

**ETR 230/235/  
340/345/335d  
/420/416d**

# **Pantograph Reach Truck**

3,000-4,500 lbs. capacity

**JUNGHEINRICH**<sup>®</sup>



# What Do You Expect From Your Reach Truck?

Energy Efficiency | Precision | Stability | Excellent Visibility





Our ETR 230–416d series is setting new standards in reach truck performance. Delivering longer run times – up to two shifts on one battery charge guaranteed on select models– and the class-leading performance and efficiency that your business demands.

**Trust in Jungheinrich®**

For more than 60 years, our efficient and reliable reach trucks have been stacking and transporting in warehouses across the world. Today, one out of every three reach trucks in use around the globe is from Jungheinrich®.

Known for technologically-advanced features, excellent ergonomic designs, and excellent efficiency, customers have come to recognize Jungheinrich trucks for their proven reliability and lower total cost of ownership, making them a critical part of today’s warehouse productivity.

**Experience the difference**

The ETR series incorporates Jungheinrich’s expertise in technology and design to make these reach trucks not only energy efficient, but dynamic in precision and control – providing excellent productivity for your business.

**Key advantages:**

- Runs 2 shifts on 1 battery charge
- Excellent stability for greater operator confidence
- Dynamic lift speed – up to 165 ft. / minute
- Intuitive control options for easy and precise operation
- Premium ergonomic designs for sustained comfort
- Lower total cost of ownership

# Efficient From The Inside Out: Select Models Run 2 Shifts On 1 Battery Charge. Guaranteed.



## Setting the standard:

### Advanced AC technology

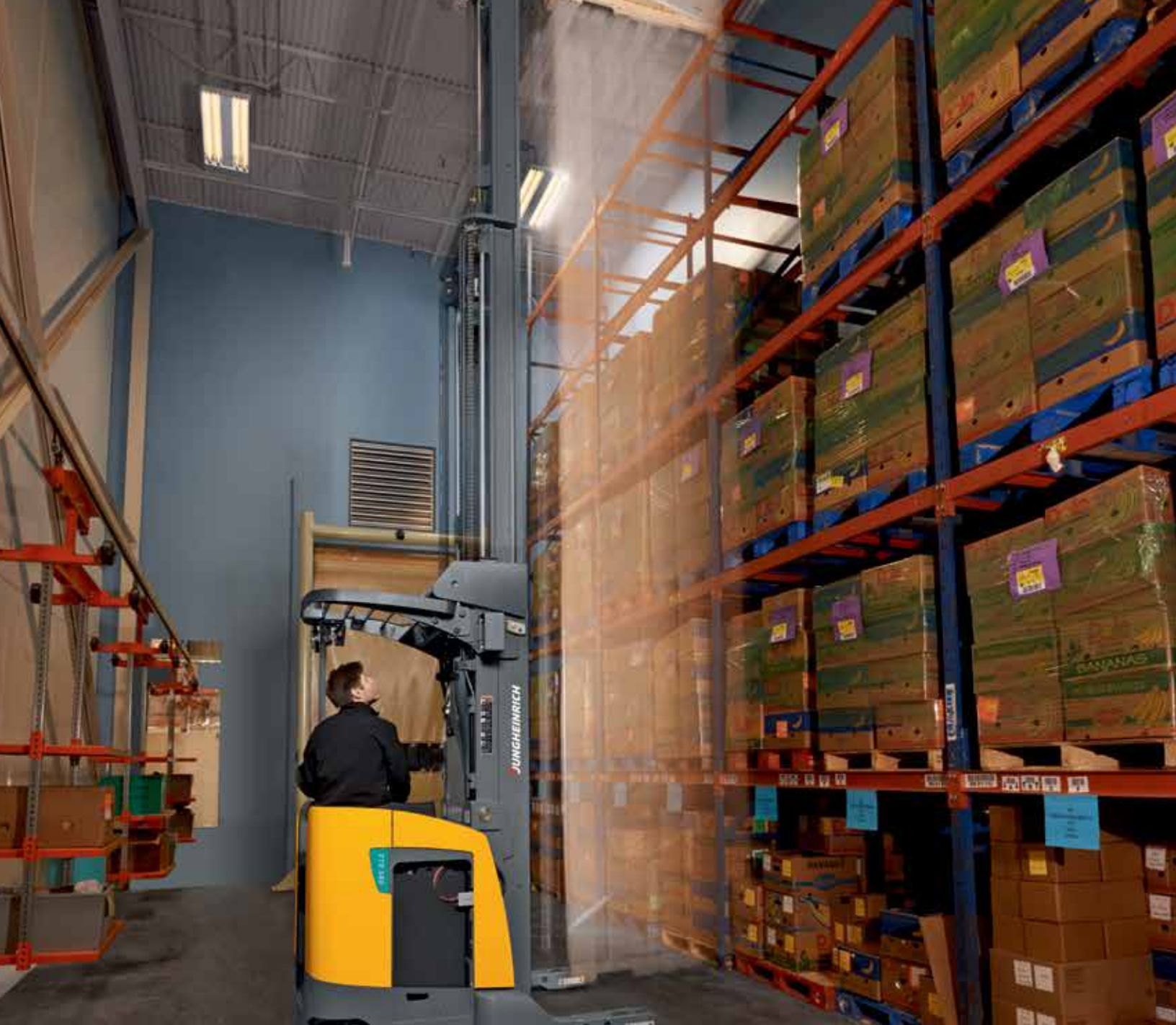
Jungheinrich set the standard for 3-phase AC technology with the development of the industry's first 3-phase AC system more than 20 years ago. Over the years, we've continued to perfect this technology, further improving reliability and efficiency by delivering longer run times and even higher performance levels.

