



BURNS INDUSTRIAL EQUIP.  
156 MESA DRIVE  
ST. ALBANS West Virginia 25177  
Phone: (304) 755-9333



Bid # AGR1800000007 - End Rider Pallet Truck

Comm Code# 24101505

Brand: Yale  
Model: MPE060-F  
Year: 2018

RECEIVED  
2018 JUL 16 PM 2:14  
WV PURCHASING  
DIVISION



**Todd Lipford**  
Operations Manager

156 Mesa Drive  
St. Albans, WV 25177  
[www.burnslift.com](http://www.burnslift.com)

Phone: 304.755.9333  
Fax: 304.755.9326  
Mobile: 304.549.1959  
[tlipford@burnslift.com](mailto:tlipford@burnslift.com)



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**MODEL: MPE060-F**

All trucks shown with optional equipment. Please refer to quotation specifications.

**CUSTOMER DETAILS**

<b>CUSTOMER</b>	<b>West Virginia Department of Agriculture - Donated Foods</b>		
<b>ADDRESS</b>	4496 Cedar Lakes Road, Ripley, West Virginia, 25271		
<b>SHIP-TO ADDRESS</b>	4496 Cedar Lakes Road, Ripley, West Virginia, 25271		
<b>CONTACT NAME</b>	Mr. Jim Thomas	<b>TITLE</b>	Acting Director
<b>PHONE</b>	(304) 558-0573		
<b>PROPOSED BY</b>	Todd Lipford		
<b>PHONE</b>	(304) 755-9333	<b>EMAIL</b>	tlipford@burnslift.com
<b>DATE</b>	Feb 26 2018	<b>QUOTE EXPIRATION</b>	Sep 03 2018



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## Quoted Model: MPE060-F Available Features

Exceed expectations with the MPE060F End Rider Truck. With its innovative design and industry-leading pallet entry and exit, it allows for increased productivity and efficiency. Operators prefer the MPE060F for its ergonomic advances, including a contoured handgrip that alleviates fatigue. The easy-to-use electro-mechanical park brake enhances productivity and allows for less maintenance. A fully programmable control system lets operators alter settings based on the specific application. The MPE060F is the ideal truck for a variety of palletized loads. 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. From the ergonomically designed top-mounted handle

## Proposal Summary

Included Items	Description	Quantity
Model	Yale® MPE060-F pallet truck: 6,000 lb capacity, Class III	2
Construction	Coast Control Not Included SubZero Freezer Package - Operating Temperatures -40°F to +120°F Key Switch Start UL Classification Type "E" 24 Volt	
Battery Compartment	Battery Compartment - 32" Long x 13.4" Wide Open (813mm x 340mm) Battery Removal without Rollers - Lift Out	
Carriages & Attachments	48" (1220mm) Pivoting Load Backrest (Max Battery Height 31.0")	
Forks	48" Long x 27" Overall Width x 9.0" Wide (1220mm x 686mm x 230mm) - Welded Type - Standard Tip Forks	
Wheels & Tires	Drive Tires - 10 x 5 - Smooth Polyurethane 90 Durometer 3.25" x 6.5" Single Polyurethane Load Wheels with 2 Greaseable Bearings per Wheel and lubrication fitting on axle 4" x 2.5" Polyurethane Spring Loaded Standard Duty Caster Wheels	
Operator Compartment	Convenience Tray (Load Backrest Mounted) Battery Discharge Indicator with Hour Meter and Fault Light Factory Set for use with Flooded Cell Battery	
Directional Control	Composite Control Handle Manual Steering	
Warranty	12 Months / No Hour Limit Full Truck Warranty, 36 Months / 6,000 Hours Powertrain Warranty, 60 Months / 10,000 Hour Frame Warranty; please see full Warranty Statement for additional details.	
Literature & Nameplate	English Literature Pack and Labels	
Battery & Charger Accessories	Battery Connector - Red SB® 175	
Fees & Surcharges	Freight Fees & Surcharges	



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**Additional Items or Accessories Included**

	Description	Quantity
Battery	Battery 24 Volt M1601208513A	2
Charger	Charger 24 Volt EFH24T90	2

**Total Investment**

Price MPE060-F \$16,647.20  
 Quoted Quantity 2 TOTAL: \$33,294.40

Proposal By: Todd Lipford Accepted By: \_\_\_\_\_  
 Signature: \_\_\_\_\_ Signature: \_\_\_\_\_  
 Date Signed: \_\_\_\_\_ Date Accepted: \_\_\_\_\_  
 PO Number: \_\_\_\_\_

**Additional Items - MPE060-F**

	Description	Quantity	Ext Price	Initial to Add
Lights & Alarms	Amber LED Strobe Light	2	\$836.40	_____
	Audible Alarm - Reverse Direction Activated - Self-Adjusting 82-102 dB(A)	2	\$475.60	_____



Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

State of West Virginia  
 Request for Quotation  
 13 - Equipment

Proc Folder: 463506

Doc Description: Addendum; End Rider Pallet Trucks

Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2018-06-29	2018-07-17 13:30:00	CRFQ 1400 AGR1800000007	2

**BID RECEIVING LOCATION**

BID CLERK  
 DEPARTMENT OF ADMINISTRATION  
 PURCHASING DIVISION  
 2019 WASHINGTON ST E  
 CHARLESTON WV 25305  
 US

**VENDOR**

Vendor Name, Address and Telephone Number:  
 Burns Industrial Equipment  
 156 Mesa Drive  
 St. Albans, WV 25177  
 304-755-9333

**FOR INFORMATION CONTACT THE BUYER**

Guy Nisbet  
 (304) 558-2596  
 guy.l.nisbet@wv.gov

Signature X

FEIN # 25-1232696

DATE July 13, 2018

All offers subject to all terms and conditions contained in this solicitation

**ADDITIONAL INFORMATION:**

Addendum

Addendum No.01 issued to publish and distribute the attached information to the vendor community.

