

**FORK LIFT TRUCKS
10-60 TONS**

KONECRANES®



**A NEW VIEW OF EFFICIENT
MATERIALS HANDLING
IN INDUSTRY**

SMV FORK LIFT TRUCKS



Handling of paper bales with integrated clamp unit (10-13.6 tons).



Environmentally friendly trucks adapted for sawmills. Available with many options (12-16 tons).

For over 50 years, Konecranes Liftrucks has worked closely with industry to offer powerful, customized trucks with outstanding performance and maximum reliability. Heavy loads of wood, steel, paper, concrete, machinery and industrial products are everyday tasks for our trucks. We constantly seek new solutions to make our machines even more efficient, environmentally-friendly, and economical.

Handling larger coils and slabs requires bigger trucks (10-60 tons).



MOVE HEAVY GOODS THE COST-EFFECTIVE

Our new fork lift truck series gives you access to the market's most extensive and complete line of large fork lift trucks between 10 and 60 tons. In addition, few competitors can match our selection of the biggest machines. SMV fork 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.

We build trucks based on your needs, which makes them adapted 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.

Maximum strength in perfect balance

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

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

The fork lift trucks are equipped with load-sensing hydraulics that adapts the lifting power to the weight of the goods; 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 noise and emissions. This technology offers many advantages: more convenient lifting, smoother running, and decreased wear on the engine, gearbox, and hydraulics.



Raw power for heavy raw materials.
Lifting steel slabs and coils requires large trucks – up to 60 tons.



Changing tires on giant mine trucks requires precision (15-25 tons).



Handling heavy concrete elements requires a wide carriage and side cabin (16-42 tons).



Secure grip of paper rolls. Handling 2, 4 or 6 rolls in the attachment (12-16 tons).



Heavy as a rock. Large stone blocks give high dynamic weight that often require powerful trucks (25-45 tons).

WAY

Increased productivity with customized solutions

We know that each customer has special requirements for the truck's function and equipment. Our modular trucks are built based on your needs and requirements, which means the trucks are tailored to your operation. You will appreciate the truck's high performance, excellent handling, and ease of service.

We focus on the driver

Drivers must have a good workplace in order to work safely and effectively through 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.

Here's where you find our trucks

- Sawmills and wood industry
- Paper mills and pulp industry
- Steel mills and aluminum plants
- Shipyards and engineering industry
- Stone, concrete, and brick
- Automotive industry
- Ports and railways
- Transport and logistics companies



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.

QC COLLABORATION TO ACHIEVE THE BEST TOTAL FINANCIAL PICTURE



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.



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.





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.



IMPORTANT ADVANTAGES THAT MAKE IT EASIER TO CARRY OUT A HEAVY JOB

Take a closer look at some of the many technical advantages that a truck from Konecranes Liftrucks offers. Various innovative solutions which together give a truck with unique performance, efficiency and ergonomics. If you would like to experience the driver-friendly, comfortable cabin and the superb interplay between power and function, we invite you to take a test drive.

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 long, every day of the year. Brakes feature continuous oil cooling.



Service and Maintenance

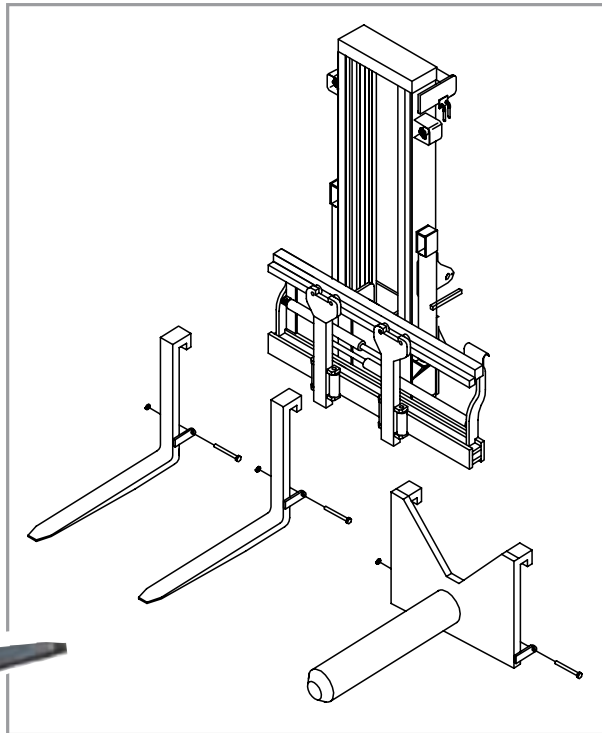
To reduce maintenance costs during the lifetime of the truck we have extended the service interval on the engine (500 hrs), gearbox (1,000 hrs) and hydraulics (2,000/4,000 hrs).



