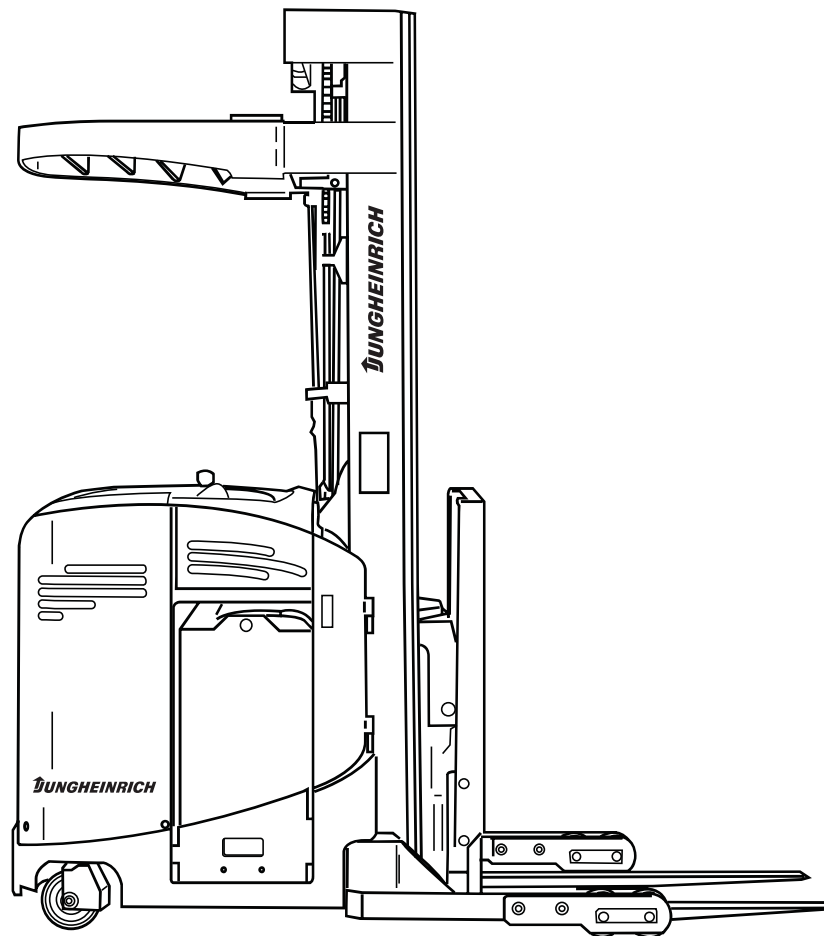


# ETR225d, ETR230dp, ETR230-ETR345p, ETB230, ETB340

## Operating Instructions

99750-J6100

01.10



ETR230  
ETR235  
ETR340  
ETR340p  
ETR345  
ETR345p  
ETR225d  
ETR230d  
ETR230dp  
ETB230  
ETR340

**JUNGHEINRICH**

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# Safety Rules for Reach Truck Operators

## ◆ Safety Rules

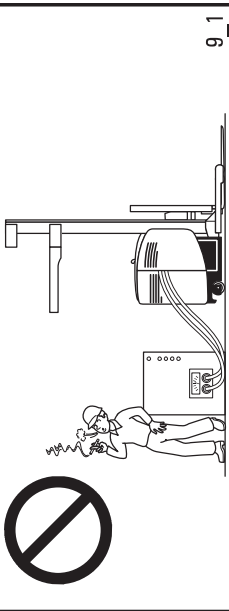
**! WARNING**



100870

Authorized, trained operator only!  
Thoroughly learn how to operate a reach truck and the safe areas and surfaces to travel before you drive one.

