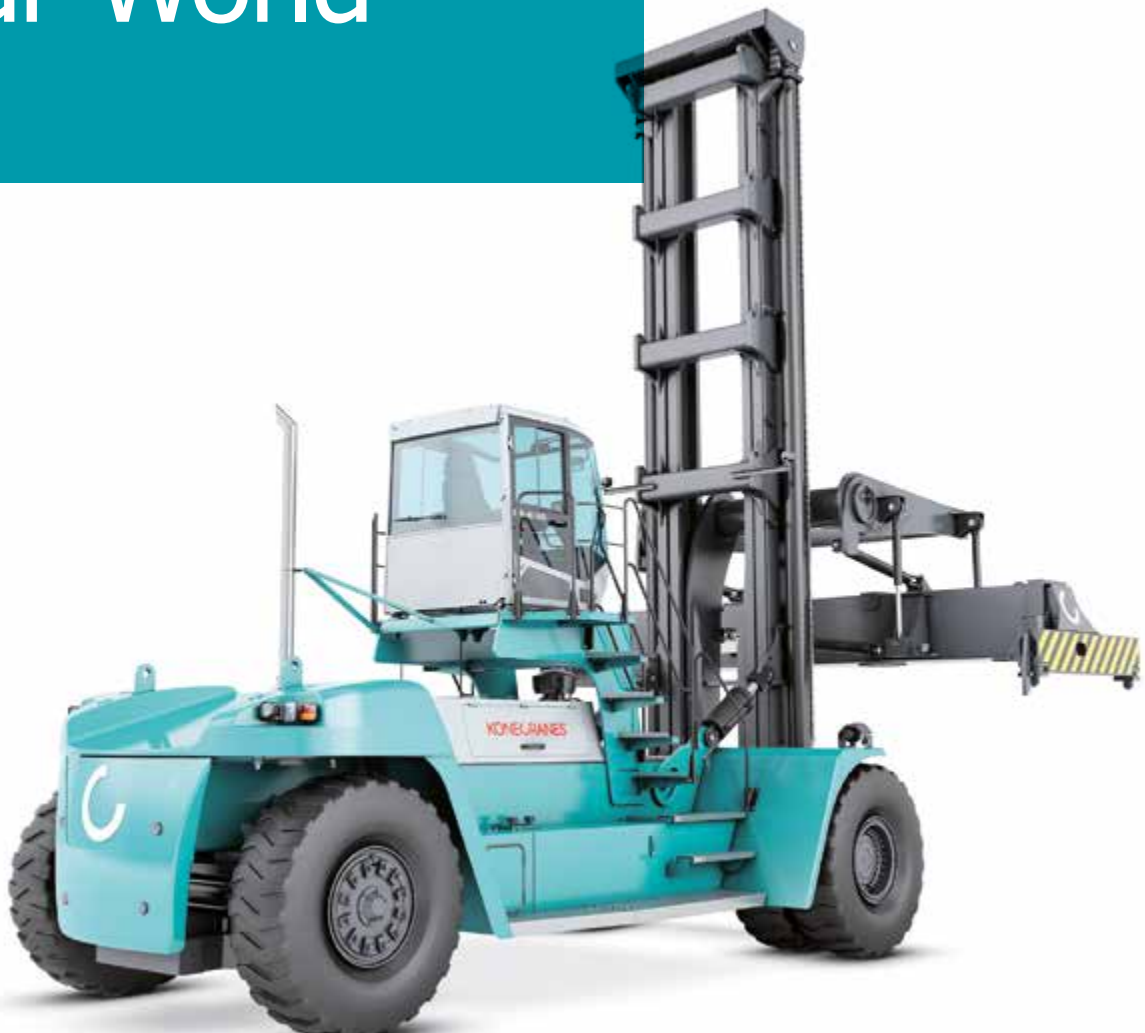


72700 – 114600 LBS

Laden Container Handlers for Your World

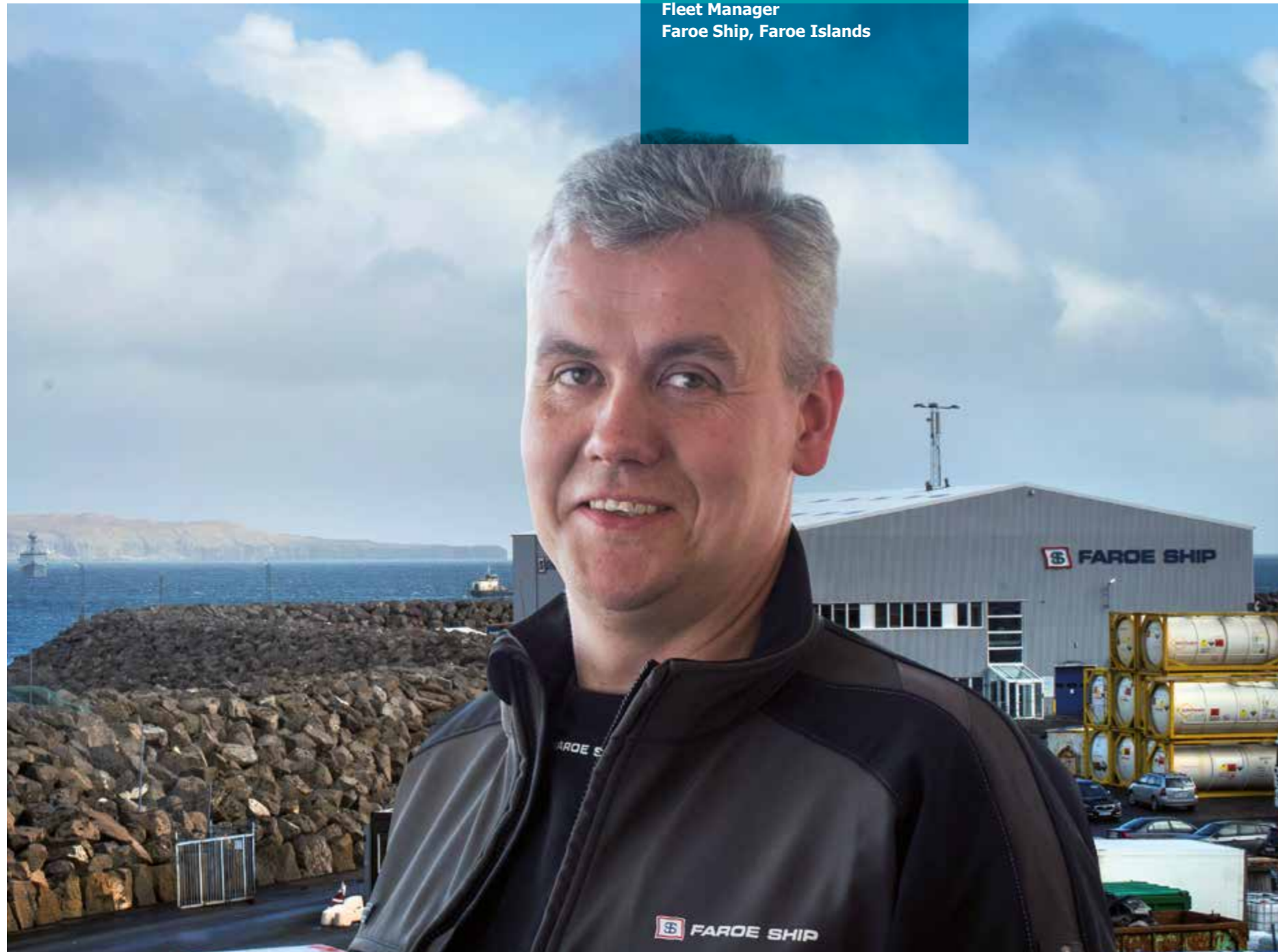


The environments, climate challenges, drivers' needs, lifting loads and heights of every lift truck driver are always different and special. By listening and observing carefully to learn about your world, it's possible to design and deliver the most ideal lift truck for your operation.

YOUR WORLD

The machines from Konecranes are very reliable and good quality, which is very important for us living in the middle of nowhere here in the Faroe Islands. Only the best of the best is useful for us. And if necessary, we can always call for help, day and night and get the support we need."

Johann Behrens
Fleet Manager
Faroe Ship, Faroe Islands



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.

Continuous improvement

Our mission is to build and customize the hardest-working, longest-lasting, heavy-duty lift trucks for our customers' worlds. This has been our way ever since we made our very first lift truck in 1959 for a very special customer, and our customers still provide the most important input for the continuous improvement of our lift trucks.

