



Enclosed End Rider



# MPR080-100VG

8,000-10,000 lbs.

# You asked for a solution. We delivered.

When it comes to enclosed end riders, you want a truck that gives you more. More dependability. More productivity. More comfort. You asked us for a truck engineered for your most demanding cross-docking and transport applications. You told us what you needed and we heard you loud and clear.

From start to finish, we build every Yale® truck with your needs in mind. Every new truck begins with a conversation with you, our customer, as we work to understand your business, your challenges and your expectations when it comes to your lift trucks. Only then do we begin the design and manufacturing process to create a truck that addresses your needs. And once we've done that, we prove it. First to ourselves, then to you.



THE  
**MPR-VG**  
ENCLOSED  
END RIDER

## Highlights

### ○ Ergonomics

- Multifunction control handle
- Large operator compartment (side stance)
- Multi-zoned operator presence floor system
- Adjustable steering tiller

### ○ Performance

- Productive travel speeds
- Energy efficient
- Excellent stability
- Comfortable operation

### ○ Proven results

- Heavy duty linkage
- Rigorous testing
- Increased service intervals
- Wireless asset management

### ○ Durability

- Dual caster wheel assembly
- Heavy duty linkage system
- Heavy duty fork frame
- Tandem load wheels (extended tip only)

### ○ Serviceability

- Quick release service door
- Yale iSi Technology™
- Quick-adjust dual caster wheels
- CANbus Communication System



# Comfortable. Ergonomic.

From the large operator platform to the intuitive controls, the intelligently designed ergonomics make our enclosed end riders easier to operate and more comfortable to ride. Four programmable performance modes let operators tailor truck performance to their application or skill level. Electric power steering enables tight turns in crowded areas. The load bearing, quick-adjust dual caster wheels enhance stability, thus enabling the operator to maneuver through the warehouse with confidence. Intelligent design provides powerful torque, efficient travel speeds, and smooth acceleration and directional changes.

## ○ Contoured, padded compartment

Flexible urethane foam padding surrounds the operator. The backrest and integral padding aids in full back support. The hip pad helps to maintain operator balance. Elbow and knee pads provide additional support.

## ○ Multi-zoned operator presence floor system

The cushioned floor mat features a forward-mounted brake switch and an exclusive multi-zoned operator presence floor system. This system creates an environment that allows the operator to move his or her feet comfortably within the compartment of the truck and to keep a more natural stance during operation, helping to reduce fatigue throughout the work day.

The cushioned floor mat rests on four isolator mounts bolted to the drive frame to reduce shock from dock plates and expansion joints. The floor is slightly angled toward the forks to shift the operator's center of gravity away from the compartment opening.

## ○ Electric power steering

The electric power steering system features a significant reduction in steer effort which is adjustable based on application needs. This feature provides the ability for operators with varying physical strength to perform the same material handling operations with less effort while reducing fatigue.





*The contoured multifunction control handle offers three adjustable positions and allows fingertip control of lift/lower, travel and horn functions.*



*Multi-zoned operator presence floor system.*



*Adjustable steering tiller makes comfort and handling a priority.*



*The contoured, fully padded, large operator's compartment provides back, hip, elbow and knee support.*

# Empowering performance.

The Yale® 8,000 lb. and 10,000 lb. enclosed end riders are highly maneuverable. Due to tight turning radius, electric power steering, and smartly positioned undercarriage components, our enclosed end riders provide excellent maneuverability in tight spaces and across dock plates. A full 6" of lift height provides optimal clearance when maneuvering around the dock.

## ○ Productive travel speeds

The MPR-VG is extraordinarily quick—pace-setting, programmable acceleration and travel speeds allow more loads to be moved per hour. And a high-performance hydraulic system, coupled with the advanced pallet entry-exit system, produces outstanding cycle times.

## ○ Energy efficient

With the Extended Shift feature, you get to choose how hard your trucks work. While using the Extended Shift feature, truck performance is tailored with energy efficiency in mind, so your truck can operate longer between battery charging. When the Extended Shift feature is disengaged, your truck operates in high-performance mode for quicker acceleration and higher travel speeds. Result? More pallet moves per hour.