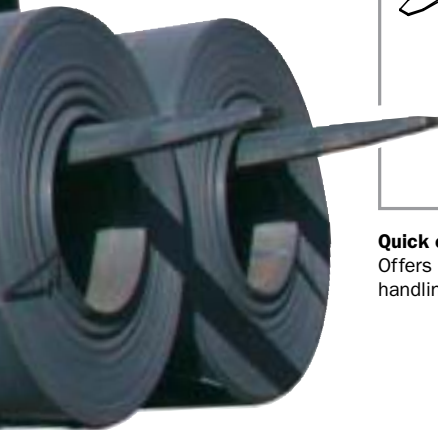
Ergonomic cabin built for the best in comfort, ergonomics, and visibility. The cabin has a low noise level, minimum vibration and a good overview of all instrument and controls.

A large selection of lift masts

makes it possible to optimize the truck for your operation. Choose between Duplex (with/without free lift) and Triplex (with free lift).



Quick change system for different forks, coil rams or attachments. Offers unique flexibility and greater efficiency. For all materials handling, including steel, wood, paper, and containers.



Powerful low emission engines provide high torque at low revs, reduce fuel 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

- 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"
- 4 hydraulic functions (lift-tilt-sideshift-fork position)

Electric System

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

Driver's Cabin

- Modern/spacious cabin for optimal ergonomics
- Excellent visibility in all directions (no front posts)
- 4 lift levers/hydraulic-servo/smooth operation
- Low noise level and minimum vibrations

Lift Mast

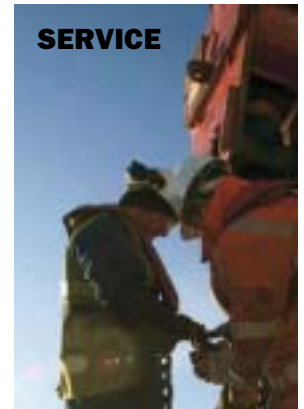
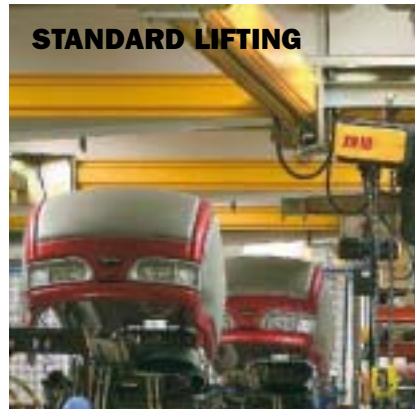
- Wide range of free-visibility masts
- Welded masts/double lift cylinders/lift hains
- Compact "slim" design/good visibility/driver safety

Forks with Power

- Hydraulic powered sideshift and fork positioning standard
- Integrated forks, quick-change forks or off-center forks

OPTIONS

- Various engine ratings (power/emissions)
- Different lift masts and customized fork carriages
- Fork levelling, inverted forks or special forks
- Fork shaft system using forks, coil rams or spreaders
- Attachments for pulp & paper, concrete, steel or containers
- EMC system/functions, i.e. full monitoring, mini steering etc



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.