Request for Quotation  
(End Rider Pallet Truck)

The West Virginia Purchasing Division is soliciting bids on behalf of the agency, The West Virginia Department of Agriculture (WVDA) to establish a contract for the one-time purchase of two (2) End Rider Pallet Trucks, to be delivered to the Agency Food Warehouse at 4496 Cedar Lakes Drive, Ripley, Jackson County, WV. per the bid requirements, specifications, and terms and conditions as attached hereto.

INVOICE TO		SHIP TO	
PROCUREMENT OFFICER 304-558-2221		AUTHORIZED RECEIVER 304-558-0573	
AGRICULTURE DEPARTMENT OF ADMINISTRATIVE SERVICES		AGRICULTURE DEPARTMENT OF FOOD DISTRIBUTION PROGRAM	
1900 KANAWHA BLVD E		4496 CEDAR LAKES RD	
CHARLESTON	WV25305-0173	RIPLEY	WV 25271
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	End Rider pallet Trucks	2.00000	EA	\$16,647.20	\$33,294.40

Comm Code	Manufacturer	Specification	Model #
24101505	YALE	End Rider Pallet Truck	MPE060-F

**Extended Description :**

Vendor must identify Brand, Model and Year of equipment being provided at time of Vendor's bid submission. Vendor's are encouraged to provide Product Brochures with their submitted response.

AGR1800000007	<b>Document Phase</b> Final	<b>Document Description</b> Addendum; End Rider Pallet Trucks	<b>Page 3</b> of 3
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**ADDITIONAL TERMS AND CONDITIONS**

See attached document(s) for additional Terms and Conditions

STATE OF WEST VIRGINIA  
Purchasing Division  
**PURCHASING AFFIDAVIT**

**CONSTRUCTION CONTRACTS:** Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

**ALL CONTRACTS:** Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

**EXCEPTION:** The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

**DEFINITIONS:**

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

**AFFIRMATION:** By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

**WITNESS THE FOLLOWING SIGNATURE:**

Vendor's Name: Burns Industrial Equipment

Authorized Signature: *Thomas M. Joos Jr.* Date: July 13, 2018

State of Pennsylvania

County of Butler, to-wit:

Taken, subscribed, and sworn to before me this 13<sup>th</sup> day of July, 2018.

My Commission expires July 13, 2020.

AFFIX SEAL HERE COMMONWEALTH OF PENNSYLVANIA NOTARY PUBLIC

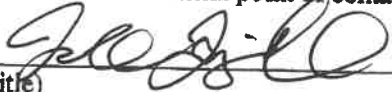
NOTARIAL SEAL  
Thomas M. Joos Jr., Notary Public  
Plum Boro, Allegheny County  
My Commission Expires July 13, 2020  
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

*Thomas M. Joos Jr.*

Purchasing Affidavit (Revised 01/18/2018)

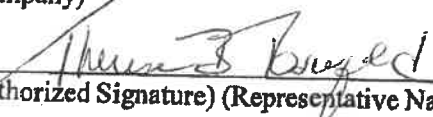


**DESIGNATED CONTACT:** Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

  
 \_\_\_\_\_  
 (Name, Title)  
 Todd Lipford, Operations Manager  
 \_\_\_\_\_  
 (Printed Name and Title)  
 156 Mesa Drive, St. Albans, WV 25177  
 \_\_\_\_\_  
 (Address)  
 304-755-9333, 304-549-1959  
 \_\_\_\_\_  
 (Phone Number) / (Fax Number)  
 tlipford@burnslift.com  
 \_\_\_\_\_  
 (email address)

**CERTIFICATION AND SIGNATURE:** By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

\_\_\_\_\_ Burns Industrial Equipment  
(Company)

  
 \_\_\_\_\_  
 (Authorized Signature) (Representative Name, Title)

\_\_\_\_\_ Therese B. Rosenfeld, Corporate Secretary  
(Printed Name and Title of Authorized Representative)

\_\_\_\_\_ July 13, 2018  
(Date)

\_\_\_\_\_ 412-856-9253, 412-372-2941  
(Phone Number) (Fax Number)

**ADDENDUM ACKNOWLEDGEMENT FORM**  
**SOLICITATION NO.:** \_\_\_\_\_

**Instructions:** Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

**Acknowledgment:** I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

**Addendum Numbers Received:**

(Check the box next to each addendum received)

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6  |
| <input checked="" type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7  |
| <input type="checkbox"/> Addendum No. 3            | <input type="checkbox"/> Addendum No. 8  |
| <input type="checkbox"/> Addendum No. 4            | <input type="checkbox"/> Addendum No. 9  |
| <input type="checkbox"/> Addendum No. 5            | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

\_\_\_\_\_  
Burns Industrial Equipment  
Company  
*Thomas E. Krueger*  
\_\_\_\_\_  
Authorized Signature  
  
7/13/18  
\_\_\_\_\_  
Date

**NOTE:** This addendum acknowledgment should be submitted with the bid to expedite document processing.  
Revised 6/8/2012

## Request for Taxpayer Identification Number and Certification

Give form to the  
 requester. Do not  
 send to the IRS.

Print or type  
 See Specific Instructions on page 2.

Name (as shown on your income tax return) <b>BURNS INDUSTRIAL EQUIPMENT</b>	
Business name, if different from above	
Check appropriate box: <input type="checkbox"/> Individual/Sole proprietor <input checked="" type="checkbox"/> Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Limited liability company. Enter the tax classification (D=disregarded entity, C=corporation, P=partnership) ▶ ..... <input type="checkbox"/> Exempt payee <input type="checkbox"/> Other (see instructions) ▶	
Address (number, street, and apt. or suite no.) <b>210 THORN HILL ROAD</b>	Requester's name and address (optional)
City, state, and ZIP code <b>WARRENDALE PA 15086</b>	
List account number(s) here (optional)	

### Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on Line 1 to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Social security number
or
Employer identification number
25   1232695

**Note.** If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

### Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
- I am a U.S. citizen or other U.S. person (defined below).