Quality in every aspect

Excellence is a cornerstone of the Konecranes product design process and a hallmark of the Konecranes brand.

Excellence shows in our heavy-duty durability, modern cabin and all the little things that makes up the efficient, high-quality lift trucks that we proudly produce every day.

Every lift truck goes through rigorous tests before delivery to check that your equipment always meets the highest possible product standards.



First in safety

When working with material handling and heavy loads, you want to minimize safety risks to help maintain the well-being of your employees. You can do this by implementing new and improved preventive safety measures.

YOUR WORLD

Innovations like Work Zone geofencing and Konecranes weight verification system are not important because they are cutting-edge, but because they make your work environment safer. They protect your drivers and ground staff.

Safety-first culture

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.

Konecranes digital services has received ISO/IEC 27001:2013 certification for information security management. Secure software development practices ensure security risks are considered in each phase of the software development lifecycle. This helps developers to build highly secure applications and ensure that risks and possible vulnerabilities are captured in the development, and not in the production.

Technology for safe operations

Our overload detection system helps prevent accidents by sending data on the use of each of your laden container handler for checking and analysis.

At Konecranes, the TRUCONNECT® Remote Monitoring service receives that data and can send alert notifications of overloads and overrides to designated personnel at your own facility.

Container weighing detects dangerous overweight conditions with accurate weight measurement to meet all local requirements for maritime and port safety.

Work Zone for safer operations

Developed by Konecranes, Work Zone is a suite of location-based services designed to improve the safety of lift truck operations, especially in busy, high-traffic environments.

Work Zone uses GPS technology to create geofencing – invisible fences around real-world areas. You can remotely control lift trucks and their height limitations, speed limits and other safety matters inside computer-defined areas – virtual fences. Drivers can see selected alerts on their operating display and you can also send the alerts by SMS or email to chosen recipients.





Customization

Every operation must meet different challenges. Lift trucks need to be able to function anywhere from the blazing deserts of the Sahara to the frozen wastes of the Arctic. With optimal performance and the right combination of features and attachments, Konecranes laden container handlers can help you maximize your operational efficiency.

YOUR WORLD

Every industry has its own special requirements. The equipment must be customizable to your particular business, so you don't have to tailor your operations to the limitations of the equipment.

Everything is possible

Listening to our customers and meeting their needs has been our way from the very start. Not only do we want to help you to lift loads, but we also want to help lift our customers' businesses. So we listen, learn and develop our products based on customer experience.

You provide us with the details of your operational needs and goals, and we design a lift truck that meets your expectations and more.

The strength, performance and reliability of every Konecranes lift truck are based on the heart of our technology: a strong box-type chassis, efficient load-sensing hydraulics and intelligent electronic machine control (EMC) that monitors the lift truck's vital components and functions. Our tight organization and a close dialogue between sales and engineering ensure that we can provide for your customization needs in the best way possible.

