



Narrow Aisle  
Quadra-Flexx  
Compartment  
Reach Truck



**NR/NDR-DB**

3,000 - 4,000 lbs.

**NR/NDR-EB**

3,000 - 4,500 lbs.

# When it comes to productivity, Yale® lift trucks are your top pick

As a leader in materials handling, Yale offers so much more than a complete line of lift trucks. Yale has invested heavily in people, processes and production techniques to encompass the cornerstones of quality and dependability... Innovative Design, Comprehensive Testing, Advanced Components and Superior Manufacturing.

When it comes to Narrow Aisle lift trucks, the NR/NDR-DB/EB series is extremely versatile, combining the latest AC motor control technology with improved all-around performance and superb operator comfort to effectively meet the demands of high density warehousing. The Yale® iSi (Integrated Smart Interface) Technology™ provides common control systems and functions across the heart of the Yale line. This technology speeds operator productivity and streamlines service and maintenance procedures to keep your costs down and productivity up.



THE  
**Narrow**  
Aisle  
REACH TRUCK



# Highlights

## 0 Designed for comfort and productivity

- New Side-stance control handle
- Adjustable control handle
- Fore/aft stance operation
- E-Z ride floor

## 0 Taking performance to new heights

- Power lowering
- Yale® iSi Technology™
- Auto deceleration
- Proportional reach/retract system

## 0 Low cost of operation

- Low maintenance and extended service intervals
- Quick adjust mast
- Yale Vision (Wireless Asset Management)
- AC traction

## 0 Dependability by design

- Heavy duty frame
- O-ring face seals
- Tapered toe castings
- Rigid mast design

## 0 Service made simple

- Proven AC motor technology
- CANbus controller
- Uncluttered compartment
- Simple battery access
- Yale Gold Service and parts availability



# Designed for comfort and productivity

**Applying best-in-class ergonomics**, Yale® Reach Trucks offer a Quadra-Flexx Operator Compartment with choice of Side-stance or Fore/Aft stance and different control handle configurations. The Side-stance truck provides a vertically adjustable lumbar back rest pad, horizontal adjustment of integral armrest. An adjustable steering tiller for optimal comfort is optional.

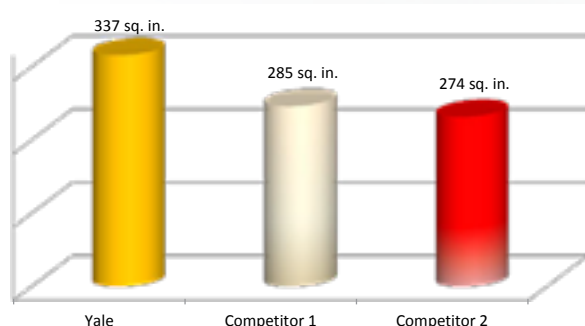
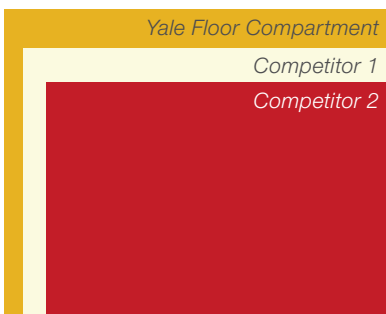
## ☐ Built to be operator friendly

**Side-stance control handle** provides conveniently located controls for forward/reverse, lift/lower, proportional reach/retract, tilt, horn and optional side shift. The control handle for side-stance operation allows simultaneous control of travel and hydraulic functions.

**Steer tiller handle position is operator adjustable** and steer effort is adjustable to help reduce operator fatigue. Side-stance and fore/aft stance operation come standard with variable on-demand electric power steering. Both models offer a Display Monitor location for clearer visibility and convenience. Drive tire and optional electrically steered caster automatically centers at start-up.

**E-Z Ride floor** provides room for movement and has no pedal to step over. The full 5/8" thick deep cushioned floor mat and floorplate rides on elastomeric mounts, cushioning the ride to help reduce operator fatigue. The 9.5" step height and flush mounted switches are properly positioned for operator comfort. The unique "step-up" brake allows the operator to enter and exit the compartment easily. The step height and flush mounted floor mat provides an uninterrupted entry into the operator compartment.