**Certification instructions.** You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the Certification, but you must provide your correct TIN. See the instructions on page 4.

**Sign Here**      Signature of U.S. person ▶ June A. Blah, Controller      Date ▶ 7-12-18

### General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

#### Purpose of Form

A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

- Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
- Certify that you are not subject to backup withholding, or
- Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income.

**Note.** If a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

**Definition of a U.S. person.** For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States,
- An estate (other than a foreign estate), or
- A domestic trust (as defined in Regulations section 301.7701-7).

**Special rules for partnerships.** Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax on any foreign partners' share of income from such business. Further, in certain cases where a Form W-9 has not been received, a partnership is required to presume that a partner is a foreign person, and pay the withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid withholding on your share of partnership income.

The person who gives Form W-9 to the partnership for purposes of establishing its U.S. status and avoiding withholding on its allocable share of net income from the partnership conducting a trade or business in the United States is in the following cases:

- The U.S. owner of a disregarded entity and not the entity,

Exhibit A  
Pricing Page  
AGR End Rider Pallet Truck

Item No.	Description	Model No/Brand Name	Quantity	Unit Price	Extended Cost
1	End Ride Pallet Truck	Yale MPE060-F	2	\$16,647.20	\$33,294.40
				<b>Total Bid Amount</b>	\$33,294.40

Burns Industrial Equipment  
156 Mesa Drive  
St. Albans, WV 25177  
304-755-9333

MPE060

ACPOWER



**OPTIONAL POWER  
ASSIST STEERING**

*Truck shown with optional equipment*

Rider/Walkie Pallet Truck 6,000 lbs.

**Yale**   
People. Products. Productivity.

# MPE060

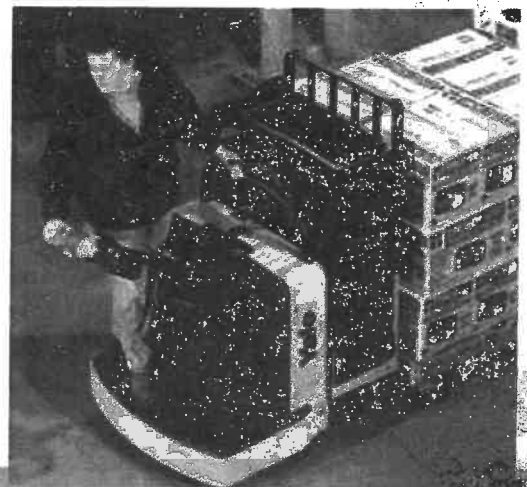
As a leader in materials handling, Yale® offers so much more than the most complete line of lift trucks. Yale has invested heavily in people, processes and capital equipment to encompass all the cornerstones of productivity and dependability... **Innovative Design, Comprehensive Testing, Highest Quality,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



All trucks shown with optional equipment

When it comes to motorized hand trucks, Yale leads the way. In fact, with top-of-the-line components, superior ergonomics and exceptional maneuverability, Yale motorized hand trucks have been the industry sales leader for many years.

The MPE series has an optional **power assist steer** feature that significantly reduces operator steer effort and increases maneuverability. This results in reduced operator fatigue. This advanced system automatically provides the proper amount of assist based on handle position, steer angle, and truck travel speed.



Optional power assist steering

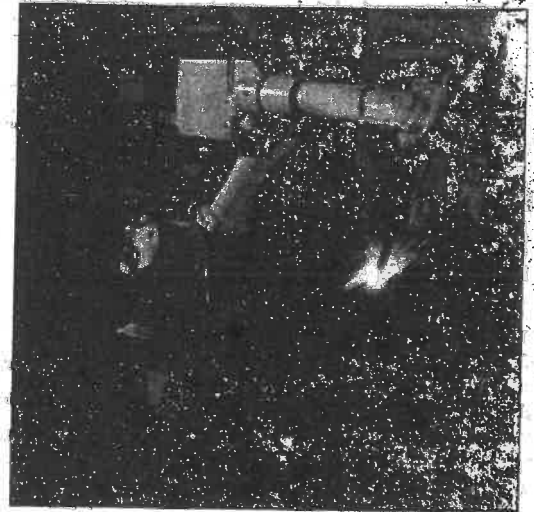


# MPE060 Dependability

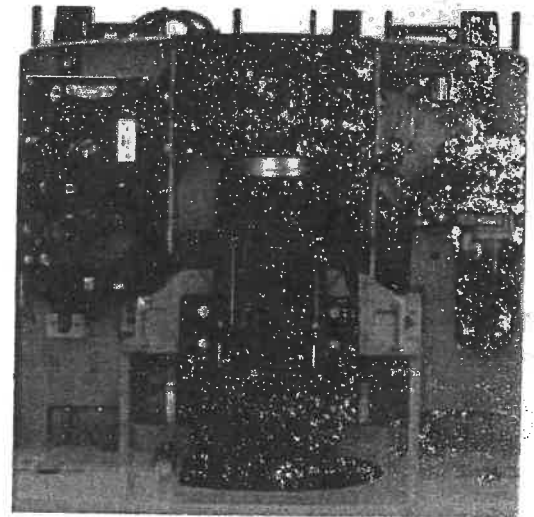
Yale® MPE060 trucks are designed and manufactured to be among the most dependable trucks in the industry today.

State of the art **robotic welding** of the forks and frame provides optimal frame rigidity for long truck life.

The UL listed **heavy-duty AC traction motor** is sealed to protect internal components from contamination. The stationary motor mounted design eliminates flexing/twisting of cables. The proven gearbox design includes maintenance-free, permanently lubricated steer bearings and heat-treated gears that are lubricated in an oil bath to provide long life.



Robotic welding



Sealed Wiring Harness Connectors

The Yale MPE060 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.