Integrated into the design of these reach trucks, this advanced technology delivers:

- Low energy consumption
- Longer run times
- Powerful acceleration
- Leading lift speeds – up to 165 feet per minute
- High level of efficiency with excellent energy management
- Quick change in direction of travel without hesitation

## Sealed components for maximum reliability

The ETR series features sealed components to help ensure reliable operation over the long-term and to provide added protection in severe conditions, such as cooler or freezer applications.



### **Industry-leading run times**

The ETR series of reach trucks has the unique ability to run two shifts on one battery charge, guaranteed on select models, saving your business valuable downtime and money. Jungheinrich's advanced system is one-of-a-kind, bringing together all the major components – software, motors and controllers – for superior efficiency, productivity and speed.

### **Consistent brake performance, less maintenance**

We took our braking design one step further with advanced regenerative braking. This feature puts kinetic energy back into the battery when the truck is slowing down or reversing direction. The benefit: consistent performance, further protecting the reach truck from wear or additional maintenance.

### **Industry-leading lift speeds**

The ETR's hydraulic system achieves a lifting speed of up to 165 feet per minute – one of the fastest in the industry. The result is faster placement and pick-up of loads for greater throughput and efficiency.

### **Lithium-Ion Availability:**

- Greater power efficiency
- Run for 24 hours a day, 7 days a week with opportunity charging
- Zero battery maintenance
- No watering
- No more battery exchanges
- No gas emissions, odor or acidification
- No special charging areas or equipment needed
- Longer lasting life cycles (up to 3,000)
- 5-year warranty on batteries
- 2-year warranty on chargers



# Precision Made Simple: Speed, Handling And Performance.

Operators can move more pallets quickly due to the ETR's precise handling and superior stability – even at high lift heights. Your operators will also feel confident thanks to Jungheinrich's exclusive and traditional control handle and security features – providing them with excellent productivity, all day long. A horizontal-style multifunction control handle which mimics a competitor's design is also available as an option.

## Intuitive operator controls

Our exclusive Jungheinrich-designed control handle allows qualified operators to easily maneuver the reach truck, providing outstanding job accuracy and efficiency. Icons are directly integrated into the handle, making operation more intuitive and allowing for more precise handling of loads. If an operator is already accustomed to operating reach trucks with a competitor-style control handle, our optional horizontal-style multifunction ECHO control handle provides flexibility and helps to minimize learning curve.