## Yale has an 18% larger floorspace



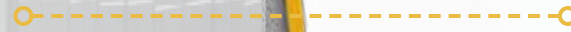


Side-stance control handle is configured with the operator in mind and offers simultaneous control of travel and hydraulic functions plus a operator grip pad for added comfort.



Operator compartment features a comfortable side-stance control handle, steer tiller with spinner knob, easy viewing multifunction display and an uncluttered floor.

Side-Stance truck with operator in Side-stance position



Fore/Aft truck with operator in Rear Facing position



The backrest offers 6" inches of vertical adjustment to fit various size operators.



The work station features a low step height, wide cushioned floor and a 5/8" thick padded rubber floor mat for supportive comfort. Also features the E-Z Ride floor with elastomeric mounts and includes a heated floor option for SubZero conditions.



# Taking performance to new heights

From the application proven rugged reach mechanism to their Hi-Vis™ mast, these trucks deliver state-of-the-art technologies that add up to reliable performance. These trucks ride smoothly and are easy to operate. Productivity is enhanced in every feature of the NR/NDR-DB/EB such as the AC drive motor which delivers even more power and the motor controller is mounted on finned aluminum heat sinks to provide cooling. Because every part is designed for strength, dependability and long wear, they're also on the job more—exactly where you want your trucks and operators to be.



*AC motor controller*



## Control Handle

- **Designed to be intuitive and productive**
- **New handle is 100% proportional providing precise control of loads, reducing product damage**
- **Provides operator a secure support point of contact when accelerating and decelerating**
- **Optional heater for operator comfort in subzero applications**
- **All contact-less switches, serviced separately**



## □ Power lowering

Power lowering\* increases operator productivity. When lowering unloaded, the motor “powers” the load down maximizing lowering speeds. Regenerative lowering\* increases battery shift life. When lowering with a load, the motor generates energy that is placed back into the battery.

*\* Available on NR/NDR-EB only.*

## □ Heavy duty design

A variety of mast options make Yale® reach trucks adaptable to a wide range of applications. The heavy duty design minimizes sway in high lift applications and lift cylinders provide integral cushioning for excellent mast channel staging and precise load handling. The cylinders and chains are placed behind the mast channels for protection and maximum visibility. The cantilevered overhead guard provides protection with excellent visibility when spotting loads. The trunnion mounted design distributes the load forces to the frame for smooth load transitions.

## □ Auto deceleration system

The NR/NDR-DB and NR/NDR-EB utilize AC technology featuring an Auto Deceleration System. When activated, the truck electronically decelerates to a smooth stop when the operator moves the control handle towards neutral.

## □ Proportional reach/retract system

The proportional reach/retract system provides efficient and precise load handling. Load cushioning is built into the extension and retraction cylinders to protect against load shock.

## □ Enhanced product handling

Dual tilt cylinders tilt the fork, carriage and load backrest together to provide excellent handling of product. Up to 7” inches of total side shift enhances productivity. Side shift is standard on the double reach models and optional on the single reach models.



# Low cost of operation

Attention to design detail is at the heart of Yale. This means that Yale can help reduce operating costs. Extended maintenance intervals, stretch brake and tire life all play a part in lowering the over all costs.

Helping achieve these low costs are factors such as the MDU design, extended shift capability and the thermal management system of the truck. Together these features offer thousands of hours of testing and analysis, major energy conservation and lower overall temperature of the truck keeping the unit from maintenance interruptions, saving you money.

## □ Caster assembly

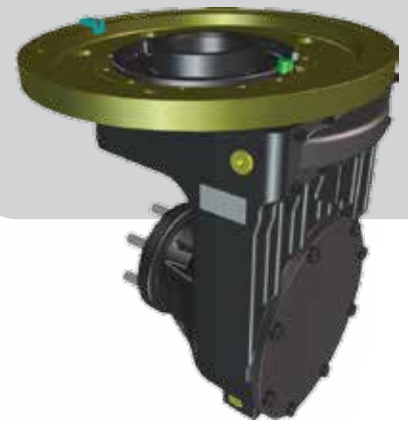
The spring loaded caster assembly allows the vehicle to maintain drive wheel contact with ground over floor cracks or uneven floors. The caster assembly uses dual articulating wheels that maintain ground contact with both wheels for even tire wear and minimize tire scrubbing when pivoting. Free spinning caster is standard and an optional steered caster is available.