# Ultimate productivity

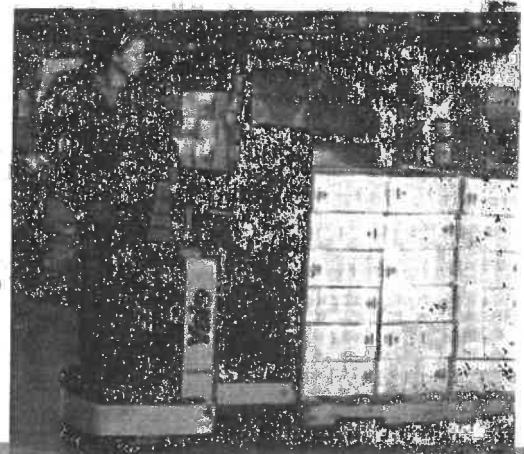
Performance and productivity are built into every Yale® truck. The MPE060 Series is no exception. From their AC motor technology, high performance hydraulic system and integral lift pump motor control, these trucks are designed with state-of-the-art technology that adds up to reliable performance.



All trucks shown with optional equipment

Yale designs and builds motorized hand trucks that can be tailored to industry and application specific needs.

The truck features **four operator selectable modes**, as well as **two master level performance settings**. Adjustable parameters allow a qualified technician to customize the truck's performance based on the customer's application.



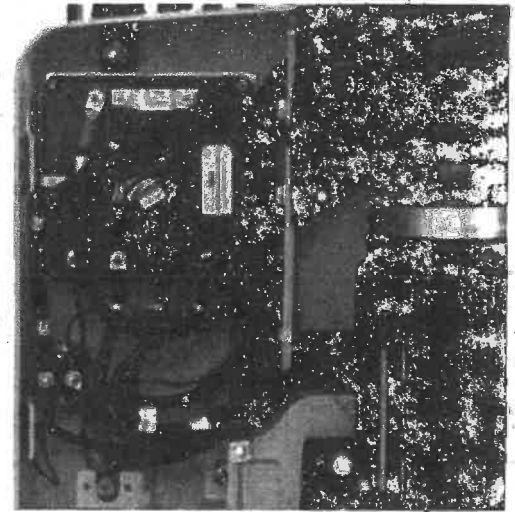


The electrical system uses **Yale® AC drive technology** designed for exceptional performance providing high starting torque and smooth acceleration. Yale AC motor technology provides faster travel speeds and quicker direction changes. A speed sensor built into the motor provides feedback to the control system, allowing motor speed and direction to be continuously monitored. The MPE provides industry leading acceleration and to speed up to 9 mph.

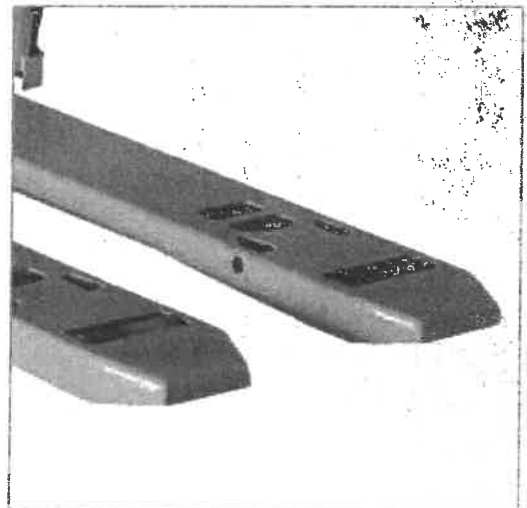
The **tapered fork design** incorporates pallet exit rollers for smooth, easy pallet entry and exit. The profile of the fork tip has been tapered to allow easy handling of the last load in a trailer.

The **optional Smart Coast Control with Pick Assist** is ideal for high throughput case picking operations. Simple, convenient button access allows the operator to set the steer handle in the optimal position (infinitely variable within handle travel limits) for low-level picking.

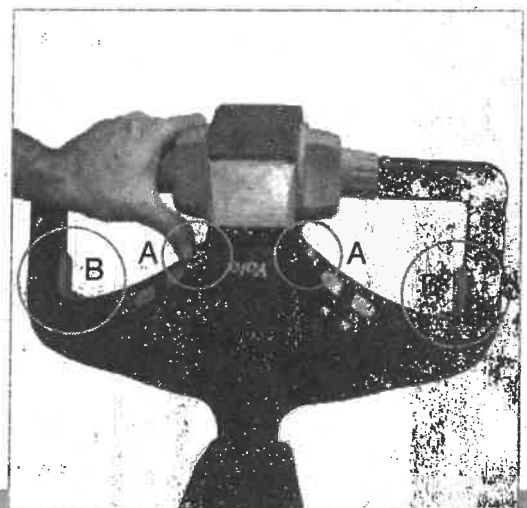
The **Auto Deceleration System** eliminates the need for an operator to manually apply a service brake to slow the truck down. The operator simply returns the throttle control towards neutral for a controlled deceleration. This feature reduces operator fatigue and enhances productivity.



AC technology



Tapered fork design



Optional Smart Coast Control (A) with Pick Assist

ultimate

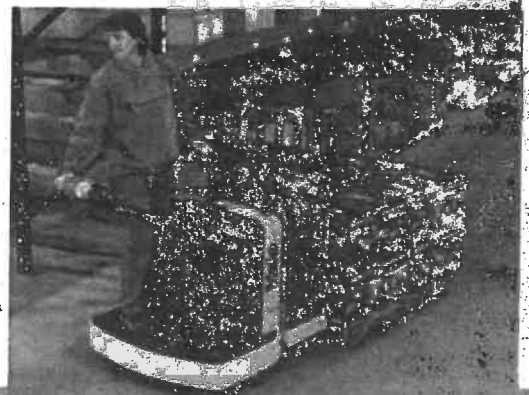
performance

# Intelligent ergonomics

Operators prefer Yale trucks. Applying best-in-class ergonomics, the Yale MPE060 Series helps your operators get the job done by reducing fatigue and improving productivity. The ergonomically designed handle puts full control at the operator's fingertips. Lifting, lowering, speed control and the horn are easily accessed regardless of operating position.



