

# Are you looking for a real boost in your forklift productivity?

We offer reach trucks that can increase  
operating time by up to 30%:

ETV 110 / 112

ETV / ETM 214 / 216

ETV / ETM 318 / 320 / 325

**JUNGHEINRICH**  
Machines. Ideas. Solutions.®



# You can trust our new technologies, which are setting the standard once again. We have more than 60 years of experience doing just that.

Our reach trucks are setting new standards in throughput with higher acceleration, faster lift and reach speeds, energy consumption with high performance, and helping increase productivity by up to 30%.

#### Enhanced safety and efficiency

For more than 60 years, our powerful and reliable reach trucks have been stacking and transporting in the warehouses of the world. Today, one out of every three reach trucks is in the Jungheinrich® brand. The reason is simple – they have proven to be reliable and help increase businesses' profits. So why not take advantage of this efficiency? Turn the advantages of our reach trucks to your own advantage.

#### Top-quality hydraulic system

Hydraulic plug connections with minimum resistance reduce energy consumption between the pump, valves and hydraulic cylinders. The advantage: high pump speeds help ensure high efficiency levels for numerous tasks.

#### First-rate motor output

The first-rate output of our travel and pump motors means more than just high output data and speeds.

For us, first-rate motor output also includes:

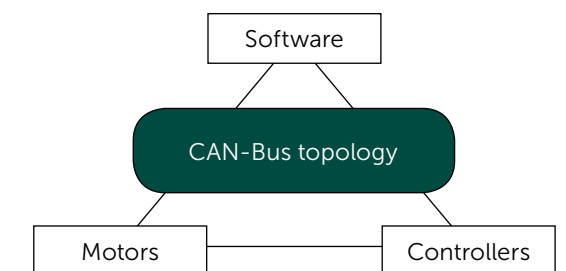
- Always providing the correct solution for minimum energy consumption
- High quality motor manufacturing in our own plant by experienced development engineers
- Energy recovery during braking with energy fed back to the battery

First-rate motor output means maximum efficiency for us – helping to provide an extremely long service life for your trucks, even under the harshest operating conditions.

#### Maximum functional reliability

For our reach trucks, maximum performance goes hand-in-hand with best-in-class functional reliability. The most recent example of this: controllers with fully-encapsulated electronics that meet the stringent IP 54 protection rating as well as sealed connector systems.

The advantage: reliable long-term operation, when encountering strong vibrations and under severe climatic operating conditions. The travel and lift control electronics are also encased in a sealed housing, which guarantees the best thermal properties with regard to thermal losses.



Everything from a single source: software, motors and controllers. Perfectly coordinated ensures maximum power with minimum energy consumption.



JUNGHEINRICH  
RTV 9.0

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# Every operator sits, drives, steers, controls and works differently. That's why we've included a number of class-leading ergonomic ideas.

SOLO-PILOT



MULTI-PILOT



## Productivity-enhancing ergonomics

The low entry height ensures easy entry, making the operator's first contact with the series a pleasant experience right from the start. The generous footwell and electric steering – without a steering column – provide leg space to enhance the operator's overall comfort level. The horizontally-adjustable steering wheel and storage compartment for personal items and work material complete the ergonomic experience.

## Low-vibration operator's seat

The outstanding combination of seat and seat support help to ensure the most effective vibration damping. This low-vibration design guarantees increased productivity due to longer operating times – without exceeding limit values for maximum exposure to vibrations set out in the operator guidelines.

## Maximum ease of handling

Our Series 2 and 3 moving mast reach trucks offer you effortless handling of both lift truck and load: with intuitive control of the hydraulic lever and travel direction switch, an automotive-style pedal arrangement and a short wheelbase for excellent maneuverability. All of this helps make the operator's shift easier.

## SOLO-PILOT control lever

Integrated in the armrest, the SOLO-PILOT control lever ensures precise control of the travel/lifting functions by fingertips alone. The switches and levers are allocated in a conventional manner to a single function.