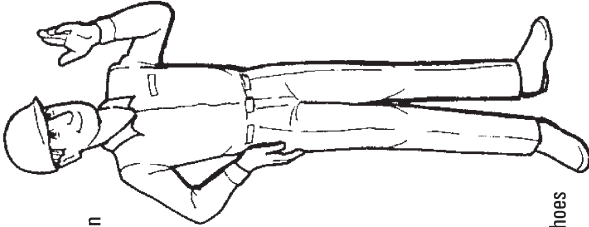
**! WARNING**



9\_1

**Fire hazards!**  
Always charge the battery in a well ventilated area. **DO NOT** smoke, keep flames away. **DO NOT** use equipment that is liable to produce sparks in this area.

**! WARNING**



You may need:

- Safety goggles
- Hearing protection
- Hard hat

Safety shoes

100604

Dress properly for the job!  
**DO NOT** wear loose clothing or accessories—flapping cuffs, dangling chains, neck ties, scarves, or rings—that can catch in moving parts.

**! WARNING**



100605

**Be alert!**  
Know how to use a first aid kit and a fire extinguisher—and where to get prompt assistance.

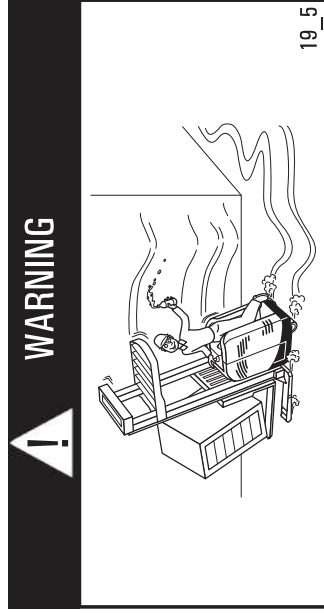
## Safety Rules for Reach Truck Operators



970026

**Check fork pins for engagement!**

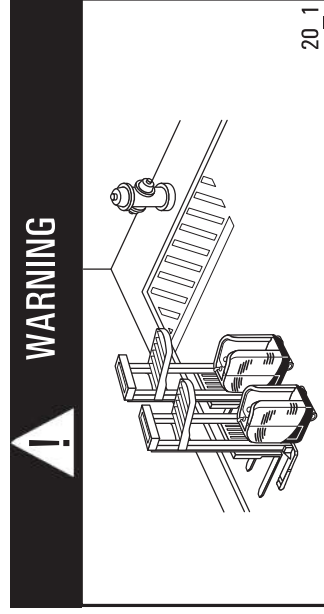
If the fork pins are not properly engaged, the forks can get out of position. This may cause loads or reach truck to become unstable.



19\_5

**Always stay healthy on the job!**

Be healthy and NEVER operate the reach truck under the influence of drugs or alcohol that may impair your ability to properly operate the reach truck.