## □ AC motors

Commutating brushes are eliminated with the use of the AC traction and hoist motors. The brushless design of the traction, hoist, and steer motors provides improved reliability and maintenance intervals.

## Master Drive Unit (MDU)

- **Tapered motor input pinion shaft is fully lubricated by MDU gear oil**
  - Eliminates 3000 hour lubrication service (for heavy duty applications)
- **Drive unit is sealed for life**
  - No oil changes required
  - No break-in oil service
- **New sealed turntable bearing, greatly reduces the ingress of debris and increases bearing life**



## Wireless Asset Management

Take your fleet operation to the next level with wireless asset management from Yale. Yale Vision provides a scalable solution for fleets. From monitoring truck utilization to limited operator access, Yale Vision allows you to track your fleet at your fingertips.





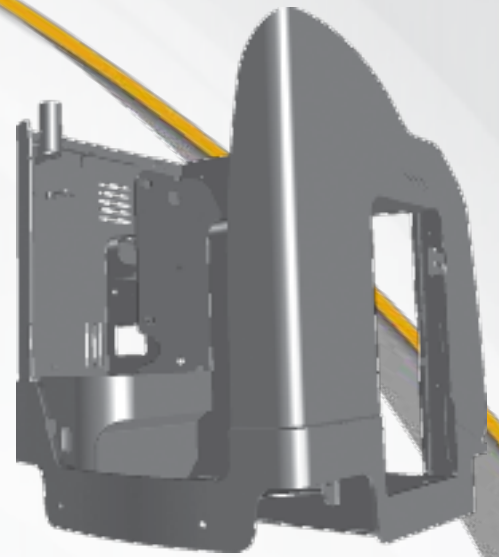
# Dependability

The Yale® NR/NDR-DB and NR/NDR-EB are designed and manufactured to be among the most dependable trucks in the industry today.

**The heavy duty frame** uses thick steel plating for added strength. A fixed drive unit with spring loaded caster assembly allows for a smooth ride over uneven floors and offers improved capacity to height retention.

**O-ring face seals** are featured on all high-pressure hydraulic connections to reduce hydraulic leaks. A superior filtration system increases the life span of all hydraulic components.

**The Yale pantograph** is designed using finite element analysis for durability. Rear frame and inner arm weldments are reinforced for longer life.