All trucks shown with optional equipment



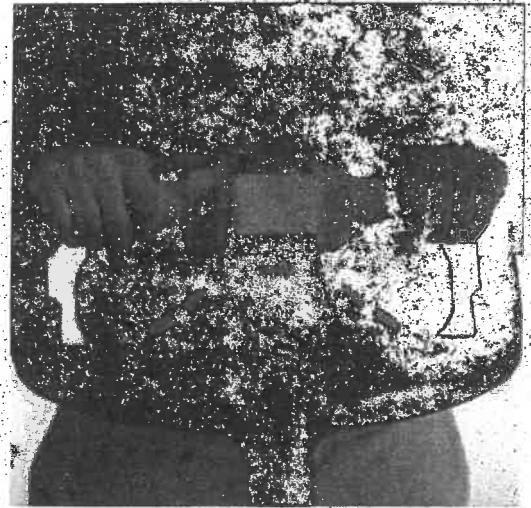
Intuitive fingertip controls

The optional Yale® **power assist steering** feature reduces steer effort by up to 90% over industry average. With this unique Yale option, the operator can easily maneuver the truck with heavy loads through congested loading areas. The amount of assist varies based upon control handle position, steer angle and truck travel speed.

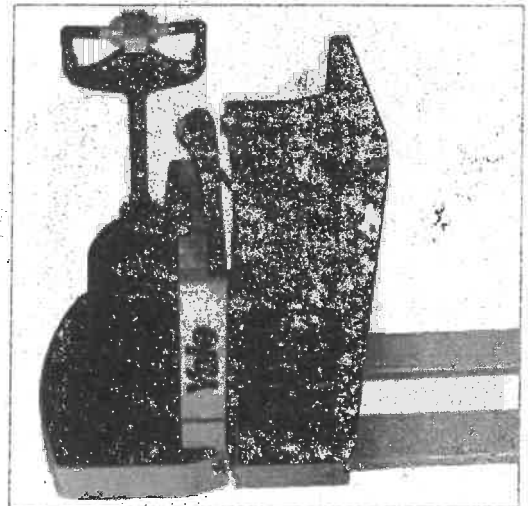
Controls for **lift, lower, speed control and the horn** can easily be operated with either hand. The wrap around traction reversing switch (belly switch) provides a large area of contact for the operator. The rotary throttle (butterfly) control has been designed to maximize tactile feel and reduce hand and arm fatigue.

The ergonomically designed **top-mounted handle** and **handrail buttons** provide intuitive control of travel, steering, lift, lower and horn. The throttle control includes both rotary and fingertip actuation to accommodate either walk or ride modes.

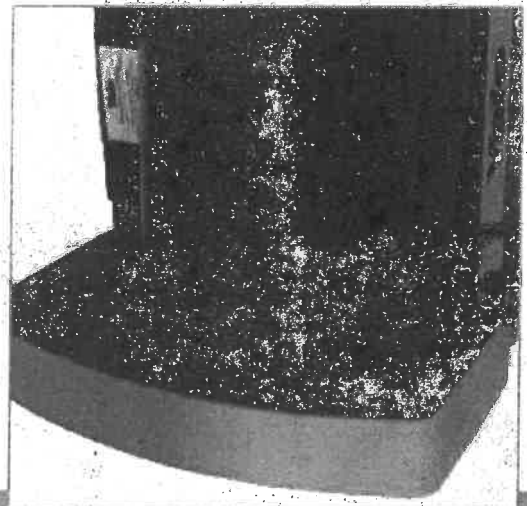
The **ergonomically designed platform** enables the operator to stand and operate the truck from either the left or right hand side. Recessed "pocket areas" in the motor compartment cover provide industry-leading foot room on the operator platform. A standard cushioned rubber floor mat with tapered edges provides excellent operator comfort. The cushion is easily removed for cleaning and service access.