## MULTI-PILOT control lever (optional)

Integrated in the armrest, the MULTI-PILOT has a layout similar to a joystick. All functions are comfortably situated for the operator's hands. MULTI-PILOT is the ideal control option for maximum stacking and retrieval performance.

## Curve Control for better safety while cornering

Curve Control automatically reduces the travel speed when cornering, depending on the degree of the steer angle. Electric braking engages and keeps centrifugal forces at a constant low level. The advantage: the risk of hazardous rocking or even tipovers can be effectively reduced.



## The best basis for fast and reliable stacking

- Extremely stable mast with high residual capacities 2,200 lbs. (1,000 kg) up to a lift height over 32 feet (10 m).
- Highest lift speeds with rated load 1.67 fps (0.51 m/s) for 3,000 lbs. (1,400 kg).
- Mast reach damping system (optional) to prevent time-consuming mast sway during stacking and retrieval.
- Low overall heights for applications with low overhead clearance heights.

## Good visibility for quality work

- Narrow roof allows for excellent visibility.
- 100% clear view with panorama roof panel (optional).
- Wide visual range forward window for excellent view of the forks and load.
- Spotlight on the fork carriage (optional) for excellent visibility even at high lift heights in dark conditions.
- Video camera (optional) with additional color display.

## Residual time display to protect the battery

The battery residual time display indicates in hours and minutes when the battery will need recharging. When the last bar goes out, the lift function will be automatically deactivated – although the drive and mast reach functions required for changing the battery remain available. This significantly reduces the risk of dangerously draining the battery.

## The battery can be easily exposed or locked at the touch of a button

Just touch the button and the mast moves into position for unlocking the battery. The operator doesn't need to exit the truck. It's just as easy after charging or replacing the battery: simply pull back the mast and the battery is already securely locked again.



**Well informed at all times through the operator display**

The operator display unites a number of functions in one control panel. Function keys with one clear function, indicator lights and an LCD display provide the operator with access to all the performance parameters, enabling them to remain in control of any situation.

Handle for safe entry/exit

Horizontally-adjustable steering wheel

Location for refreshments or personal items

**Three adjustable travel programs for every application. The programs can be changed at any time by the operator.**

**Profile 1:**

Transporting fragile goods or driving in sensitive environmental conditions.

**Profile 2:**

Applications requiring average speeds and maximum uptime.

**Profile 3:**

Situations that may require maximum acceleration, travel / lift speed and throughput.

Direct access to storage trays

Wide armrest

More free space to the left and right of the seat

Low-vibration seat

Shoulder protection

Generous footwell

Low entry/exit height

**JUNGHEINRICH**  
ETV 216



## Do you have specific needs for your business? **We have the right solution for you.**

### **Fast, easy and reliable stacking and retrieval with Position Control (optional)**

Just press the SNAP button: the lift speed is reduced briefly. Then the next racking beam is approached automatically, and the load stops precisely at the required lift height. The correct height is detected either with or without a load.

### **Stacking/retrieval with video monitoring (optional)**

Our video camera gives you precise, rapid access to extremely high pallet locations. The position of the camera on the forks enables operators to efficiently and reliably control the stacking/retrieval from their convenient seated position/viewpoint. They do not have to look up, thereby noticeably reducing the strain on their shoulders and neck.

### **100% clear view with panorama roof panel (optional)**

The panorama roof panel provides excellent visibility of the load and fork without the interference of cross beams.

### **Wireless data processing (optional) for up-to-date stock details**

Data radio connection allows for wireless data transfer. The radio data terminal with intuitive operation helps ensure error-free work in real time without paperwork.

### **Weight control at the touch of a button (optional)**

The weighing function provides reassurance that the residual capacity has not been exceeded. After the load is lifted, the weight can be displayed on the monitor at the touch of a button (75 lb tolerance range).

