

MPB040-E

MPW050-E



*Truck shown with optional equipment*

Walkie Pallet Trucks 4,000 - 5,000 lbs.



# MPB040-E/MPW050-E **Series**

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



All trucks shown with optional equipment

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 sales leader. Both the MPB040-E and MPW050-E can easily turn in a trailer and maneuver through high-density areas or retail aisles. The standard creep speed button allows the truck to be operated at limited speeds with the handle in the FULL UP position, providing additional maneuverability.

**MPB040-E/MPW050-E.**  
**Over 100,000 units sold.**



Bottom mounted handle design

# MPB040-E/MPW050-E

## Dependability

Yale MPB040-E and MPW050-E trucks are designed and manufactured to be among the most dependable trucks in the industry today. 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.

State of the art **robotic welding** of the forks and frame provides optimal frame rigidity for long truck life. The MPB040-E and the MPW050-E are designed and manufactured to reduce both maintenance and downtime.

The UL listed traction motor is shielded from contamination. The proven gearbox design includes greasable steer bearings and heat-treated gears that are lubricated in an oil bath to provide long life.



Robotic welding



Traction motor assembly

The Yale MPB040-E and MPW050-E Series offers the **most reliable parts program** available in the industry. Yale dealers provide off-the-shelf availability of maintenance and repair parts routinely serviced in the first two years of truck operation.

## Yale parts

# Ultimate productivity

MPB040-E and MPW050-E trucks are designed to meet and exceed your specific application requirements. Productivity cost savings are achieved through lower truck operating expenses, reduced labor costs, reduced operator overtime expenses and additional savings with increased throughput.



All trucks shown with optional equipment

Maneuverability and the operating position are optimized for transporting loads by the bottom-mounted control handle. The **tapered fork design** consists of a tapered fork nose and pallet exit roller to provide industry leading pallet entry and exit.



MPB tapered fork design

**Four performance modes** easily changed by the operator through the control handle allow you to tailor truck performance to the application.

- Mode 1—Economy mode (battery saver)  
Soft acceleration; reduced top travel speed with auto deceleration
- Mode 2—Performance with auto deceleration  
Medium acceleration; reduced top travel speed with auto deceleration
- Mode 3—Performance without auto deceleration  
Maximum acceleration; maximum top travel speed without auto deceleration
- Mode 4—Fully adjustable mode  
Can be adjusted by a service technician based on the application

The MPB040-E comes standard with a battery pack consisting of four premium 6 volt, deep-cycle flooded cell batteries, an integral 12 amp smart charger and a battery cover with hinged convenience tray. The battery pack is charged by simply plugging in the power cord into any 110 volt outlet. There is no need to disconnect the battery connector from the truck.

Both the MPB040-E and the MPW050-E can be equipped with a **maintenance free GNB PalletPro™** or an industrial battery for longer duty cycles.



Four performance modes



Standard MPB040-E battery pack



MPW050-E industrial battery

**ultimate**  
**performance**

# Intelligent ergonomics

**Operators prefer our trucks.** Applying best-in-class ergonomics, the Yale MPB040-E and MPW050-E help you get the job done by reducing operator fatigue and improving productivity. The ergonomically designed handle puts full control at the operator's fingertips. A bottom mounted handle makes steering and maneuvering easy.



All trucks shown with optional equipment

The ergonomically designed handle minimizes wrist movement and provides a solid grip for additional control while operating the unit. Lift, Lower, and Horn pushbuttons are conveniently located at the operator's fingertips. The butterfly throttle control provides multiple grip positions minimizing fatigue while allowing travel direction and speed to be selected by rotating the actuator in the desired direction of travel.



Intuitive fingertip controls

The **Traction Reversing Switch** located on top of the handle provides a large area of contact for the operator. If the Traction Reversing Switch comes in contact with the operator, the truck reverses travel direction and then sounds the horn.

Controls for lift, lower, speed control and the horn can easily be operated with either hand. The handgrips follow the natural angle of the wrist to help alleviate fatigue over the working day.