## Additional Features

**Automatic speed reduction** – Jungheinrich curveCONTROL automatically reduces travel speed when the reach truck turns past a predetermined steer angle, despite the operator's drive speed command.

**Steer with control** – Positioning the reach truck in an aisle is simplified with the ETR's electronic power steering. This drive-by-wire system is extremely smooth and quiet and requires minimal effort to operate.

**Automatic parking brake** – The electromagnetic brake is mounted to the top of the drive motor and is only deactivated when the operator commands travel. It is automatically set when power is turned off or the operator steps off the traction pedal.



**Customized performance** – Three programmable performance levels can be pre-set and changed at any time.

- 1 Transporting fragile goods or driving in sensitive environmental conditions
- 2 Applications requiring average speeds and maximum uptime
- 3 Situations that may require maximum acceleration, travel / lift speed and throughput

**Customized for your business** – Jungheinrich service software allows our dealers to customize the reach truck's many performance settings for your business. From indoor speed limits to regenerative braking, our dealer-trained technicians can tailor the settings to maximize your operators' performance and operating experience.





# Reaching New Heights With Confidence

The ETR series delivers excellent stability at high lift heights. The benefit to you? Greater operator confidence, while reducing the risk of costly product damage.



## Confident stability, more control

- Dual-articulating load wheels provide more contact area to the floor, helping to more evenly distribute load forces at very high lift heights.
- The advanced mast was designed to support increased load stability at high lift heights and provide ultra-smooth pantograph performance.

## Informative display

The informative LCD display panel shows numerous operating conditions and parameters, providing excellent awareness for the operator. Features include indicators for battery discharge, 360° travel direction, performance level and LED warning lights.



## Operator compartment

- Soft rubber back, arm and knee cushions wrap the operator in a continuous 270° range for added comfort.
- Sit-down operation capability on wide chassis models provides sustained comfort.
- Ergo-cushioned floor helps reduce operator fatigue.
- Low-entry, 9-inch step height for easy entry and exit.
- Strategically-positioned, small, 7-inch diameter steering wheel for precise handling.



## Excellent visibility

- Wide channel spacing and stacked hydraulic hosing help maximize the operator's view forward.
- Overhead guard bars are strategically angled to allow for excellent viewing of the mast and load when lifting.
- Standard dual leg overhead guard offers excellent side and rear visibility.

# WHO IS Jungheinrich?

## THE LEADING ELECTRIC LIFT TRUCK MANUFACTURER

### **Our name may sound strange – JUNGHEINRICH (Young-Hine-Rick).**

But it's a name you should know. We're the world's leading brand of electric lift trucks. While others are new to electric, our 5<sup>th</sup> generation technology and more than 60 years of electric lift truck design experience allow us to deliver two shifts on one charge – guaranteed – for greater productivity.

### **Strong Local Support And Expertise.**

- » 340+ dealer locations throughout the US, Canada and Mexico
- » 24-hour parts delivery guarantee
- » Industry's only 1,000-hour service intervals

### **Run 2 Shifts on 1 Battery Charge – Guaranteed on select models**

Never stop a shift to charge, and take your operations to a higher level.

- » Guaranteed to run 16 hours on a single battery charge
- » No interim charging
- » No battery changing
- » No additional battery needed
- » Offered on several Jungheinrich models



Note: Equipping this model (these models) with a power source (e.g. Lithium-ion, Hydrogen Fuel cell, etc.) that has not been previously approved by the factory is considered a modification. Per OSHA 1910.178 and ANSI/ITSDF B56.1, please consult with your factory representative prior to installing any non-OEM power source that has not been previously approved.

\*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.

1-877-JH-FORKS  
[www.logisnextamericas.com/jungheinrich](http://www.logisnextamericas.com/jungheinrich)