### **Spotlights on the fork carriage for increased visibility**

In dark environments, spotlights on the fork carriage provide good visibility, even at high lift heights.

### **Fastest mast reach possible with Lift Control (optional)**

Sensor rollers in the mast and pressure sensors in the hydraulic circuit provide data to calculate the maximum reach speed for the mast. The speed for the mast reach is then maximized depending on the lift height and load weight. This optimized reach speed further boosts productivity by up to 13%.

### **Speed at the touch of a button (optional)**

Quick, easy and reliable positioning at the touch of a button: central positioning of the sideshift and horizontal alignment of the fork. There is no time-consuming "feeling your way" up to the required location.

### **Maximum performance at low temperatures with cold storage equipment (optional)**

The flow of goods remains flexible and on the move even at -22°F (-30°C) with our cold storage equipment. Special equipment also provides reliable protection for the operator (heated leather seat, etc.) and truck systems (sealed controllers and encased plugs). Trucks are protected against corrosion by a special powder coating. The cold storage cab is recommended for continuous use in cold storage applications.

### **Limit switch system offers fork protection (optional)**

The limit switch system prevents damage to the load, wheel arms or forks for applications with attachments. When being lowered, retracted or extended, the forks are automatically stopped in an end position. This prevents a collision with the support arms.

# Setting The Standard: Emissions And Efficiency.

## **Double digit decrease in CO<sub>2</sub> emissions over 10 years.**

We have drastically reduced the CO<sub>2</sub> emissions for our entire truck range over the last ten years – by more than 25% for electric and diesel/LPG forklift trucks and by more than 35% for vertical order pickers and narrow aisle/reach trucks. We have done this with a series of technological innovations which are currently setting the standards for the reduction of CO<sub>2</sub> emissions.

## **Less CO<sub>2</sub> emissions also mean reduced energy costs.**

Our entire product cycle now features technical innovations for reducing CO<sub>2</sub> emissions, from manufacturing through usage to reconditioning. Our high-tech solutions are really setting standards in the usage phase, which is where 80–90% of all emissions occur.

You can use this Jungheinrich advantage to your advantage: to immediately reduce your energy costs considerably, while simultaneously achieving maximum throughput rates.



# Who Is Jungheinrich? Your Trusted Partner For More Than 60 Years.

## Founded by Dr. Jungheinrich in 1953

Jungheinrich, the leader in system technology in Europe, offers a comprehensive product range of material handling equipment and rack systems as well as services for complete intralogistics.

Jungheinrich has evolved from a producer of material handling equipment to a manufacturing logistics service provider.

## How does the company rank?

Jungheinrich has progressed from its early beginnings to one of the world's leading suppliers of:

