

4532 TCE5

# Konecranes Liftace Reach Stackers



The environments, climate challenges, drivers’ needs, lifting loads and heights of every lift truck driver are always different and special. By listening and observing carefully to learn about your world, it’s possible to design and deliver the most ideal lift truck for your operation.



## Built for your world

Here’s a secret we know and understand: we all like to talk about ourselves, but the world that matters most to you is your world, not ours. We at Konecranes Lift Trucks listen to, learn from, design for, deliver to and support you to help you succeed in the unique world where you work.

### For efficient handling of containers and cargo

Konecranes reach stackers have often been the first equipment on site when new terminals have been opened in all parts of the world and have been setting the benchmark ever since.

At port, railway or intermodal terminals, in container stackyards or any other logistics

hub, Konecranes Liftace Reach Stackers are renowned for their well proven design, first class components and excellent workmanship. This combination has given them the reputation of being highly efficient and reliable workhorses, easy to maintain and service.

Konecranes Liftace Reach Stackers meet the modern challenges of professional container or heavy general cargo handling with an impressive loading capacity of 45 tons, and high working speeds with simple and safe operation.



**WELDED BOX-TYPE LIFT BOOM**

A strong box-type lift boom which lowers stresses and extended design of the lift boom. The four-plate box section gives excellent bending resistance and torsional stiffness, resulting in a precise and predictive driving behavior.

**SMART AND CONNECTED**

TRUCONNECT Remote Monitoring services enables tracking of the real usage of the truck. The connection will provide means to improve safety, keep track of operations and plan maintenance.

**MODERN AND DURABLE LIFTING SPREADER**

Top-lift for 20/40 ft containers, +105/-195 degrees rotation, +/-800 mm total sideshift, 4 lift eyes for sling cargo. Mechanical pile slope (MPS ±2 deg).

**SMART LOAD-SENSING HYDRAULICS**

Specially designed hydraulics sense the weight of the load and adapt lifting power accordingly. The truck provides maximum power only when really needed, so it consumes less fuel while reducing emissions and noise.

**ELECTRONIC MACHINE CONTROL, EMC MASTER**

You get full monitoring of all vital components and functions on a 7" touch screen. CanBus technology increases engine and transmission reliability as well as hydraulic and joystick control.

**OUTSTANDING ERGONOMICS**

With driver-focused design the OPTIMA cabin is the most spacious cabin on the market. Everything is within easy reach.

**CURVED GLASS GIVES REMARKABLE VISIBILITY**

Drivers have an exceptional range of vision through very large, lowered windows with no corner posts, a thin but very strong roof crossmember, and curved panels.

**BENEFITS**

- **Reliable lift truck with full performance**
- **Optima cabin for outstanding comfort and superior visibility**
- **Work Zone based on GPS technology to define virtual fences around real world areas. Improves safety by setting speed limits and height limitations within the zone.**
- **Smart load-sensing hydraulics means less fuel consumption, reduced noise and emissions**
- **Safe lifting and driving with heavy loads thanks to the chassis, strong boxed lifting boom and better visibility**

**HEAVY-DUTY BOX-TYPE CHASSIS**

The strongest on the market. The foundation of long-lasting high performance.

**EXCELLENT STABILITY**

Wide, strong drive axle and long wheelbase means stability and safe lifting of heavy loads.

**POWERFUL ENGINE**

Certified low-emission engine provides extra high torque at low revs for reduced fuel consumption and low noise levels.

# Konecranes Liftace 4532 TCE5 reach stacker at a glance

The strength, performance and reliability of every Konecranes lift truck are based on our proven technology.

**Quality you can trust**

All our lift trucks are built for your world, the Konecranes Liftace 4532 TCE5 is no exception. Konecranes high quality core components, such as strong chassis, proven major components, and a durable spreader, enable a steady performance and high uptime.

The Konecranes Liftace 4532 TCE5 reach stackers' working speeds enable efficient handling rates increasing productiveness of your operations. The low fuel consumption and predictable maintenance costs make the machine economical to operate and maintain. Reliable monitoring and excellent visibility of Konecranes Liftace 4532 TCE5 reach stackers increase the driver-friendliness and safety of your drivers and other nearby personnel.