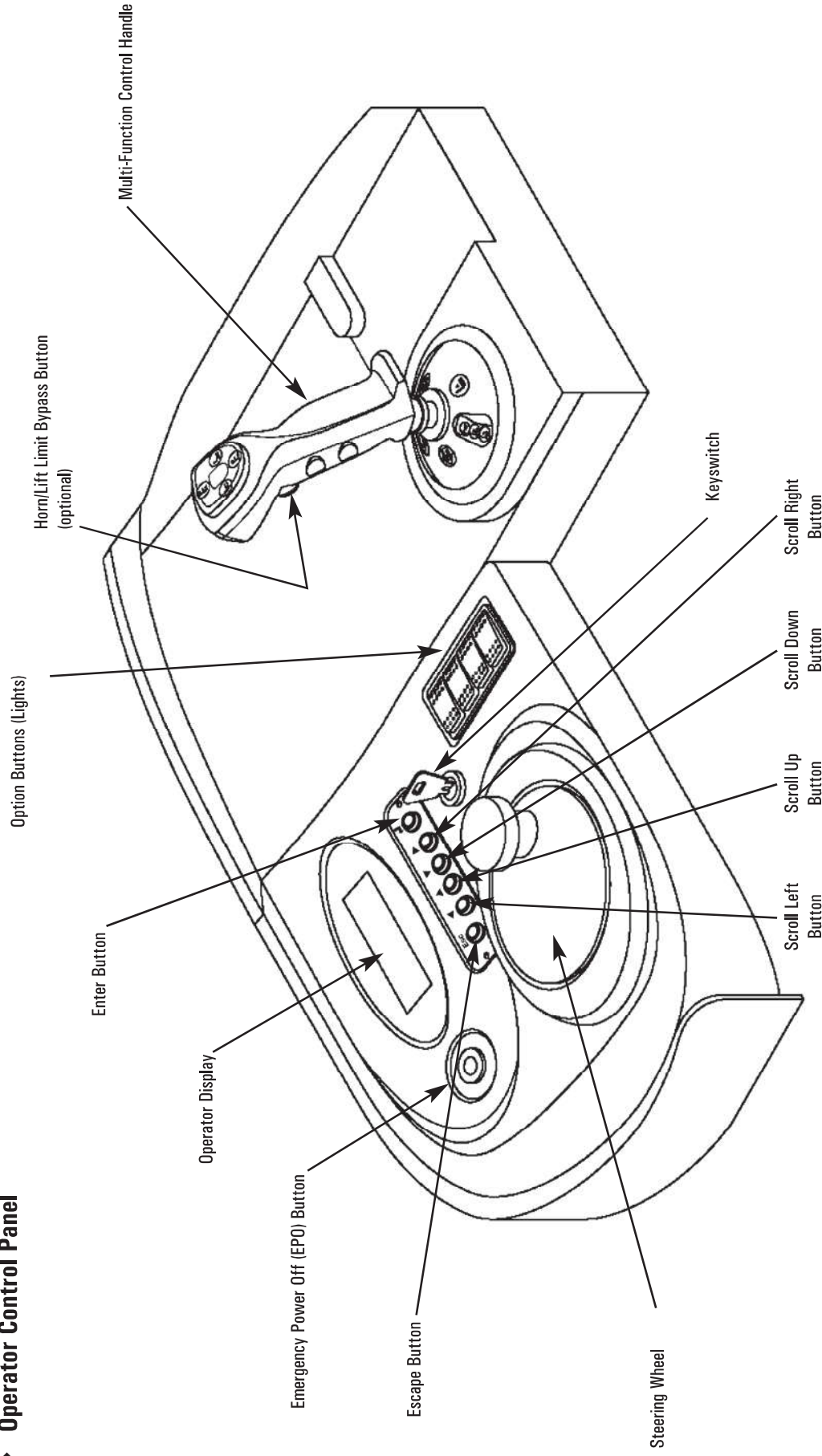
20\_1

**Park in authorized areas only!**

Park a safe distance from access to fire aisles, stairways and fire equipment.

# Know Your Reach Truck

## ◆ Operator Control Panel



## Know Your Reach Truck

### ◆ Operator Display

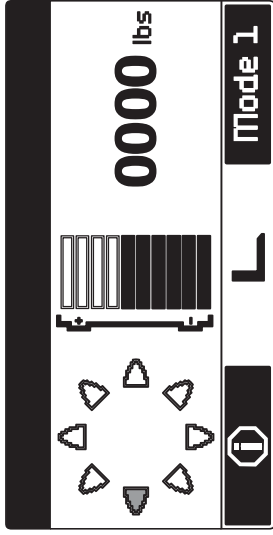
#### Shelf Height Option

The screen (Height Pre-select Unloaded) with various preset heights appears. The operator can select the desired preset height by using the arrow buttons. The operator has to be in that screen and the desired height should be selected for this function to work. The shelf selector works for lifting and lowering the forks.

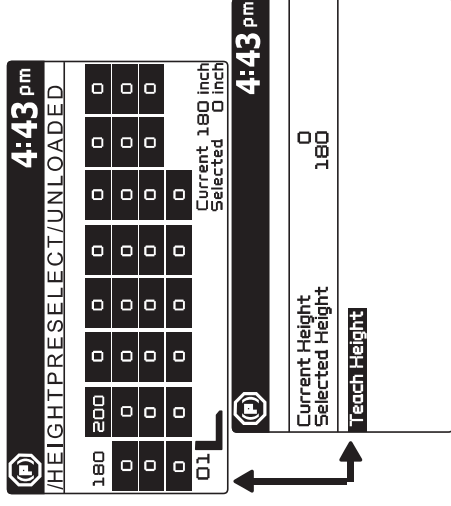
Note: This option works only above the free lift height.