## ○ Excellent stability

To aid in stability, the MPR-VG model features a 4-point chassis. Because the main drive unit is offset, the drive tire, load bearing dual caster wheel and two load wheels create a 4-point contact with the floor. The load bearing dual caster wheel is rigidly sprung, and virtually eliminates sway. This improves operator confidence and helps keep loads level, boosts speed, and assists with productivity.

## ○ Comfort equals productivity

The standard electric power steering provides adjustable steer effort and adjustable steering lock to lock to suit the application. The steer system is easy to maintain and efficient to service, helping to reduce down time. By having a more comfortable operating environment, the operator is able to focus on the task, not on fatigue.

Our standard storage compartment, combined with the optional battery-mounted convenience tray, provides 84% more storage than the leading competitor. There's plenty of room for virtually anything an operator may need during the shift, for example two standard stretch wrap rolls, barcode labels or papers. The built-in bungee cord will prove useful for securing loose items such as pick tickets.



*Electric steering motor*



*Load bearing dual caster wheel*



*Advanced pallet entry/exit system*



Aluminum-bronze HTX  
bushings (MPR100VG)

## Tested and proven.

It's through this approach that every detail of our Yale® MPR 8,000 lb. and 10,000 lb. enclosed end riders came to be meticulously designed and rigorously engineered to create the solution you've been waiting for. How can we be so sure? We tested them. Time and time again.

In test after test, the results are clear: The MPR-VG truck can go fork-to-fork with any enclosed end rider in the industry. This truck series delivers dependability, productivity, operator comfort and ease of maintenance that exceeds the industry's highest standards.

### **○ Lifted over 1 billion pounds**

Our complete linkage system lifted a total of 1.1 billion lbs. without failure—significantly better than a major competitor. Of course, we don't recommend you treat your trucks this way. Always follow recommended maintenance intervals.

### **○ Survived 1,000+ hours**

We tested the enclosed end riders ourselves, then we asked our customers to do the same. In a real-world, high-duty cycle application, Yale's heavy duty linkage proved that it could endure over 1,000+ hours of use.\*

\* This test was performed without additional undercarriage lubrication to prove the extremes that our enclosed end riders can handle before needing service. Yale recommends following proper maintenance procedures to maximize truck life.



# A dependable solution.

It takes some intelligent thinking to make a truck that can stand up to the brutal demands of your operation. When your heavy duty application demands that a truck runs dependably in demanding environments, you want to be absolutely certain it can handle the pressure. We've built a truck that's up to the challenge.



*Drive tire*



*Tandem load wheels*

**Yale**<sup>®</sup>  
*Vision*

## 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.

## ○ Durable components

### Dual caster wheel assembly

The enclosed end rider's load bearing dual caster wheels can support a wide range of floor conditions, featuring a polyurethane spring block that helps to reduce wear and tear. The fully serviceable design is easy to adjust, meaning less downtime and reduced replacement costs.

### Heavy duty fork frame

The fully boxed frame provides superior rigidity and durability. The reinforced, thick bumper protects the truck from damage.

**Drive tire** Larger drive tires result in easier transitions over dock plates and across expansion joints, reducing wear and vibration.

**Tandem load wheels** By increasing load wheel contact area, the optional tandem load wheels offer extended load wheel life under an increased load. Tandem load wheels are available on extended tip forks.

**AC traction motor** The brushless design of the AC traction motor provides improved reliability and maintenance intervals.

# Easy serviceability.

No truck is completely maintenance-free, but when it comes time to service our 8,000 lb. and 10,000 lb. enclosed end riders, we've made certain it's easy to get the job done fast. The controls compartment requires no tools to open, and the translucent hydraulic reservoir allows technicians to check fluid levels at a glance. Sophisticated on-board diagnostics are available through the Yale® iSi Technology control system which allows for quick troubleshooting. When parts or service help is required, your Authorized Yale® Lift Truck Dealer can provide genuine Yale® parts as well as PREMIER™ parts for other makes—or service, from one of North America's most extensive full-line lift truck dealer networks, so you can feel confident your Yale® lift truck will be there when you need it.

