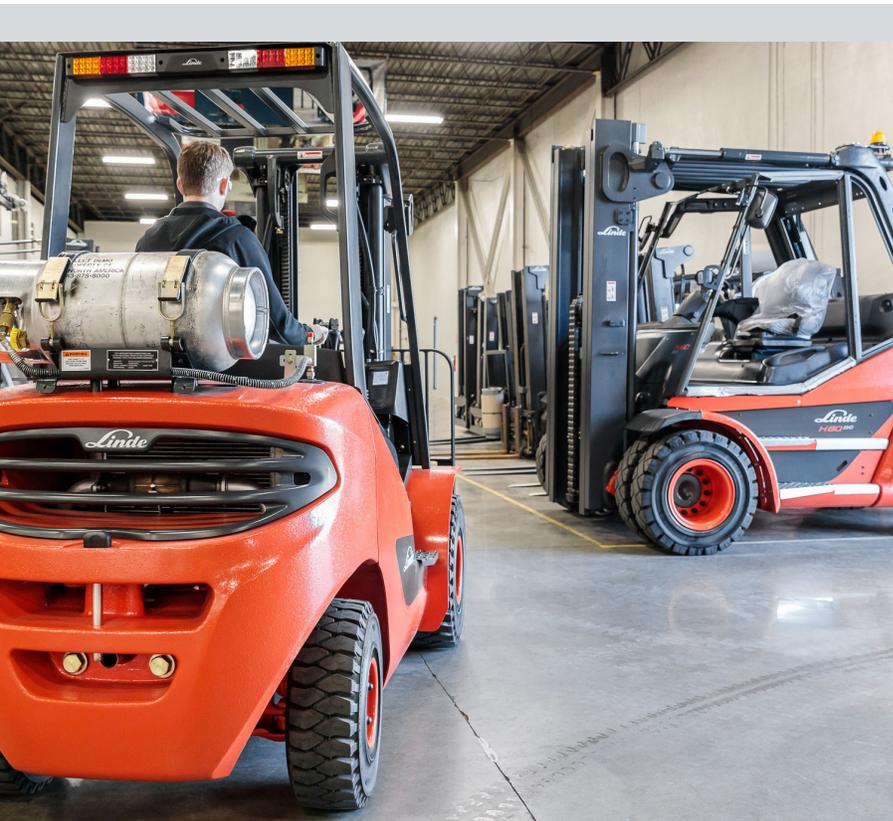
[KION-NA.com/lindeseries1219](https://www.kion-na.com/lindeseries1219)

Linde Material Handling

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KION NORTH AMERICA

The search for the perfect forklift has become a unending task for supply chain operations. With so many choices, the options often blur and distinguishing features and benefits between trucks becomes cumbersome. Finding the right truck for the job while keeping the operator safe and productive is on the minds of all manufacturers.



According to [OSHA's website](#)

“Work-related musculoskeletal disorders are the most widespread occupational health hazard facing our Nation today. Nearly two million workers suffer work-related musculoskeletal disorders every year, and about 600,000 lose time from work as a result... In addition, \$1 of every \$3 spent on workers' compensation stems from insufficient ergonomic protection. The direct costs attributable to MSDs are \$15 to \$20 billion per year, with total annual costs reaching \$45 to \$54 billion.”

This informative paper on ergonomic advantages 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 ergonomic advantages of the Linde Series 1219 that will also increase operator safety and productivity.

- 1 Deck Hydraulic Controls & Handles**
- 2 Better Visibility**
- 3 Well-Designed Seating**
- 4 Decreased Noise & Vibration**

# Deck Hydraulic Controls & Handles

“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](#).”