- industrial trucks
- warehousing technology
- material flow technology

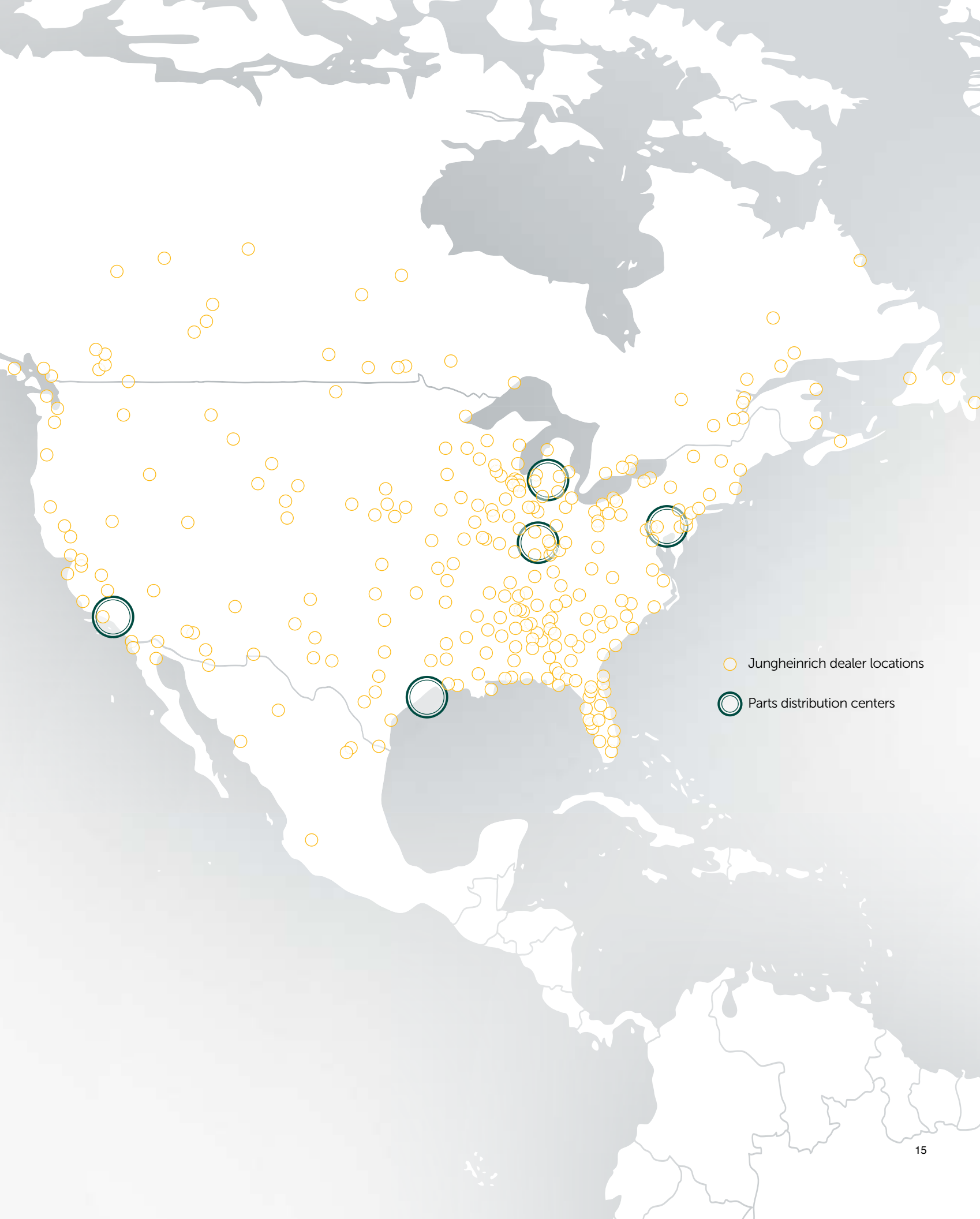
Jungheinrich is also one of the world's largest forklift suppliers. This growth is substantially due to the company's strict adherence to top quality design and technological innovation – as evidenced by its proprietary AC motor and controller technology, as well as a host of productivity and ergonomic enhancements.

## Local support throughout North America

Jungheinrich has strategically-located service support centers and more than 330 dealer / service facilities throughout the U.S., Canada and Mexico.

## Parts when you need them

Jungheinrich's Parts Fast or Parts Free Guarantee ensures next-business-day delivery by 5:00 PM of all Jungheinrich parts in the United States, or they're free, including freight. For customers in Canada and Mexico, the guarantee ensures shipping of parts within 24 hours from the time the order was placed by the dealer. See your local Jungheinrich dealer for program details.



\*Orders must be placed through your local dealer by 5:00 p.m. Eastern Standard Time, and you must advise the dealer at the time of order that the part is to be expedited under the terms of the guarantee. There are some exclusions, including parts over 100 lbs and paint, chemicals or lubricants that require special handling. Ask your dealer for a full list of terms and conditions for the Parts Fast or Parts Free Guarantee. Programs may be subject to change without notice and may vary by region. Please ask your local Jungheinrich dealer for complete terms and conditions.



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www.jungheinrich-lift.com

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