

CONTAINER LIFT TRUCKS
8-45 TONS

KONECRANES®



**WE TAKE CONTAINER HANDLING
TO NEW LEVELS**

SMV CONTAINER LIFT TRUCKS

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Productivity boost. Our biggest model lifts up to 8 containers high with the fastest lifting speed on the market.

For over 50 years Konecranes Liftrucks has designed and customized trucks for the most demanding applications. Few locations place such heavy demands on container handling as ports, terminals, and other transport hubs. We know what it takes to efficiently handle empty and laden containers for stacking, loading, and unloading between terminal, road truck and railcar. The same applies to RoRo trucks, which have to quickly load and unload containers and other goods on RoRo ships. We have the extensive knowledge needed to create reliable trucks that get the job done, year after year – with unbeatable performance, productivity, and low life cycle cost.



Stacking heavy containers (24-45 tons) up to 5 high.



Low-profile powerful solution.
RoRo truck lifts heavy goods in limited spaces.

COMPLETE LINE-UP OF SPECIALIZED TRUCKS

Our new truck series offers a complete line-up of container trucks for empty and laden containers, as well as for RoRo handling. Few competitors can match our range of specialized trucks – from convenient empty container trucks and compact RoRo trucks to powerful full container trucks.

SMV lift trucks feature many innovative solutions, including the “box type” chassis, load-sensing hydraulics (power-on-demand), electronic controlled environmental engines, and a newly designed cabin with improved ergonomics. Another advantage is that we build trucks based on your needs, optimally adapting them for the heavy duties that await.

More efficient grip of empty containers

Empty container trucks usually work at a high pace, placing rigorous demands on both speed and efficiency. Our trucks are based on the latest technology, which means that they lift and handle containers with the highest speed and stability.

The extremely stable design and the torsion-resistant frame enable the trucks to stack 20 to 45 foot containers – with optimum precision. The smaller series lifts 4, 5, or 6 containers high, up to 8 tons in weight and single stacking. The larger series lifts 6, 7, or 8 containers, up to 9 tons in weight and single stacking. This series is also available with double stacking, which lifts “2 over 5” and “2 over 6.”

The extremely stable chassis and torsion resistant frame make it possible to handle empty containers quickly, efficiently, and with maximum precision.

Full capacity with full container trucks

When it comes to loading and unloading full containers, few competitors can match our trucks in lifting capacity and efficiency. Once again, modern technology, high performance, and stability are crucial. Our truck series lifts containers from 24 tons and 3 high up to a full 43 tons and 5 high. The series is available with the cabin mounted low at the front or high in the middle for optimal handling, visibility, and safety. The choice is yours!

Powerful RoRo trucks below deck

Handling heavy goods on board RoRo ships requires a low profile, compact measurements, and a powerful drive line. Our RoRo trucks have the same outstanding performance as our other trucks, but are usually just a bit peppier than our competitors, which is appreciated when driving heavy goods ramps on board ships. These trucks have often a versatile function in smaller ports since they also lift mixed goods such as steel, machines, flat racks, and bulky goods.





Double up. Equipped with a special double-stacking attachment, this truck empties containers with unbeatable speed.

Maximum strength in perfect balance

Our trucks are built on a unique, heavy-duty box chassis and combined with well selected components and engines that deliver high torque at low revs. To take maximum advantage of this power the trucks have well-tested load-sensing hydraulics for increased efficiency and better performance.

Power-on-demand reduces wear, fuel consumption, and environmental impact

The trucks are equipped with load-sensing hydraulics where the lifting power is adapted to the weight of the goods and the truck only provides maximum power on demand, when it's really needed. In other words, the truck consumes less power and fuel while reducing emissions and noise. This technology offers many advantages: easier lifts, smoother drive, and decreased wear on the hydraulics, engine, and gearbox.



Increased productivity with customized solutions

We know that every customer has special requirements for the truck's functionality and equipment. Our modular trucks are built based on your needs and requirements, which means the trucks can be tailored to your operations. You will appreciate the truck's high performance, excellent handling, and outstanding service.