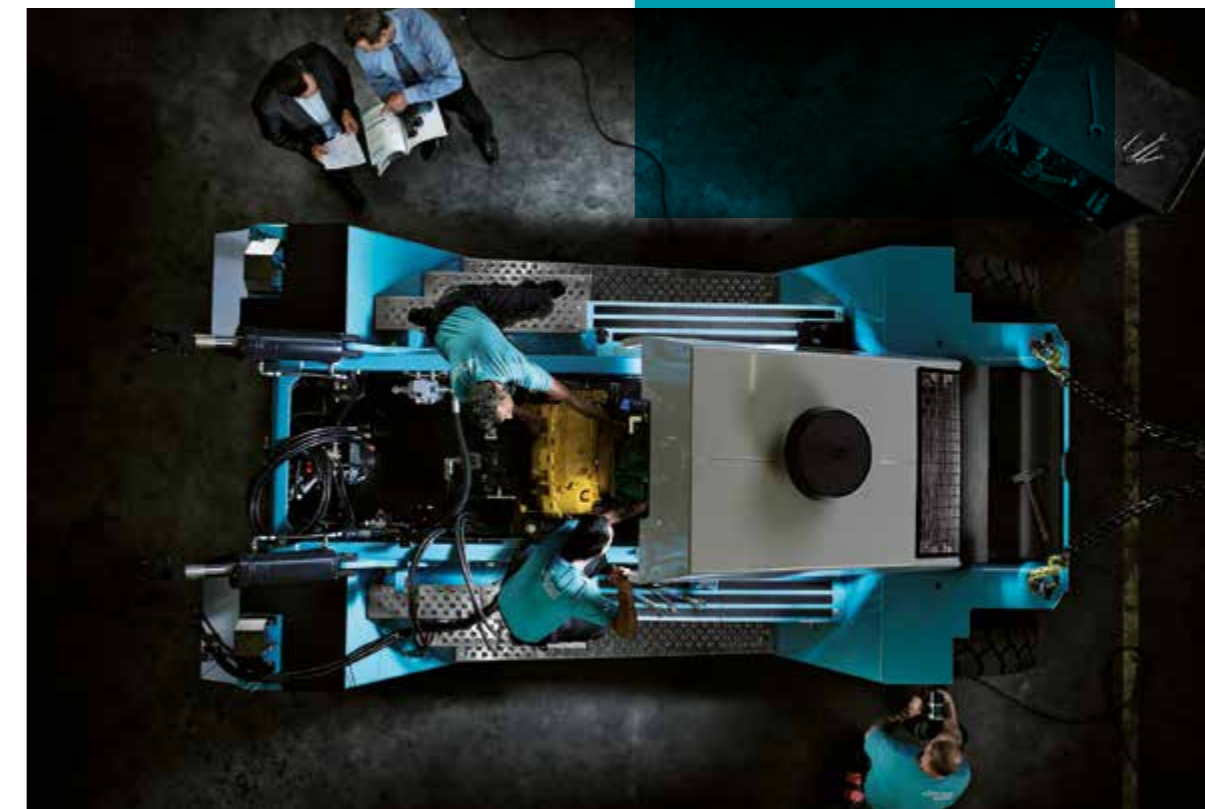
EXAMPLES OF CUSTOMIZED SOLUTION

US market

- Special spreader for handling ISO containers 20–40 ft with "wide twistlock position" and trailer legs for handling US trailers.

For all markets

- Spreader for handling ISO container 20–40 ft, also with folding legs to pick up flat racks.
- Lowered or raised position of cabin for better visibility.
- Extended wheelbase for extra stability.
- Separate tanks for hydraulic oil and brake oil.
- Tilting cab up to 15 degrees during lifting to increase visibility and ergonomics for the operator.





Intermodal gains from a new laden container handler

P & W Intermodal is an intermodal division of TFI International, also known as Transforce. Located right in the heart of the Greater Toronto Area, next to Lake Ontario, it provides intermodal and container terminal services to steamship lines and freight forwarders in Canada and the United States.



CUSTOMER STORY:

NAME:
P & W Intermodal

INDUSTRY:
Intermodal

COUNTRY:
Canada

"Konecranes Smart Connected Lift Trucks make our business stronger, as we can better utilize our assets and find cost reductions along the way."

Mark Joczys
Director
P & W Intermodal

Expanding to new capacity

In October 2017, P & W moved to a new, larger terminal due to an expected increase in business. They needed a new lift truck to help load and unload chassis and stack containers for storage in the bigger yard. So just after they moved, Konecranes delivered a Smart Connected SMV 45 GC5S laden container handler to round off their fleet. The truck helps optimize their operation by improving the flow of cargo through the new facility.

Active in ports and terminals, rail and intermodal, and in the industrial sector, local distributor Strongco has represented Konecranes across most of Canada since 2014. Since then, it has had great success and sold many Konecranes Forklift Trucks and Container Handlers all across Canada.

P & W has been a customer of theirs for more than 25 years. This time, when Strongco presented the options that matched their requirements, P & W selected a Konecranes vehicle.

Mark Joczys, Director of P & W Intermodal, says there were several reasons for this choice. "Its compact dimensions and maneuverability were absolutely necessary, due to some of the restricted spaces in the new terminal," he says. "I was very impressed with its smart connected features, such as load-sensing hydraulics, and fuel savings of over 30% compared with similar machines in my experience."