Ergonomically designed control handle



Top-mounted handle

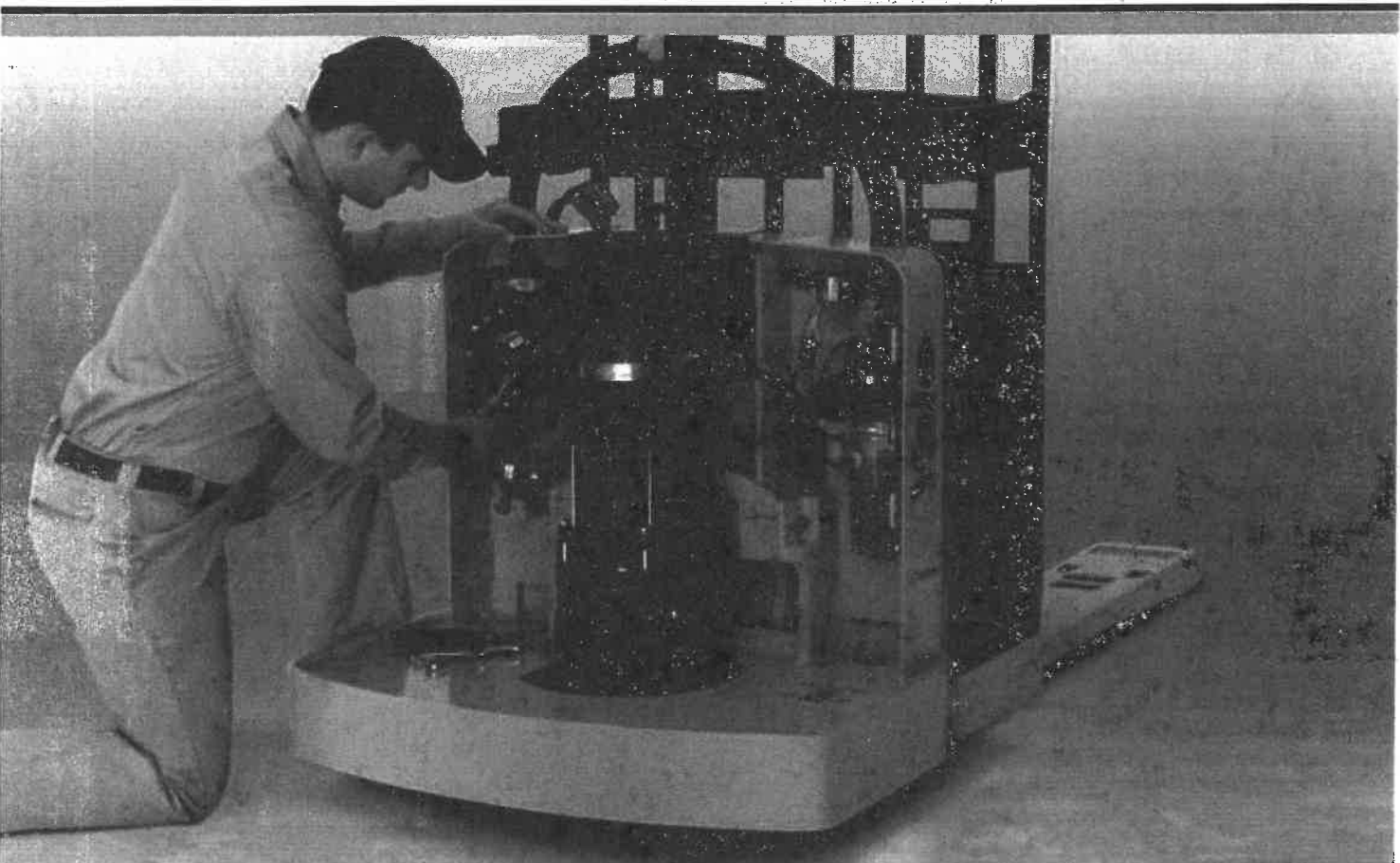


Industry leading foot room

innovative  
design

# Yale® gold service

Not only are Yale MPE060 trucks designed to require less maintenance, they're also designed to be extremely easy to service. From the easy-to-remove compartment cover, to the easy access to vital components, these trucks are designed with the smallest service details in mind. But there's nothing small about the service access these trucks provide. Yale's dedication to providing maximum access makes servicing fast, easy and convenient. It's the new standard in truck serviceability—only from Yale.



All trucks shown with optional equipment

**CANbus Technology** streamlines communications between truck systems. Wiring and electrical connections are simplified, resulting in improved reliability. The motor controller, display, steer handle card and Power Assist Steer Option are controlled via the CANbus network.



Motor Controller



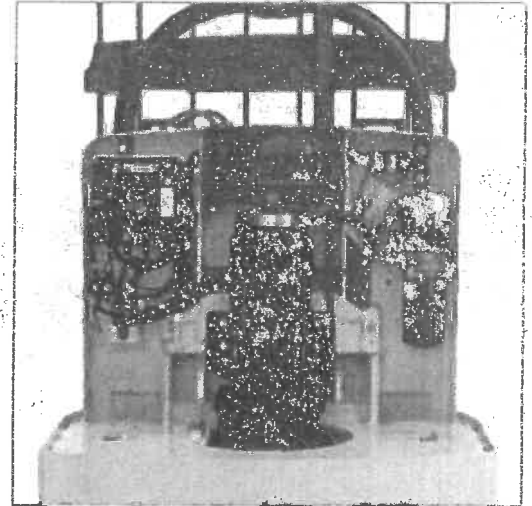
The Yale® electrical system features a **transistorized drive controller with integral lift pump motor control** that is easily to program. Built-in diagnostics speed up trouble-shooting and increase uptime. Control handle CANbus communications reduces truck wiring and sealed connectors decreasing wiring complexity. A Hall effect speed sensor in the control handle eliminates high maintenance associated with the potentiometers found on other brand trucks.

**The AC motors and controllers** offer reduced maintenance through the elimination of motor brushes and a commutator. More efficient than DC motors and controls, AC technology eliminates arcing, sparking and brush dust from brushwear.

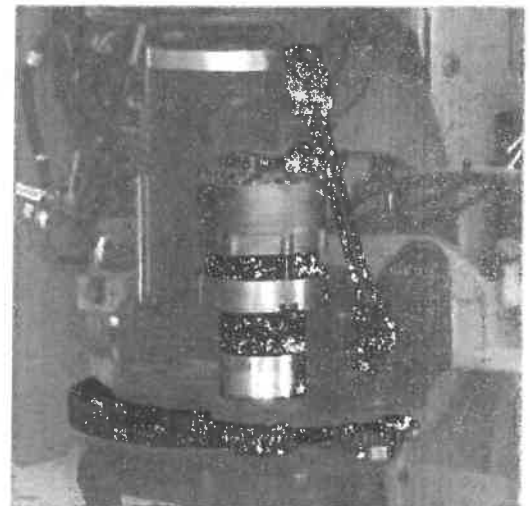
The **optional power assist steer system** is also brushless to help reduce maintenance requirements.

The **lift linkage can be easily adjusted** from the top of the fork. Yale's replaceable rod ends are designed to be the "fuse" in the system. They eliminate the need to replace the entire pull rod like competitive models.

