ergonomics

Yale Lift Trucks and Services are designed

performance
to maximize and continually improve your

serviceability
materials handling productivity.

productivity
When it comes to motorized hand trucks, you’ll find Yale leads the way with over 80 years of experience. In fact, with top-of-the-line components, superior ergonomics and exceptional maneuverability, Yale motorized hand trucks are the industry leader. Both the MTR005-E and the new MTR007-E excel in low level order picking and horizontal transportation.

Because they’re backed by a full range of Yale parts and services, you can count on these trucks to deliver all the big advantages: ease of operation, productivity and peace of mind.

You can also rely on the MTR005-E and the MTR007-E for the biggest advantage of all: They’re from Yale... the market leader.
The optional pick assist control handle is featured and is ideal for high throughput case picking operations. The easily activated system allows an operator to move the truck down an aisle while picking and building a load without having to get on and off the truck.

Trucks shown with optional equipment
The Auto Deceleration System reduces the need to manually apply a service brake for slow down. The operator simply returns the throttle control towards neutral for a controlled deceleration reducing fatigue and enhancing productivity. Two stage braking is activated by squeezing the brake levers mounted on the control handle.

Performance and productivity are built into every Yale truck. The MTR005-E and MTR007-E are no exception. From their Separately Excited Motor (SEM) traction control technology and Auto Deceleration System, to their stationary traction motor, these trucks deliver state-of-the-art technology that adds up to reliable performance.

What’s more, with their robotically welded steel frame and proven gearbox design, everything about these trucks makes them a leader in tractor/tugger applications. 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.

Performance Highlights
- 24 volt standard
- Roboticallly welded steel frame
- Two-stage brake is applied by squeezing the brake levers mounted on the control handle
- Electric park brake switch is conveniently located on the cowl
- Separately Excited Motor (SEM) technology for enhanced performance
- Auto Deceleration System
- Class H insulation on traction motor provides maximum thermal protection
- Automatic latching, manually released jaw type coupler
- Convenient “rabbit” speed floor switch
- Electronic horn

Performance Options
- Cold storage/freezer packages
- Pick assist control handle
- Pin type coupler
- Severe freezer/corrosion/food packages on the MTR007-E
- Underwriters’ Laboratories type “EE” construction on the MTR007-E

The MTR electrical system has been designed using a Separately Excited Motor (SEM) in conjunction with an advanced transistorized controller to enhance truck performance and reliability.
Service Highlights

Designed for minimal troubleshooting and repair time

On-board diagnostics

Hall Effect speed control sensor eliminates the use of potentiometers, therefore reducing wear and adjustment

Fused traction controller

Stationary traction motor eliminates cable flex

Metal Oxide Semiconductor Field Effect Transistor (MOSFET) traction controller with self-diagnostics

Drive unit features integral steer bearings that are lubricated in the drive unit oil bath

Electrically released, spring applied, electro-mechanical parking brake

Drive axle seal string guard reduces potential damage from string, shrink-wrap or banding tape

8” x 5” trail wheels smoothly traverse expansion cracks

Solid-state electronic horn

Service Options

Multi-function display with BDI, hour meter and status code readout

Diagnostic handset

Removable battery rollers

Not only are the MTR005-E and MTR007-E designed to require less maintenance, they’re also designed to be extremely easy to service.

From the easy to remove compartment cover, to easy access to components, these trucks were designed with the smallest service details in mind. But, there’s nothing small about the service access these trucks provide. In fact, its maximum access makes servicing fast, easy and convenient. It’s the new standard in truck serviceability --- only from Yale.

Service technicians can utilize a handset to customize performance parameters as well as perform diagnostics. Stationary SEM traction motor eliminates directional contactors and flexing of power cables.

Trucks shown with optional equipment
Key Features

- Rugged control handle design
- Maximum operator workspace
- Removable, thick cushioned floormat
- Cushioned knee and back pads
- Large trail wheels for smooth ride
- Separately Excited Motor (SEM) Technology
- MOSFET traction controller
- Robotically welded frame
- Rugged steel bumper
- On board diagnostics
- Hall Effect speed control sensor
- Easy to service

![Image of Yale trucks]

Trucks shown with optional equipment

<table>
<thead>
<tr>
<th>Model</th>
<th>MTR005-E</th>
<th>MTR007-E</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Performance Specifications:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Travel Speed Empty/Loaded (mph)</td>
<td>7.8/4.4 *</td>
<td>8.4/4.2 **</td>
</tr>
<tr>
<td>Drawbar Pull Capacity (lbs.)</td>
<td>700</td>
<td>1000</td>
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<tr>
<td>Rolling Load Capacity (lbs) ***</td>
<td>10,000</td>
<td>15,000</td>
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<tr>
<td><strong>Dimensions &amp; Weights:</strong></td>
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<tr>
<td>Wheelbase (inches)</td>
<td>37.1</td>
<td>39.2</td>
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<tr>
<td>Overall Length (includes coupler) (inches)</td>
<td>69.3</td>
<td>71.3</td>
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<tr>
<td>Chassis Length (inches)</td>
<td>58.3</td>
<td>60.3</td>
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<tr>
<td>Outside Turning Radius Narrow Handle (inches)</td>
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<td>51.9</td>
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<tr>
<td>Steer Handle Radius Narrow Handle (inches)</td>
<td>19.8</td>
<td>21.6</td>
</tr>
</tbody>
</table>

Note: * 200 lb drawbar pull (normal)
** 300 lb drawbar pull (normal)
*** Typical capacity based on level grade and tow trailers with solid compound tires

See Yale truck specification sheets for additional data. For a complete listing of truck options, contact your local Authorized Yale Dealer.