In addition, their new laden container handler runs on a

powerful 11-liter Cummins engine with full torque, even at low engine speed. This Smart Connected Lift Truck was equipped with TRUCONNECT Premium, which adds tire pressure and shock sensors to standard use data such as fuel usage and eco-driving performance. It also includes the geofencing feature Work Zone, for improved safety and efficiency. Both the superior engine performance and the optimized operational efficiency that comes from TRUCONNECT helped Konecranes stand out from the competition.

Since they started using the lift truck, operators have commented on how fast and strong it is, despite its smaller size and weight. They are also very happy with the comfort of the new C series cabin, the ergonomic design of its instrumentation, and its wide visibility. Mr. Joczys says he's seen a significant increase in productivity.

Future purchase plans

Now that their fleet has one Konecranes Gen-C model laden container handler, Mr Joczys is very pleased with the equipment, and notes that his overall experience with the company – sales, product and service – has been excellent.

"P & W will need more replacement lift trucks in the future," he says, "and they will definitely be Konecranes Smart Connected Lift Trucks. They make our business stronger, as we can better utilize our assets and find cost reductions along the way."



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.

YOUR WORLD

With machinery, it is essential that the equipment has long operating time and use cycles and it will perform at its best over the long term improving the productivity and efficiency of the company.

Smart Connected Lift Trucks

Konecranes Smart Connected Lift Trucks is a range of remote service applications that track the real usage and conditions 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 estimated 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

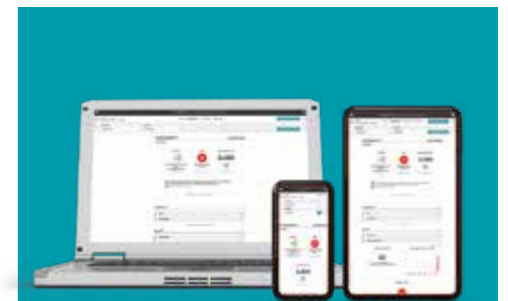
Is your maintenance at regular intervals, or do you plan it based on your actual needs? Do you order spare parts after a breakdown, or do you get them before they are needed? Do you know how your lift trucks are doing, or are you still guessing?

Knowledge is power, and when it comes to taking expert care of your lift truck, nothing beats knowing what will happen before it happens. So, what do your Smart Connected Lift Trucks want to tell you today?

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 laden container handler, and producing all needed parts and work orders.

Being a global company, Konecranes is at the center 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.



YOUR WORLD

"I can sit at my desk and check the status of all our trucks – how they are doing and how they are being used."

**Rolf Andersén
Gränges, Sweden**





Konecranes Ecolifting

Developing environmental solutions has been important to us for a very long time. We give you the opportunity to simultaneously save money and help the environment by using less fossil fuels.

Konecranes Ecolifting is a future-proof concept with new solutions continuously in development. In all of our products, true value lies in the small and intelligent details implemented with cutting-edge technology that make Konecranes Lift Trucks some of the world's most advanced lift trucks. Small things make a huge difference.

Currently, we offer Power Drive for your Konecranes laden container handlers. With this Ecolifting solution, you can reduce fuel consumption and emissions without compromising performance.

Development is on-going at Konecranes, and further Ecolifting solutions for reducing emissions are in the pipeline.

POWER DRIVE

- reduce fuel consumption and emissions by up to 15%
- minimal capital investment and payback in less than a year
- same performance, less fuel consumption

Eco-efficiency

To be able to make choices for a better tomorrow, you must find new ways to reduce costs without compromising performance. With the optimal combination of features and attachments, you can help protect the environment and still maximize your operational efficiency.

YOUR WORLD

Product advances like Konecranes Ecolifting can make a big difference in operating costs without any decrease in performance.



Driver-friendliness

For the driver spending countless hours in a lift truck, the most important thing is not the return on investment or the overall performance of the fleet. Drivers want to feel secure and comfortable, and have the opportunity to do their jobs with precision and effectiveness.

FEATURES FOR DRIVER-FRIENDLY OPERATIONS

YOUR WORLD

People are your most valuable asset. Driver-friendly trucks facilitate the well-being and work of the drivers.

Cabins that are well-designed for long shifts and demanding conditions lead to relaxed and more effective drivers. Konecranes cabins put your drivers in a position to succeed – to be their best at what they do.

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.

OUTSTANDING ERGONOMICS

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

HEAVY-DUTY BOX-TYPE CHASSIS

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

RELIABLE LIFTING

Lift masts adapted for laden container handling. Hoses and cables kept to a minimum for low maintenance costs and maximum uptime.