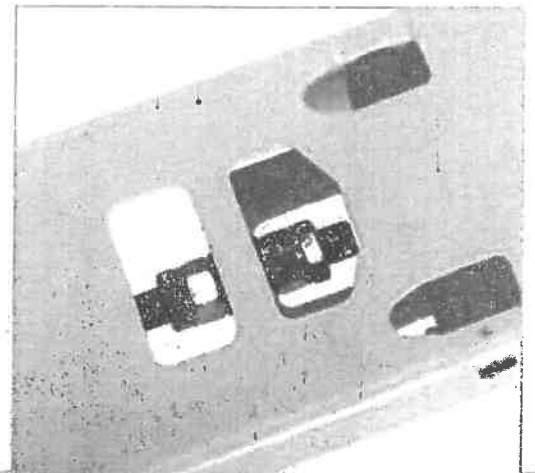
The truck's **compartment cover** is made out of a custom thermal plastic material that is exceptionally rugged. It is attached with spring clips and is easily removed without tools.



Excellent service access



Optional power assist steer motor.



Easy to adjust lift linkage

access

# Yale® MPE060 highlights/options



## Productivity highlights

24 volt battery	Std
Industry leading pallet entry and exit	Std
AC technology for maximum performance	Std
High performance hydraulic system	Std
Class H installation provides maximum thermal protection	Std
Fully programmable control system	Std
Auto Deceleration System	Std
Heavy-duty traction motor	Std
4 bearings per load wheel	Opt
Reinforced forks	Std
Large drive tire	Std
Single Pallet Fork Length 48"	Std

## Productivity options

Single pallet fork lengths 36", 42", 60"	Opt
Double and triple length pallet fork lengths 64", 84", 93", 96", 144"	N/A
Pivoting or stationary load backrest extension and convenience tray	Opt
Manual Coast Control with pick assist	Opt
Smart Coast Control with pick assist	Opt
Heavy-duty caster wheels with sealed bearings for wet applications	Opt
Cooler/Freezer Package*	Opt
SubZero Freezer Package**	Opt
Heavy Corrosion/Wash Down Package	N/A
Battery rollers	Opt
Dual load wheels	Opt
UL "EE" rated construction	N/A
RF Terminal Power Supply	Opt
4 bearings per load wheel	Opt
Power Assist Steer	Opt

## Ergonomic highlights

Contoured handgrip alleviates fatigue	Std
Controls provide easy operation with either right or left hand	Std
Low effort butterfly actuators rotate 30 degrees in either direction	Std
Large horn buttons	Std
Lift/lower control designed with tactile feel for intuitive use	Std
Top mounted handle optimizes the rider position	Std
Large platform enhances operator stability	Std
Thick cushion floor mat	Std
Padded contoured hand rail	Std
Gas assist spring provides effortless positioning and controlled return of the handle to a vertical position	Std
Four operator selectable performance modes	Std
Low 10" step height	Std

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

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

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

# Yale® MPE060 highlights/options



## Ergonomic options

Convenience tray	Opt
Manual Coast Control with pick assist	Opt
Smart Coast Control with pick assist	Opt
Power assist steering provides reduced steer effort and easier maneuverability	Opt
Amber strobe	Opt
Audible alarm	Opt

## Serviceability highlights

CANbus communications provides fewer wires, greater reliability	Std
Designed for minimal troubleshooting and repair time	Std
Single sealed circuit board in handle	Std
Hall Effect speed control sensor eliminates the use of potentiometers, therefore eliminating wear and adjustment	Std
Durable steel reinforced composite material and rugged steel tubing control handle arm	Std
Fused traction controller	Std
Solid-state hydraulic pump control	Std
Stationary traction motor	Std
Metal Oxide Semiconductor Field Effect Transistor (MOSFET) traction controller	Std
Solid-state electric horn	Std
Low maintenance electro-mechanical park brake	Std
Lubrication fittings on all lift linkage and steer handle	Std
Special plating process used on all critical lift linkage pivot points to prevent corrosion	Std
Hydraulic translucent tank allows for quick fluid level check	Std
Multi-function display (with service reminder, lift interrupt, on-board test, diagnostics)	Std
Knock-out load wheel axles	Std
Heavy-duty 1" x 2" pull rods with replaceable threaded ends	Std
Drive tire wheel easily removed with five bolts	Std