## □ Access to major components

Access to the traction controller, drive motor, and hydraulic power unit is provided through the quick release service door with latch. The service door can be easily opened and closed via a latch inside the operator compartment, providing access to the following components:

- Traction/Hoist controller and main fuse
- Drive motor
- Speed sensor
- Steer motor
- Steer proximity switch
- Hydraulic power unit and tank
- Main wire harness and power cables



**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.

# Built for low-maintenance

- High-efficiency AC traction motor requires no service.
- Electro-mechanical park brake has no service requirements.
- Load bearing, quick-adjust dual caster wheels provide support for the drive tire, helping to increase drive tire life.
- Electric power steering eliminates potential leak points and is efficient to service, helping to reduce down time.
- Controller absorbs excess current during hydraulic motor activation to extend motor life.
- Easily accessible lube fittings and serviceable bushings at all pivot points reduce wear and extend component life.
- CANbus communication system helps reduce wear by simplifying truck wiring—fewer wires mean fewer potential failure points.
- All major components are easily accessible through the quick release service door.

## 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 two 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 maintain our customers' uptime.\*

We also take that commitment into the field with Yale's ProTech® Certification training program, available to our dealers' technicians. 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.



## ○ Quad pallet forks

By lifting up to eight pallets at once, the exclusive 10,000 lb. capacity 160" quad pallet forks option allows the operator to be more productive in heavy duty, high volume applications. Tandem load wheels are available on the 10,000 lb capacity quad pallet forks, offering better load wheel life under the increased loads.

# Application-matched performance

Tough applications come in all shapes and sizes. That's why Yale gives you the option of tailoring your lift truck's performance and features to best suit your job's demands. Customize speed settings and choose from a wide array of options and accessories.

## ○ 10,000 lb. capacity forklift

The Yale® 10,000 lb. enclosed end rider is the highest capacity rider pallet jack in the forklift industry. The larger capacity gives the operator the ability to move up to 25% more product in one cycle versus an 8,000 lb. truck, increasing throughput and productivity.

To achieve the larger capacity, Yale added 160" quad pallet forks, accommodating up to eight pallets per cycle. The hydraulic pump motor increased from 1.5kW to 2.2kW and the hydraulic cylinder increased in diameter. Tandem load wheels increase contact area, reducing pressure by over 40%, therefore extending load wheel life.

## ○ Work light sensor

Sometimes you need a little more light in your day-to-day operations. The innovative ultrasonic work light sensor option will aid the operator with the loading and unloading of the enclosed end rider in darker environments and is especially geared to the loading and unloading of enclosed transport trucks. The work light sensor can automatically turn the LED lights on to illuminate the forks when necessary, and can turn them off, helping to prevent unnecessary use. Alternatively, the manual override can be activated to give the operator control over when the work lights are used.



## □ Application / environmental construction

These offerings provide customers the opportunity for increased performance and durability from their material handling equipment in increasingly demanding environments.

### Standard Construction

- Operating temperatures: +32° F to +120° F
- Nickel plated linkage pins and axles
- Two-part polyurethane paint

### Cooler/Freezer/Wash Down Package

- Operating temperatures: 0° F to +120° F
- For use in applications such as produce, coolers and freezers to 0° F
- Premium performance anti-wear hydraulic oil
- Dielectric grease at all wire harness connections
- Moisture displacing spray for all electrical power connections
- Nickel plated linkage pins and axles
- Two-part polyurethane paint
- Red polyurethane groove drive tire recommended

### Subzero Package

- Operating temperatures: -40° F to +120° F
- Premium performance anti-wear hydraulic oil
- Dielectric grease at all wire harness connections
- Moisture displacing spray for all electrical power connections
- Red polyurethane groove drive tire recommended

# 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**

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**

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Manufactured in our own ISO 9001 and 14001 Registered Facilities

2566A - 3/2016 All trucks shown with optional equipment.