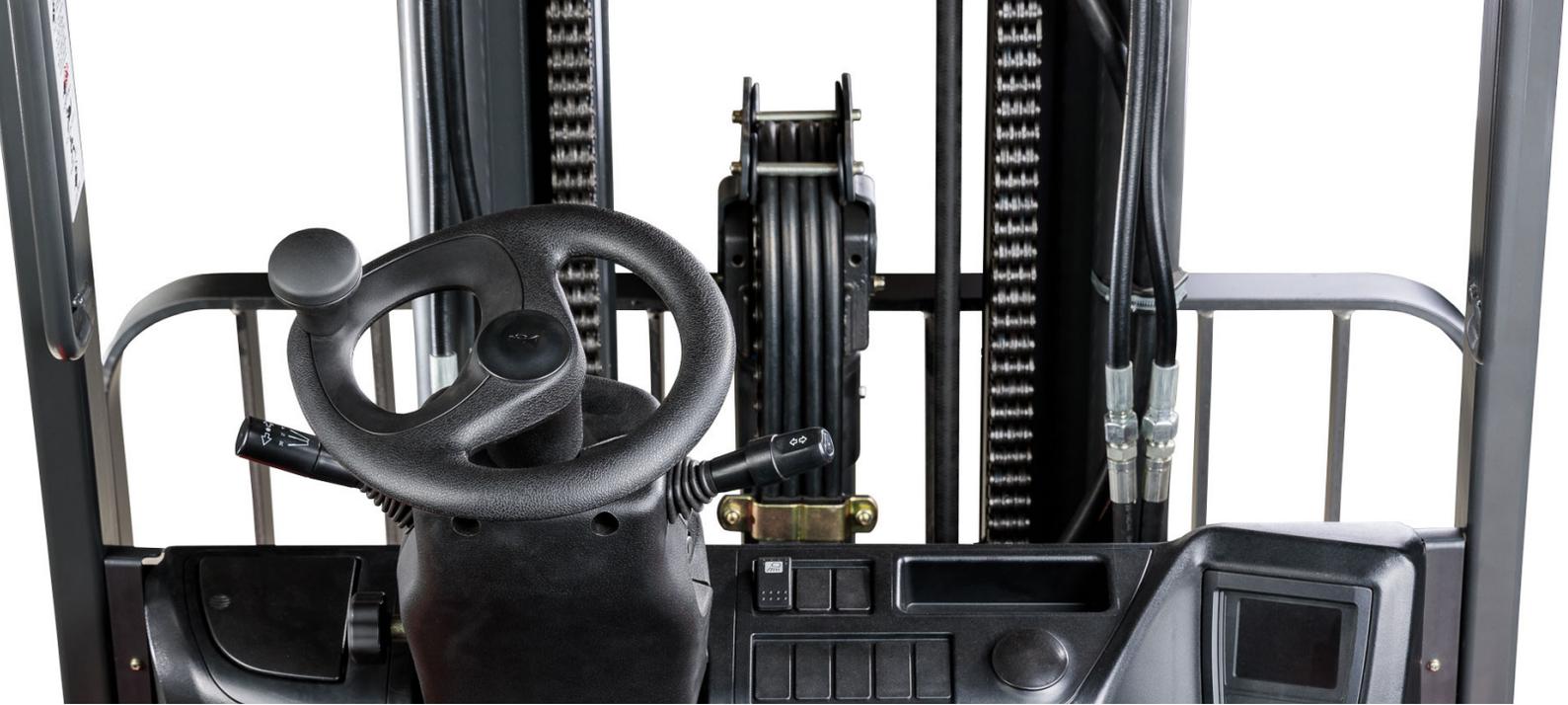
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→ The **Linde Series 1219** features deck hydraulic controls and handles that are ergonomically aligned bringing the arm into natural alignment. There is no need to lean forward and readjust while operating the truck with easy-actuation controls. This ergonomically designed cab creates a low-stress working environment, keeping the operator calm and collected while maneuvering the truck.

→ Competitor forklift workspaces have a poor anatomical design which equates to compromised operator positioning. Constant repositioning, to complete loads, promotes a high stress environment and ultimately operator disengagement. These controls can create an un-safe environment as the driver becomes easily fatigued.