We focus on the driver

Drivers must have a good workplace in order to work safely and effectively for long shifts. To meet this need, the cabins of our trucks are probably the best on the market, with unbeatable comfort, visibility, and ergonomics. The cabin features low noise levels and minimum vibration. The driver is not disturbed by vibrations from the engine or chassis. Large glass screens provide optimum visibility and the powerful ventilation system creates a pleasant climate. All instruments and adjustable controls are located at a comfortable distance from the driver. All container trucks are equipped with joysticks, providing drivers with greater efficiency and safety. Wouldn't you like to take a test drive?

Our complete line-up

- Container lift trucks for empty containers
- Container lift trucks for laden containers
- RoRo trucks for ships and ports





LIFE CYCLE COST – AN IMPORTANT FACTOR TO COUNT ON

Buying a truck is a long-term investment where the purchase price is only one part of the cost in the long run. Costs for service, maintenance, repairs, fuel and any downtime are a large part of the total cost during the truck's lifetime. The efficiency of the truck is another important factor. How many lifts can it handle per shift?

That's why it is important to choose a truck built to work continuously under demanding conditions, day in and day out. It's also why you should look closely at how service-friendly the truck is and how often it needs to be serviced. Other important factors are fuel consumption and emissions. With rising fuel costs, fuel efficient engines and load-sensing hydraulics can save you a significant amount of money.

A more cost-effective truck choice

Our trucks are equipped with load-sensing hydraulics that adapt the power of the engine to the weight of the goods. Compared with simple hydraulic systems that always require higher power, resulting in increased fuel consumption and more wear, this is an effective way to substantially reduce fuel consumption and emissions. If you choose a fork lift truck from us you can be sure it will do the heavy work for years – with productivity, reliability, and cost efficiency. Not to mention the low life cycle cost.

Same components make maintenance easier

Another unique advantage is that we essentially use the same types of components – engine, gearbox, hydraulics and electrical system – in all of our models. This means that if you have several different SMV trucks you can manage with fewer spare parts.



QC COLLABORATION TO ACHIEVE THE BEST TOTAL FINANCIAL PIC

Our goal is to work with our customers for the long-term. An important element in this cooperation is our Quality Concept (QC) which was formulated to offer you a long and successful ownership. The purpose of QC is to give you the best total cost of ownership. Quite simply, we want to share our knowledge to ensure that your truck from Konecranes Liftrucks will become the leading, most cost-effective solution.



The right service keeps the truck rolling

The right service carried out professionally is essential for a long lifetime for the truck with a minimum of downtime. Our trucks are designed to make it as simple as possible to carry out service and maintenance. All service points are logically located to get the trucks back up and running quickly. Every truck we deliver has a set service schedule and we offer the necessary service through our distributors.



Spare parts to all parts of the world

Feel secure knowing that you can get the parts you need fast – no matter where you are. We deliver promptly from our global network of distributors and partners or directly from our main warehouse. Daily shipments are available if you order parts from our main warehouse before 12 noon (Swedish time). This quick delivery applies to consumable parts that are always in stock.



TURE



Global service organization

As one of the world's leading manufacturers of heavy trucks, our customers also have high expectations for our ability to offer service. Our global service organization enables us to offer the service you need. You can also choose from various service agreements to ensure that your truck receives continuous maintenance and the best service available.



Customer service

An important element of our cooperation is that you always receive the best service in your contacts with us and our distributors. High accessibility and a flexible organization – with dedicated employees and short decision-making paths – mean that you get answers fast. When you contact us you receive personal attention.



Technical support – help when you need it

Technical support and expert problem solving are important elements for limiting breakdowns and avoiding unnecessary standstills. Our technical support gives you skilled help when you need it. You can reach the service department either locally or at our head office in Sweden, where you have access to technical specialists and experienced employees.



Training

We offer customized training for service technicians and drivers in cooperation with our distributors. The training program is tailored to the truck's application and equipment.



CONTAINER LIFT TRUCKS – EMPTY

HEAVY ADVANTAGES FOR EASIER RELOA

Take a closer look at some of the many technical advantages that a truck from Konecranes Lifttrucks offers. Various innovative solutions combine to produce a truck with unique performance, efficiency, and ergonomics. To experience the operator-friendly, comfortable cabin and the superb interplay between power and function, we invite you to take a test drive.