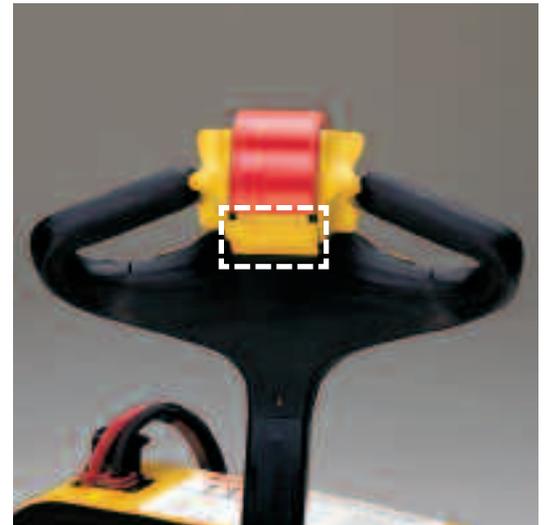
The **bottom mounted handle design** optimizes the operating position by increasing the walk-behind clearance and reducing the steering effort.

The **creep speed control** allows an operator to maneuver the truck in tight areas with the handle in the upright position.

The MPB040-E with standard battery pack includes a **hinged convenience tray** with large storage area for stowing clipboards, pens, pencils and other items.



Ergonomically designed control handle



Creep speed control



MPB040-E hinged convenience tray

**innovative**  
**design**

# Yale gold service

Not only are MPB040-E and MPW050-E trucks designed to require less maintenance, they're also designed to be extremely easy to service. From the easy to remove compartment cover, to quick battery access, 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.



All trucks shown with optional equipment

Service technicians can utilize a handset or PC to customize performance parameters as well as perform diagnostics. The standard MPB040-E battery pack consists of four deep cycle batteries. The top two batteries swing out for easy inspection of fluid level in the bottom batteries.



Quick battery access

Industry leading technology, Serial Bus Communications, Hall Effect Sensors, Proximity Switches and MOSFET Controllers are incorporated into the design, reducing the number of wires, connectors, switches and contactors.

The **control handle** is constructed of durable steel reinforced composite material and does not need special tools for disassembly. All electronics in the control handle are incorporated in one sealed circuit board.

Easy to remove cover gives technicians **total access** to key components—optional multi-functional display, traction controller with integral hoist control, hydraulic power unit, and drive unit.

The **optional multi-function display** provides battery state-of-charge indication, truck hours, fault codes and lift interrupt warning.

The **drive unit gearbox** is designed for ease of maintenance. All gears are heat treated and immersed in an oil bath for long life and quiet operation. Protection of the drive unit is provided by a rugged steel bumper.



Excellent service access



Optional multi-function display

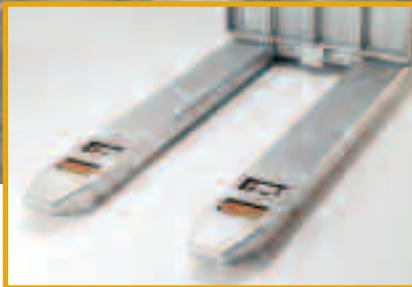


Drive unit gearbox

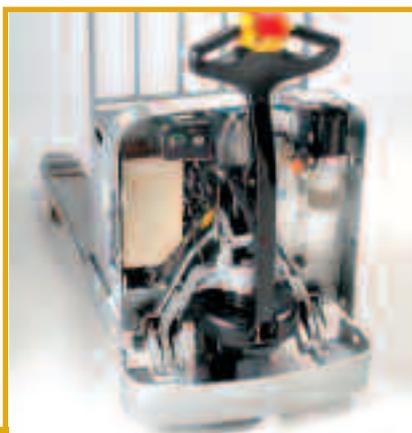
**maximum**  
**access**

# Environmental **enhancements**

The **MPW050-W** is designed for use in general warehouses, refrigerated coolers (0° to +120° F) and freezers (-40° to +120° F). The Heavy Corrosion/Wash Down Package (0° to + 120° F) was developed specifically for highly corrosive and wash down applications, which typically display accelerated surface rust and corrosion.



Galvanized Forks



Galvanized service compartment

The Heavy Corrosion/Wash Down package includes a completely galvanized frame, lift linkage, battery well and fork weldment. The galvanization process makes these components rust and corrosion resistant. This truck is not only more FDA and EPA friendly but also reduces the overall cost of maintenance and operation by eliminating the need for accelerated painting schedules in these tough environments. In addition, the controller is enclosed and sealed to protect it from water during the wash down process.