# The lifetime advantage

Owning the perfect lift truck is not only about the machine itself. It's about maintaining high performance as the years go by, with services such as quality spare parts, preventive maintenance, support when you need it, or tailored training for in-house mechanics.

# Safety-first culture

When working with material handling and heavy loads, you want to minimize safety risks to help maintain the well-being of your employees.

We think that the pursuit of safety never stops. It's not about built-in safety features alone – it's about preventive maintenance, training and building a safety-first working culture. Konecranes is often the first to introduce new technology that improves safety.

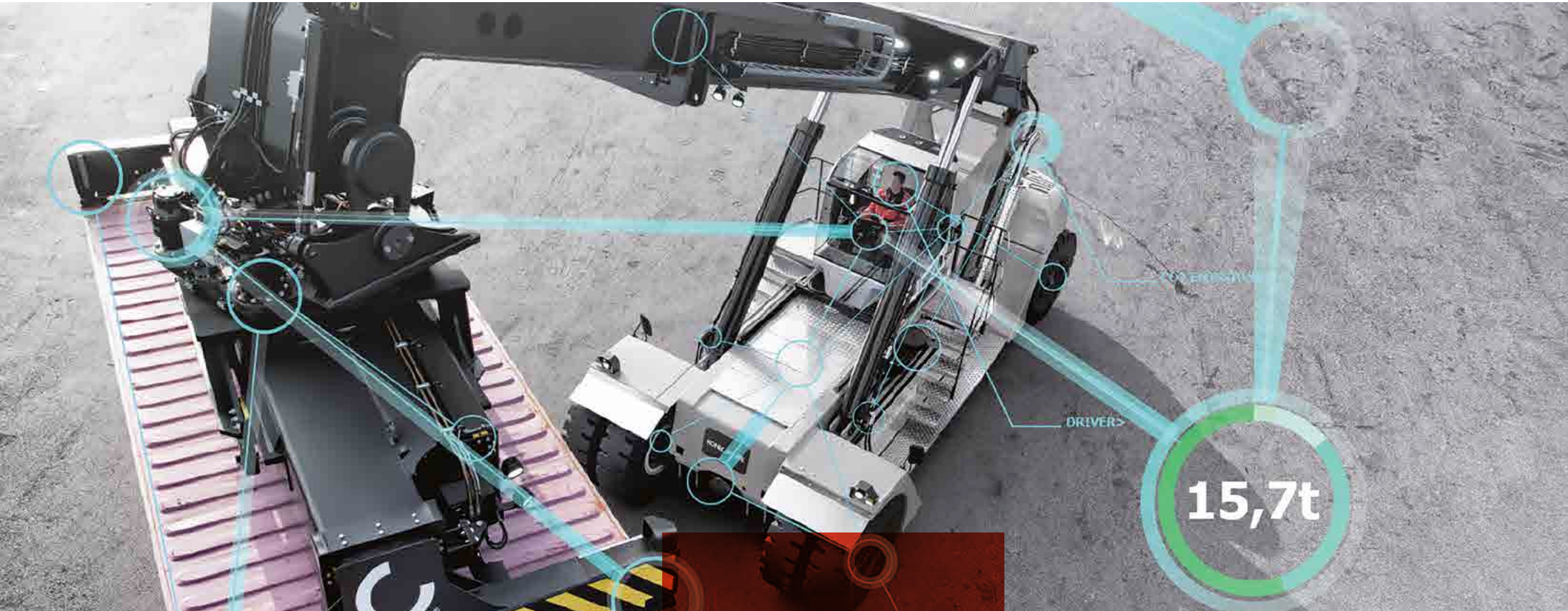
Safety is in everything we do, all the way from R&D to all the customization possibilities and technological innovations we offer. Depending on your particular operations, we can meet your specific needs with a wide variety of preventive solutions to maximize the safety of your personnel.

## Expert support when you need it

We have a unique service concept in the lift truck industry. It provides you with a seamless service experience, starting with the condition of the reach stacker, and producing all needed parts and work orders. Being part of a global company, Konecranes Liftace benefits of a huge network of service and distribution partners around the world. Our expert support helps you to maintain extended use cycles and give your equipment a longer lifetime. We also offer several related services, such as upgrades, safety and maintenance kits, e-learning platforms, recommended parts lists and more.