Heavy duty frame design



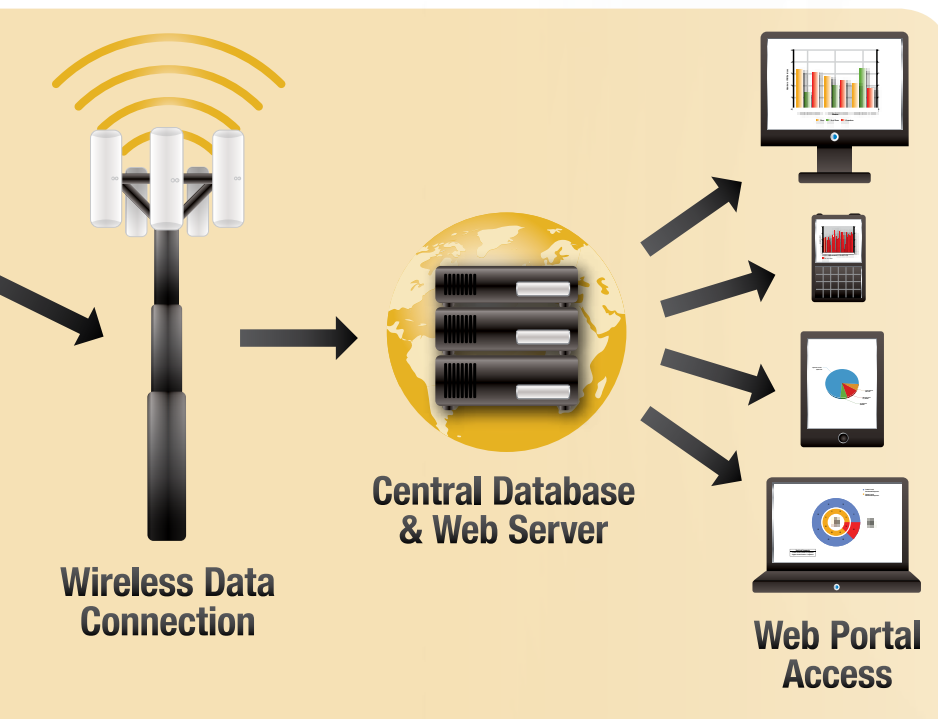
Pantograph reach arms

## Load wheel box outer side-plates



The load wheel box outer side-plates are flushmounted, reducing truck and rack catch points. The load wheel boxes are available with blunt or tapered toe, providing a strong impact resistant welded front end. Bolt-on toe boxes are available on select models. Load wheels are available standard with permanently lubricated bearings or optionally with greasable bearings.

*Mast rigidity and improved capacity to height are part of the innovative mast design. The Yale® Hi-Vis™ mast provides smooth mast staging for stepless lifting and lowering of the mast.*



# Service made simple

Not only are Yale® Reach Trucks designed to require less maintenance, they're also designed to be extremely easy to service. From the use of the heavy duty brake system that reduces the number of parts, to numbered wiring for easy troubleshooting, to onboard diagnostics, these trucks were designed with the smallest service details in mind.



AC motor

The stationary drive motor eliminates cable flexing during steering. Employing digital technology, the Yale® iSi Technology™ CANbus controller enables the truck's systems to simultaneously communicate with each other from one central location, providing function-monitoring and diagnostic capabilities. In addition, the CANbus controller reduces wiring by 40% and electrical connections by 25%, resulting in enhanced reliability and excellent visibility through the mast.

AC motors and controllers offer reduced maintenance through the elimination of motor brushes and the commutator. More efficient than DC motors and controls, AC technology eliminates arching, sparking and brush dust.



Adjustable brass wear plugs

*Brass wear plugs allow periodic adjustments without the time and expense of mast disassembly. Wear strips keep the channel properly aligned reducing maintenance and providing greater uptime.*

## ○ Battery compartment

The battery compartment is equipped with 2-1/2" diameter rollers riding on ball bearings that are sealed to resist corrosion from battery acid. The rollers are individually replaceable and lift out quickly and easily with no tools required.



## ○ Uncluttered access

The swing-out compartment doors reveal an uncluttered, well laid out compartment making servicing easier and faster. Stationary drive motor eliminates power cable flexing, improving cable reliability.





## Yale® iSi Technology™

Yale® iSi Technology™ incorporates a common control system with consistent functionality across the warehouse product line. The Integrated Smart Interface utilizes the same software, diagnostic codes and functionality for the main warehouse trucks creating commonality for users, supervisors and service personnel. The system offers full customization to allow a user to properly match the trucks' performance with the skill of the operator.

The multifunction display provides status, warning, and fault messages to the operator. Operator, supervisor or service technician can make simple on-board parameter adjustments. It also provides setup and diagnostic menus for service technicians. Hour meters for truck, traction, hoist, and auxiliary systems are accessible through the easy to navigate menus.



**Yale®**   
**iSi Technology™**

## Supporting customers

### With world-class parts and service

Our Guaranteed Availability Program (G.A.P.) ensures that parts that are normally required in the first 2 years of operation will be available from your Yale® parts dealer within 24 hours or they are free. With four Parts Distribution Centers strategically located around the world, we provide a full range of original equipment and aftermarket parts that help maintain our customers' uptime.\*



We also take that commitment into the field with Yale's ProTech® Certification training program. The ProTech® technical training program provides both systems level as well as product specific education to ensure lift trucks are repaired right the first time.



\*Consult your local dealer for G.A.P. program rules.

# Application matched performance

Need a lift truck suited for your specific needs? We hear you! Yale® trucks come with several options to build you the ideal working truck necessary for your environment and location.

From trucks that can withstand SubZero temperatures, to just needing an every day truck to get the job done with double reach assembly arms to reach across a rack for a load. Yale has you covered and is ready to fit you with your truck.