## Better Visibility

According to [OSHA](#), when visibility is impaired, while operating a forklift, one should be aware of the following hazards:

- **Collision**
- **Falling load**
- **Falling off loading dock**
- **Worker struck or crushed by forklift**

Those recommendations are for normal operations, but imagine if the forklift you are operating causes visibility issues as well. If the workspace you are working in increases the likelihood of obstructed views, it can create an extremely dangerous situation.

- The **Linde Series 1219** features better visibility with the Linde designed mast. This deliberate design allows the operator to maintain unparalleled awareness of their surroundings. Peripheral vision is improved which increases the ability to avoid obstacles. Being able to prevent hazards makes it easier for the operator to navigate the truck, giving them peace of mind.
- Competitor mast designs create obstructed visibility, causing the operator to have limited field of view. That type of workspace increases the probability of an accident and keeps the operator distracted and aggravated as he tries to navigate the warehouse.

# Well-Designed Seating

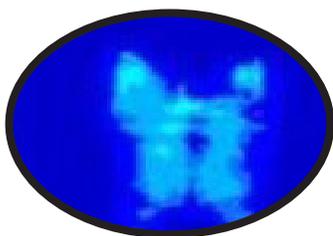
“In a publication by [UCLA Health](#), sitting for prolonged periods of time can be a major cause of back pain, cause increased stress of the back, neck, arms and legs and can add a tremendous amount of pressure to the back muscles and spinal discs.”

Not having an ergonomically designed seat in the forklift will only exacerbate this condition, taking productivity away from the operator and your operation.

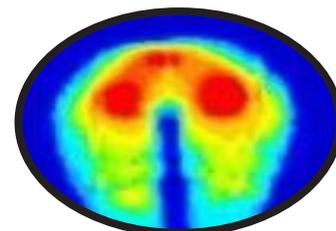


→ The **Linde Series 1219** features well-designed seating which creates less exposure to mechanical energy from the truck to the operator. Sitting for long periods of time is also not an issue for the Series 1219 with decreased discomfort. More comfortable seating helps the operator stay alert be less tired. Operator performance is improved leading to more productive hours.

→ Competitor seating is ineffectual and can cause physiological and psychological effects. Increase irritation with limited patience can lead to a non-productive operator. Posture can be constrained with prolonged, compromised seating. Increased pressure points, due to inadequate seating, can cause strain the entire body of the operator.



Heat map of pressure points on a Linde truck seat



Heat map of pressure points from a competitor seat



→ The **Linde Series 1219** promotes 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.**

→ The **Linde Series 1219** creates a smoother ride for the operator which equates to less stress and aggravation. Decreased noise and vibration promotes patience by the operator and in turn helps with staying alert to one's surroundings. With less vibration, the operator is more comfortable in the workspace and no longer needs constant repositioning, creating less strain on joints and bones.

→ Competitor forklift trucks have increased noise and vibration levels, creating a very stressful environment for the operator. Irritability, poor concentration, fatigue, and lower back pain is just scratching the surface of negative impacts caused by intense noise and vibration.

## Decreased Noise & Vibration

According to the [OSHA website](#), noise-induced hearing loss is the most common occupational illness that accumulates over a long period of time and is often unnoticed because there is typically no pain associated with it. What does occur is a progressive loss of communication, socialization, and responsiveness to the environment. In its early stages (when hearing loss is above 2,000 Hz), it affects the ability to understand or discriminate speech. As it progresses to the lower frequencies, it begins to affect the ability to hear sounds in general.

# The Linde Series 1219 Difference

- **Deck hydraulic controls and handles:** The Linde Series 1219 offers ergonomically designed hydraulic controls and handles that bring the arm into natural anatomical alignment.
- **Well-designed seating:** The deliberate design of the Linde Series 1219 mast enhances the operator's ability to maintain unparalleled awareness of their surroundings.
- **Better visibility:** The Linde Series 1219 features well-designed seating which creates less exposure to mechanical energy from the truck to the operator.
- **Decreased noise and vibration:** The Linde Series 1219 creates a smoother ride with less noise no matter the application. An improved operating experience creates a happier operator.

The Linde 1219 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/lindeseries1219](https://www.kion-na.com/lindeseries1219).

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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