# Smart Connected Lift Trucks

Konecranes Smart Connected Lift Trucks is a range of remote service applications that track the condition and usage of your lift trucks in real time, allowing you to use insights from this data to optimize the productivity of your operation. For example, you can better forecast and schedule maintenance, discover and improve weaknesses in safety and efficiency, or enhance driver performance by identifying training needs for more economical and ecological driving.

## Listening to your lift truck

With TRUCONNECT Remote Monitoring you don't have to guess how your lift trucks are doing. Your lift truck collects usage data through sensors, stores it in a condition monitoring unit, and transmits the information to the Konecranes Remote Data Center, where it is compiled and made available to you on our customer portal.



## BENEFITS

- Gives you a clear view of how your lift trucks are being used
- Tells you when your lift trucks have been in use, idling or off duty
- Helps you identify where operator training could improve safety and productivity
- Around-the-clock access to data allows a timely response to safety issues
- Gives you transparency of lift truck's maintenance operations

# Customer portal

TRUCONNECT usage data is viewable on our cloud-based customer portal [yourKONECRANES.com](https://yourKONECRANES.com). Usage data, maintenance data and asset details are linked, giving a transparent view of events and activities over any selected time interval. Aggregated data can quickly be viewed, analyzed and shared. To take a closer look at the information regarding your fleet, you can also export PDF and Excel reports from the system. Insights can be produced by observing anomalies, patterns and trends, helping you to make decisions based on facts.

## TRUCONNECT data available on yourKONECRANES.com 24/7

Information is organized into easy-to-read graphs and charts in a single location, showing TRUCONNECT operating statistics and alerts. Simple, yet informative charts and tables give you a clear view of your entire fleet in a single glance.

To avoid unnecessary downtimes, you can make customizable alert messages and notifications of events, such as overloads and overheating which can be sent directly to the right person by SMS or email. The portal offers data archiving and retrieval options, including document uploads and electronic reports suitable for printing.





WHAT DO YOU NEED TO LIFT?

We have the attachments

Our Konecranes Liftace reach stacker attachments includes solutions for lifting containers as well as material requiring a hook. Contact your sales representative to discuss your lifting requirements.



ELME 817 Innovation

Telescopic spreader for laden ISO containers with capacity up to 45 tons. Strong parallel double beam spreader design, floating twistlock ( $\pm 10$  mm) with hydraulic operation and mechanical safety locking.

- Hydraulic extension with 2 cylinders (20–40 ft)
- Sideshift  $\pm 800$  mm with 2 hydraulic cylinders
- Full rotation  $-105/+195$  deg. with 1 hydraulic motor (turning) and 2 brakes (holding)
- Spreader side tilt with stroke of  $\pm 2$  deg (MPS = mechanical pile slope)
- 4 lift eyes included for slings (45 tons).

ELME 817-HPS with a stroke of  $\pm 6$  deg (HPS = hydraulic pile slope with 4 cylinders). The spreader frame and the end beams are of strong heavy-duty design. Weight of spreader: 7,7 tons ca. without extra equipment. This model is available also with overheight folding legs (ELME 817-MPS/OFL) for open-top containers and flat racks (extra high cargo). The foldable extension legs are 1600 or 2100 mm long and activated by 4 cylinders. Weight appr. 10.3–11.3 tons.



Free slewing hook

Konecranes® Liftace free slewing hook for any pick and carry operation.

- Capacities up to 60 tons.
- 360° continue operation
- Ramshorn hook



**Konecranes is a world-leading group of Lifting Businesses™, serving a broad range of customers, including manufacturing and process industries, shipyards, ports and terminals. Konecranes provides productivity enhancing lifting solutions as well as services for lifting equipment of all makes. In 2019, Group sales totaled EUR 3.33 billion. Including MHE-Demag, the Group has around 18,000 employees in 50 countries. Konecranes shares are listed on the Nasdaq Helsinki (symbol: KCR).**

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