SINGLE STACKING SPREADER

Toplift handling of 20–40 ft containers, 45–53 ft containers are lifted in 40 ft position with the 4 twistlocks. There are 4 lift eyes for sling cargo, large sideshift, reach in & out, slew left & right, and mechanical pile slope. Large sideshift, mechanical pile slope, and optional hydraulic pile slope.

EXCELLENT STABILITY

Wide drive axle and long wheelbase: the two keys to excellent stability.

POWERFUL ENGINE

Certified low-emission engine provides extra high torque at low revs, reduced fuel consumption, and low noise levels. We offer a variety of engines for EU stage 4 and EPA Tier 4f.

MAINTENANCE-FREE BRAKES

Brakes with continuous oil cooling provide full braking power in every situation.



Meeting the needs of drivers

Cabin OPTIMA, designed and built by Konecranes Lift Trucks, offers comfort and superior visibility for your drivers. Both the cabin and the truck itself can be customized to fit your specific needs, so all of your operations on the ground can run safely and smoothly.

Ergonomically advanced

Instrumentation is conveniently accessible to the right of and above the driver, improving driver posture and positioning during operation. If you need it, ask us to install extra equipment and add the controls as part of the instrumentation layout.

Solutions for comfort

An excellent seat with compressor suspension, cabin heating and ventilation, air conditioning – we provide your drivers with every possible comfort. Optional ergonomic steering solutions improve your drivers' productivity.



WHAT DO YOU NEED TO LIFT?

We have the attachment

Get the job done with the right attachment.



ELME 818 gantry-type spreader

Telescopic toplift spreader for laden ISO containers with capacity up to 99200 lb. Strong and well-proven parallel double beam spreader design, pendular twistlock system ($\pm 0,4$ inches) with hydraulic operation and mechanical safety locking. Hydraulic cylinder extension (20–40 ft), large sideshift ($\pm 7,9$ inches), reach in/out (0–9,5 inches), and slew left/right (± 6 degr.). Spreader side tilt with stroke of ± 5 deg (MPS mechanical pile slope) and 4 lift eyes included for slings (99200 lb). Hydraulic pile slope HPS is optional (± 6 degr.). The spreader frame and the end beams are of strong heavy-duty design. Weight 818-MPS/HPS is appr 15400 lb.



72700 TO 99200 LBS

Taking container handling to a higher level

When you buy a Konecranes laden container handler, you are investing in time-tested technology with innovative, eco-efficient features to enhance productivity and cut lifecycle costs. We offer a range of solutions and technologies

to reduce engine, drive train and tire wear, extend the functional life of your laden container handler and decrease your running expenses. When your lifting needs change, a well-maintained laden container handler also has high resale value.



LOW CABIN

3-4 high
72700-77100 lb



MODEL NAME	CAPACITY	WHEELBASE
SMV 33 GC3-GC4	66100/61700 lb at 59/68 inches	187 inches
SMV 37 GC3-GC4	77100/72700 lb at 59/68 inches	197 inches

HIGH/MID CABIN

4 high
72700-77100 lb



MODEL NAME	CAPACITY	WHEELBASE
SMV 33 GC3-GC4	66100/61700 lb at 59/68 inches	187 inches
SMV 37 GC4S	77100/72700 lb at 59/68 inches	197 inches

LOW CABIN

3-4 high
90300-99200 lb



MODEL NAME	CAPACITY	WHEELBASE
SMV 45 GC3-GC4	94700/90300 lb at 59/68 inches	216 inches
SMV 52 GC3-GC4	99200/94700 lb at 59/68 inches	236 inches

HIGH/MID/REAR CABIN

4-5-6 high
80000-99200 lb



MODEL NAME	CAPACITY	WHEELBASE
SMV 45 GC4S-GC5S	92500/90300 lb at 59/68 inches	216 inches
SMV 52 GC4S-GC5S	99200/94700 lb at 59/68 inches	236 inches
SMV 52 GC6R	84800/80000 lb at 59/68 inches	236 inches

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 2020, Group sales totaled EUR 3.2 billion. The Group has 16,900 employees in 50 countries. Konecranes shares are listed on the Nasdaq Helsinki (symbol: KCR).

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