To adjust fork height

Use the arrow key to select option symbol 



Press (Enter Key) 



# Stability

## ◆ Capacity Name Plate

**WARNING**  
 IMPROPER OPERATION OR MAINTENANCE  
 COULD RESULT IN INJURY OR DEATH.

MODEL: ETR225d SERIAL NO: 12345

TRUCK WEIGHT WITH ATTACHMENT ± 5% kg lbs

WITHOUT BATTERY

**BATTERY INFORMATION:**

IDENTIFICATION:

VOLTAGE:

MINIMUM WEIGHT: kg lbs

MAXIMUM WEIGHT: kg lbs

AMP HOUR CAPACITY (6 HOUR RATE):

MEETS DESIGN SPECS. ANSI/ITSDF B56.1

**JUNGHEINRICH** ENGLISH 071163-0710

ATTACH 1:

A-LOAD CENTER in 24

600 mm

MAST: VERTICAL

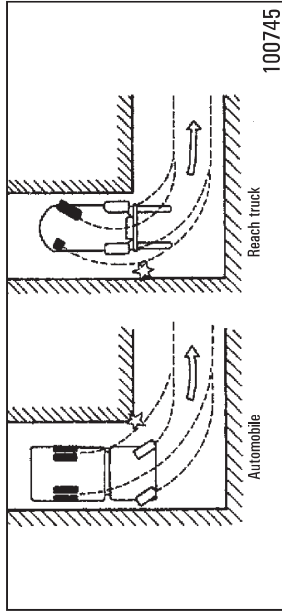
C-FORK HEIGHT		B-OFFSET		CAPACITY	
mm	in	mm	in	kg	lbs
4785	188	0	0	794	1750

The capacity name plate shown is for a reach truck. The chart tells the operator that this reach truck can lift up to 794 kg (1,750 lb.) at 600 mm (24 in) lifting height if the load center is not more than 600 mm (24 in) forward from the face of the backrest and 600 mm (24 in) measured vertically from the top of the fork. Before attempting to pick up a load, make sure that its weight is within the capacity of the truck at the load center involved. The capacity is also affected by the weight of the battery. The battery must be within the minimum and maximum weights.

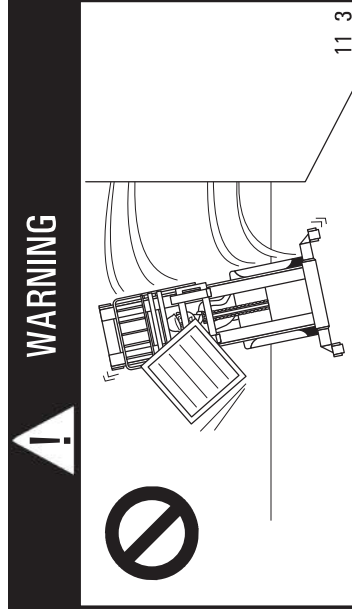
- NOTE:** Capacity chart will differ depending on the model and options.
- NOTE:** If the load is not uniform, the heaviest portion should be placed closer to the lift bracket and centered on the forks.