## Various options

- Operator Front Lexan™ Shield
- Operator Overhead Fan
- Load Weight Display
- Impact Monitor
- Rear Operator's Compartment Door
- Load Transport Position

## Side-stance

The side-stance truck offers the operator 3 different positions for traveling resulting in exceptional operator comfort. The compartment has a large backrest pad with integral lumbar and armrest support. Mounted to the armrest pad is the multifunction control assembly. The multifunction control assembly is adjustable 6" vertically, and the armrest adjusts 3" in and out.



## Fore/aft

The fore/aft truck offers the operator 3 different positions for traveling resulting in exceptional operator comfort. The compartment provides a support point for the operator when facing in either direction. The multifunction handle assembly is a single axis design and is mounted on the side pad assembly. The single axis design provides an additional dynamic support point for operator when facing forward.





## Environmental construction

- Standard Construction - Operating Temperatures: +32° F to +120° F
- Cooler / Freezer Construction - Operating Temperatures: 0° F to +120° F
- SubZero Freezer Construction - Operating Temperatures: -40° F to +120° F
- SubZero Freezer with Heated Floor and Heated Multifunction Control Handle - Operating Temperatures: -40° F to +120° F



### Camera

The Camera\* assembly is attached to the carriage to give you a clear view of the fork entry into the pallet. A color Monitor can be mounted under the overhead guard on the left side of the operator compartment.

*\* Available on the NR/NDR-EB only.*



### Fork laser level

The Laser Line\* sending unit will be mounted on the carriage and projects a horizontal line at the same level of the forks. The Laser will turn on only when the forks are elevated 21" above Freelift.

## Double reach

Double Reach assembly with Standard Integral Sideshift

55.6"



vs.

## Single reach

Single Reach Assembly with Optional Integral Sideshift

31.1" (790) NR035EB  
31.3" (795) NR040-045EB



## Mast options

Knowing no two applications are the same, we've provided you with mast choices for your lifting capacity based on your specific needs.

# The Yale experience

With Yale, you know you're getting more than just a truck. You're getting the complete Yale experience. It's the promise we make that goes beyond our products, and our commitment to support you with the best service in the industry.



**Dealer Network** - Yale customers have direct access to the best forklift products and services through our extensive, independent dealer network, featuring 340 worldwide dealer locations (225 in the Americas) with an average of more than 25 years of experience in materials handling.



**Financial Services** - Yale Financial Services specializes in financing your lift truck needs. Our programs make it easy to acquire the use of a lift truck or an entire fleet.



**Fleet Management** - Even if you operate other brands, we can manage your maintenance and replacement plan. We can offer complete fleet analysis, fleet history summary and a cost-effective proposal for replacement and scheduled maintenance.



**Innovations** - One size doesn't always fit all. Yale has engineered a variety of truck modifications to meet the ever-changing needs of its customers and their changing applications. In addition to standard and optional truck features, Yale offers an impressive list of special truck enhancements designed to increase your productivity.



**Operator Training** - Proper education in operating lift trucks minimizes the risk of injuries due to accidents while increasing productivity. Yale offers OSHA compliant materials that support the training of qualified operators.



**Replacement Parts** - Your authorized Yale® Lift Truck dealer offers genuine Yale parts and quality parts for other makes (PREMIER™ Parts) as well as service programs - all designed to keep your trucks running efficiently and cost-effectively.



**Rental** - Long-term rental can provide flexibility for equipment and term tailored to your operation, fixed cost, maintenance and maximum uptime without major capital investment. Coupled with Yale dealers' extensive short term rental fleets, businesses can meet peak production or seasonal requirements while keeping their fleets sized for their everyday needs.





## □ Delivering total customer satisfaction through operational excellence

Yale's unique relationship with our customers is a product of our total customer satisfaction commitment combined with world-class manufacturing. Yale's goal is to anticipate the needs of every customer and address them with lift trucks that deliver the performance, value and dependability our customers demand.



For more information, or to find your nearest Yale® dealer, go to [Yale.com](http://Yale.com).



**YALE MATERIALS HANDLING CORPORATION**

P.O. Box 7367, Greenville, NC 27835-7367

[www.yale.com](http://www.yale.com)

Yale is a Registered Trademark and  is a Registered Copyright. ©Yale Material Handling Corporation 2013. All Rights Reserved.

Manufactured in our own ISO 9001 and 14001 Registered Facilities

2449A - 8/13 All trucks shown with optional equipment.