Lift masts adapted to container handling optimize the trucks for your operations. Minimum number of tubes and cables in the mast for decreased maintenance costs and more available working time.

The trucks are equipped with **load-sensing hydraulics** where the lifting power is adapted to the weight of the goods and the truck only provides maximum power on demand, when it's really needed. In other words, the truck consumes less power and fuel while reducing emissions and noise.

Electronic controlled monitoring of engine, transmission and spreader with CanBus technology which gives increased reliability.



Ergonomic cabin built for the ultimate in comfort, ergonomics, and visibility. The cab features low noise levels, minimum vibration, and a good overview of all instruments and controls.

Joysticks are standard equipment on all our container trucks.



Powerful low emission engines provide high torque at low revs, reduce consumption, and meet current environmental requirements.



With a **attachment for double stacking** of containers the truck can lift "2 over 5" and "2 over 6".



DING



Service and Maintenance

To reduce maintenance costs during the lifetime of the truck we have extended the service interval on the engine (500 hrs), gearbox (1,000 hrs), and hydraulics (2,000/4,000 hrs).

Wide mast enables the truck to lift 8 containers high (21 meters). Minimum number of hoses and cables in the mast for decreased maintenance costs and more available working time.

Box-type chassis strongest in the market; provides higher lifting capacity.

Wide drive axle and long wheel base. Two important factors: for maximum stability. (Unbeatable formula for stability.)

Maintenance-free brakes mean that the truck always has full braking power in every situation – all day, every day. Brakes feature continuous oil cooling.

TECHNICAL DATA

Chassis "box type"

- Heavy-duty box-type chassis
- Cross members in front/rear of the chassis
- High torsional strength with low stresses

Engine "low-emission"

- Certified diesel engines (Scania-Volvo-Cummins)
- 6-cylinder/turbo-charger/intercooler
- High flat torque curve at low revs for improved performance

Automatic Transmission

- Electronic control/monitoring/CanBus technology
- Automatic gear shift/reverse protection/inhibitor
- Neutral-only starting device/electric inching

Drive Axle/Brakes

- Extra wide drive axle/hub reduction/differential
- Wet Disc Brakes with oil cooling
- Fail-safe brake system/dry disc parking brake

Hydraulic System

- Load-sensing hydraulics/variable piston pumps
- Fuel efficient/low energy hydraulics "Power-On-Demand"
- High-speed lifting and lowering

Electric System

- Electric system 24V/CanBus/EMC-approved
- Full road lighting for the complete truck
- Electronic monitoring for engine and transmission

Driver's Cabin

- Modern/spacious cabin for optimal ergonomics
- Very good visibility in all directions (no front posts)
- Joystick operation (ECH/FCH)
- Low noise level and minimum vibrations

Lift Mast

- Extra wide strong masts with roller bearings
- Welded masts/double lift cylinders/lift chains
- High tilt cylinder mountings/in low stress zones

Attachments ECH

- Telescopic sidelift spreader for 20-40 ft containers
- Self-levelling end beams 210 mm or Power Pile Slope
- Single stacking or double stacking available

OPTIONS

- Various engine ratings (power/emissions)
- EMC system/functions, i.e. full monitoring, mini steering etc
- Larger sideshift ± 600 mm
- Power pile slope ± 210 mm
- High cabin position 5100 mm (5-8 high)

STRONG ADVANTAGES LIGHTEN THE BUR OF FULLY LOADED CONTAINERS?

Lifting fully loaded containers day in and day out with minimal standstills places incredibly high demands on design and reliability. Here are a few explanations for why our laden container lift trucks provide unsurpassed performance and efficiency.



Lift masts adapted to container handling optimize the trucks for your operations. Minimum number of hoses and cables in the mast for decreased maintenance costs and more available working time.

Box-type chassis strongest in the market; provides higher lifting capacity.

Electronic controlled monitoring of engine, transmission and spreader with CanBus technology which gives increased reliability.

Maintenance-free brakes mean that the truck always has full braking power in every situation – all day, every day. Brakes feature continuous oil cooling.