## Operation

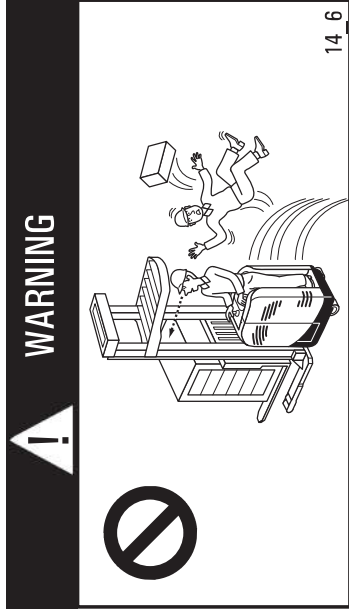
### ◆ Reach Truck Operation



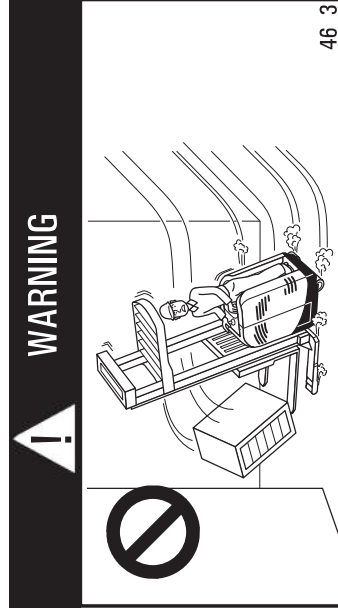
A reach truck is different from most other vehicles in that it is steered by the rear wheel. This causes an exaggerated tail swing. Drive slowly when making turns in close quarters. Start the turn as close to the inside corner as the tail swing will permit.



Turning with the forks elevated, with or without a load, could cause a tip over.



Be aware of tail swing distance. Be sure the tail swing area is clear, before turning, to avoid injury to pedestrians.



Use extreme care when turning without a load. Excessive speed with abrupt turns or uneven surfaces may cause the reach truck to tip when empty as well as loaded.

### ◆ Stopping the Reach Truck (normal operation)

1. Move the directional speed control through neutral to the direction opposite your current travel. This action is called "plugging." The farther you move the control, the faster you slow down.
2. When the reach truck stops, release the directional/speed control and step off the operator presence pedal. Releasing the operator presence pedal disables travel and applies the parking brake to stop the reach truck in the shortest possible distance.

### ◆ Stopping the Reach Truck (emergency operation)

1. To stop the reach truck in an emergency, release the operator presence pedal immediately. Releasing the operator presence pedal disables travel and applies the parking brake to stop the reach truck in the shortest possible distance.
  - Refer to Controls and Indicators section on page 17 to identify location of operator presence pedal.
  - Refer to Controls and Indicator section on page 19 for operation of operator presence pedal.

## Maintenance

### ◆ Every 10 Service Hours or Daily (Pre-Start), Whichever Comes First

- \* Damage or Faulty Operation Found the Day Before
1. Battery
    - Have repairs been made properly?
    - Check the daily inspection sheet.
  2. Battery Connector and Emergency Power Off (EPO) Button
    - Battery charged before start of shift?
    - Water level checked after charging?
    - Check on the floor for battery acid.
    - Is the battery weight within the range specified on the battery size label decal?
    - Battery weight must meet minimum requirements listed on the truck capacity plate.
  - 3a. Battery Gates & Restraints
    - Are battery restraints in place and secured on both sides of truck?
    - Are battery gates locked into place securely on both sides?
  - 3b. Battery Doors & Restraints
    - Are battery restraints in place and secured on both sides of the truck?
    - Are battery compartment doors closed?
    - Are the battery catch plates securely in place?
    - Are the door handles secured?
  4. Operator Presence Pedal (Brakes)
    - Does operator presence pedal operate smoothly with no binding.
    - Does it stop the reach truck within specific limits?
    - Does it disable the travel function when pedal is released?
  7. Mast
    - Inspect inside channels for lubrication.
    - Are there any leaks from the cylinders and hydraulic lines?
    - Does the mast move up and down smoothly when you operate the lift control lever?
  8. Lift Chains
    - Does the carriage tilt forward and backward smoothly when you operate the tilt function on the control handle?
    - Is the load backrest extension properly secured to the truck? Inspect the load backrest extension for cracks and distortion. (Special attention should be given to all welds). Shake the backrest extension to check for excessive rattle.
  11. Forks
    - Are the fork stopper pins properly engaged?

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