# Application **enhancements**

**Yale designs and builds** motorized hand trucks that are industry and application specific. The “Short E” option with its profiled bumper and 45.2” forks allows loads to be pinwheeled with ease even in narrower, 98” trailers.



Closed, tapered fork tips



Short, contoured bumper

The contoured bumper and tip design provide industry leading maneuverability. The “Short E” option also includes a closed, tapered fork tip which improves angled pallet entry and exit, necessary when pinwheeling loads in trailers and during right angle stacking.

## MPB040-E/MPW050-E highlights/options



### Productivity highlights

	MPB040-E	MPW050-E
Creep speed control	Std	Std
User selectable performance modes	Std	Std
Closed, tapered fork tips and contoured bumper (standard in the "Short E")	N/A	Std
Steel wrap around bumper	Std	Std
Separately Excited Motor (SEM) technology	Std	Std
24 volt battery pack (wet) and on-board charger with cord storage	Std	N/A
24 volt system to accommodate industrial battery	Opt	Std
9" x 5" press-on rubber drive tire	Std	Std
Low battery lift interrupt without display	Std	Std
Stability tabs	Std	Std

### Productivity options

	MPB040-E	MPW050-E
Various drive tires	Opt	Opt
Load backrest extension in 48" and 60" heights	Opt	Opt
Stabilizing casters (N/A on "Short E")	Opt	Opt
GNB PalletPro™ - 24 volt maintenance free battery with 25 amp charger	Opt	Opt
Cooler/Freezer Package	Opt	Opt*
SubZero Freezer Package	N/A	Opt**
Heavy Corrosion/Wash Down Package	N/A	Opt***
Sealed load wheel bearings	Opt	Opt
Pallet fork length - 36"	Opt	Opt
Pallet fork length - 42"	Opt	Opt
Pallet fork length - 45.2" ("Short E")	Opt	N/A
Pallet fork length - 48"	Std	Std
Pallet fork length - 60"	N/A	Opt

### Ergonomic highlights

	MPB040-E	MPW050-E
Creep speed control	Std	Std
Angled handgrips	Std	Std
Gas assist spring handle	Std	Std
Low effort butterfly actuators	Std	Std
Large horn, traction reversing and creep speed buttons	Std	Std
Lift lower control with tactile feel	Std	Std
Bottom mounted control handle	Std	Std
Duplicated controls for operation with either right or left hand	Std	Std
Low effort pull down handle	Std	Std

Note: Std = Standard, Opt = Optional, N/A = Not Available

Truck performance may be affected by the condition of the vehicle, how it is equipped and the application. Consult your Yale Industrial Truck Dealer for further information. Specifications are subject to change without notice.

\* Cooler/Freezer(Operating temperatures: 0° to +120° F)

\*\* SubZero Freezer (Operating temperatures: -40° to +120° F)

\*\*\* Heavy Corrosion/Wash Down (Operating temperatures: 0° to +120° F)

## MPB040-E/MPW050-E **highlights/options**



### Service **highlights**

	<b>MPB040-E</b>	<b>MPW050-E</b>
Control handle constructed of durable steel reinforced composite material	Std	Std
Control handle electronics incorporated in one sealed circuit board	Std	Std
Hall Effect speed control sensor	Std	Std
Solid-state proximity switch for control handle position	Std	Std
Durable and rugged steel tubing control handle arm	Std	Std
Fused traction controller	Std	Std
Solid-state hydraulic pump control	Std	Std
Separately Excited Motor (SEM) with regenerative braking	Std	Std
Metal Oxide Semiconductor Field Effect Transistor (MOSFET) traction controller	Std	Std
One line contactor for reverse polarity protection and power disconnect	Std	Std
Serial bus communication	Std	Std
Solid-state electric horn	Std	Std
Low maintenance electric park brake	Std	Std
Lubrication fittings on all lift linkage and steering points	Std	Std
Translucent hydraulic tank	Std	Std
Low battery lift interrupt without display	Std	Std
Knock-out load wheel axles	Std	Std

### Service **options**

	<b>MPB040-E</b>	<b>MPW050-E</b>
Multi-function display	Opt	Opt
Diagnostic handset	Opt	Opt

Note: Std = Standard, Opt = Optional, N/A = Not Available

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Parts • Service • Operator Training



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