Wide drive axle and long wheel base. Two important factors: for maximum stability. (Unbeatable formula for stability.)

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Ergonomic cabin built for the ultimate in comfort, ergonomics, and visibility. The cab features low noise levels, minimum vibration, and a good overview of all instruments and controls.



Joysticks are standard equipment on all our container trucks.

Service and Maintenance
To reduce maintenance costs during the lifetime of the truck we have extended the service interval on the engine (500 hrs), gearbox (1,000 hrs), and hydraulics (2,000/4,000 hrs).



Powerful low emission engines provide high torque at low revs, reduce consumption, and meet current environmental requirements.



The trucks are equipped with **load-sensing hydraulics** where the lifting power is adapted to the weight of the goods and the truck only provides maximum power on demand, when it's really needed. In other words, the truck consumes less power and fuel while reducing emissions and noise.

TECHNICAL DATA

Chassis "box type"

- Heavy-duty box-type chassis
- Cross members in front/rear of the chassis
- High torsional strength with low stresses

Engine "low-emission"

- Certified diesel engines (Scania-Volvo-Cummins)
- 6-cylinder/turbo-charger/intercooler
- High flat torque curve at low revs for improved performance

Automatic Transmission

- Electronic control/monitoring/CanBus technology
- Automatic gear shift/reverse protection/inhibitor
- Neutral-only starting device/electric inching

Drive Axle/Brakes

- Wide drive axle/hub reduction/differential
- Wet Disc Brakes with oil cooling
- Fail-safe brake system/dry disc parking brake

Hydraulic System

- Load-sensing hydraulics/variable piston pumps
- Fuel efficient/low energy hydraulics "Power-On-Demand"
- Hydraulic servo-assisted levers

Electric System

- Electric system 24V/CanBus/EMC-approved
- Full road lighting for the complete truck
- Electronic monitoring for engine and transmission

Driver's Cabin

- Modern/spacious cabin for optimal ergonomics
- Very good visibility in all directions (no front posts)
- Joystick operation (FCH)/4 lift levers (RoRo)
- Low noise level and minimum vibrations

Lift Mast

- Strong free-visibility masts with roller bearings
- Welded masts/double lift cylinders/lift chains
- High tilt cylinder mountings/in low stress zones
- Compact "slim" design/good visibility/driver safety

Forks with Power (RoRo)

- Hydraulic sideshift/fork positioning/integrated forks

Attachments FCH

- Telescopic toplift spreader for 20-40 ft containers
- Sideshift ± 200 mm
- Reach 240 mm
- Slew ± 3 deg

OPTIONS

- Various engine ratings (power/emissions)
- EMC system/functions, i.e. full monitoring, mini steering etc
- Different spreaders for RoRo-trucks
- Larger sideshift ± 400 mm on spreader
- Different cabin positions/optimized visibility – safety

**SMV CONTAINER LIFT TRUCKS
8-45 TONS**

KONECRANES®
Lifting Businesses™



NOT JUST LIFTING THINGS BUT ENTIRE BUSINESSES

Konecranes customer services and lifting equipment keep production processes up and running around the world, meeting tough end-user demands for increased uptime, reliability, safety, top performance and the lowest possible lifetime costs, supported by 7,000 employees, at more than 340 locations in 38 countries.

Konecranes Liftrucks is a part of Konecranes the world-leading group of lifting businesses, serving manufacturing and process industries, shipyards and harbours with productivity-enhancing lifting solutions and services.



We build trucks based on your needs, which makes them ideal for your purposes. These are some of the factors that make Konecranes Liftrucks a leading manufacturer in terms of quality, productivity, and life cycle cost. We offer you three complete lines of trucks.

SMV Fork Lift Trucks is one of the market's most extensive range between 10 and 60 tons. In addition, few competitors can match our selection of the biggest machines.

SMV Container Lift Trucks for empty and laden containers, as well as for RoRo-trucks, a complete line-up of specialized trucks.

SMV Reach Stackers for handling empty and laden containers, for trailers on railroads with multiple tracks, and for loading barges at waterways. We also have Reach Stackers for industrial handling of steel, heavy machinery, concrete and similar goods.

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