## Serviceability options

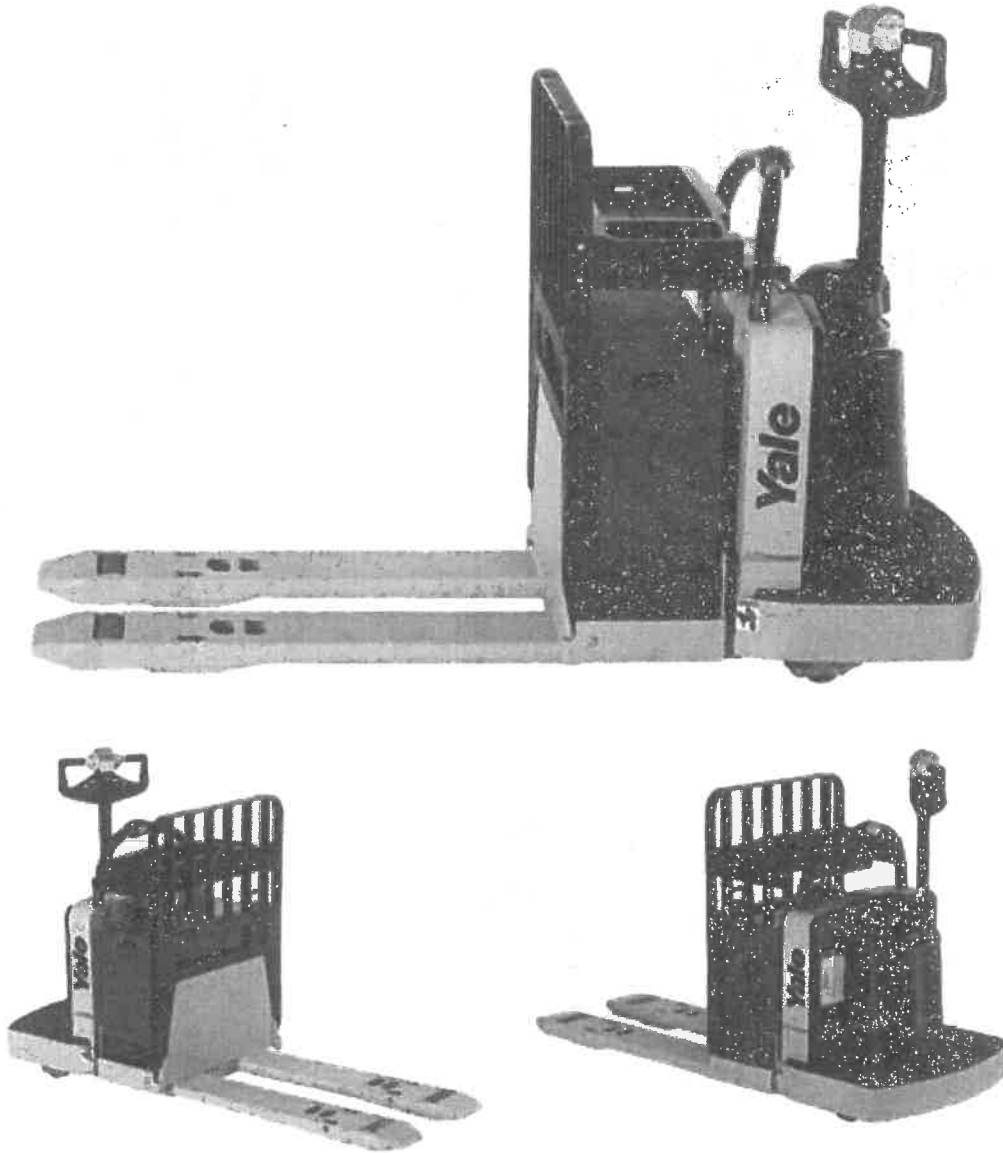
Battery rollers	Opt
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The Yale products included in this document may be covered by U.S. Patent 6,684,148 and other patents pending.

**Sales • Rentals • Financing • Fleet Management  
Parts • Service • Operator Training**

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**Manufactured in our own ISO 9001 and ISO 14001 Registered Facilities**



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# MPE060F

## Rider/Walkie Pallet Trucks

### 6,000 lbs

**Yale®** motorized hand trucks incorporate the latest state-of-the-art technology and ergonomics design making Yale the leader for walkie/rider applications.

#### Controls

Travel direction and speed are selected by rotating the actuator in the desired direction of travel. The rotary actuator provides multiple grip positions minimizing operator fatigue. The stationary portion of the hand rail minimizes wrist movement and provides a solid grip while maneuvering the truck. The top-mounted handle optimizes operator comfort in the ride position.

**Lift, lower, and horn pushbuttons** are conveniently located on the control handle and hand rail to enable use in the walk or ride position.

**The Traction Reversing Switch** located on top of the handle provides a large area of contact for the operator. When the operator makes contact with the switch the truck simultaneously reverses direction and sounds the horn.

**Optional Power Assist Steer** helps the operator to easily maneuver the truck with heavy loads through congested loading areas. The amount of assist varies based upon control handle position, steer angle and truck travel speed.

**Optional Smart Coast Control with Pick Assist** allows the operator to move the truck forward without having to re-mount the truck and lower the steer handle each time, saving valuable time during pick operations.

#### Operator's Compartment

The ergonomically designed hand rail and platform enables operation from either the left or right side. The top-mounted handle and hand rail buttons provide intuitive control of travel, steering, lift/lower and the horn. The hand rail provides a place for the operator to grab when

stepping on to the platform as well as providing stability when driving the truck. The auxiliary controls located on the hand rail are designed to minimize movement of the hand to actuate the various functions. This design adds to operator stability.

The large platform, top-mounted control handle, and contoured covers give the operator maximum workspace. The hand rail and handle grips are designed to fit an operator's natural hand position. A thick cushioned floor mat and padded hand rail absorbs road shock and reduces operator fatigue.

#### Electrical System

The electrical system utilizes AC drive technology designed for exceptional performance. High starting torque and smooth acceleration are a few factors benefited from this technology. A speed sensor built into the motor provides feedback to the control system, allowing motor speed and direction to be continuously monitored. The MPE provides industry leading acceleration and a top speed up to 9 mph.

**CANbus Communication Technology** streamlines communications between truck systems. The control handle, controller, display and optional power assist steer communicate via the CANbus network. CANbus reduces wiring and electrical connections.

**A Thermal Management System** continuously monitors traction motor and motor controller temperatures, and if necessary, the system gradually adjusts performance to protect truck systems.

#### AC Traction System

The traction system consists of the traction motor, gearbox, and brake. The innovative gearbox design incorporates maintenance-free steer bearings, a stationary mounted traction motor, integrated motor pinion, and drive axle string guard. The permanently lubricated steer bearings are sealed within the gearbox housing. The stationary traction motor eliminates power cable tension and flex. The integral pinion and support bearings optimize the gear mesh resulting in a quieter gearbox. The splined coupling allows for quick removal and installation of the traction motor. The drive axle string guard minimizes axle seal damage from shrink-wrap, banding, etc. The electrically released/mechanically applied brake is mounted on the top of the traction motor for ease of inspection and service.

**The on-board software** allows certified personnel access to programming, test and diagnostic functions without the need of a handset or special tools. More in-depth programming can be performed by the servicing dealer using a PC service tool.

*(continued on back)*





GENERAL	1	Manufacturer		Yale®				
	2	Model Designation		MPE060F				
	3	Power		Battery - 24 Volt				
	4	Operation		Stand Ride				
	5	Rated Capacity	lb (kg)	6000 (2722)				
	6	Fork Length (Nominal)	in (mm)	36 (914)	42 (1067)	48 (1219)	60 (1524)	
		Fork Length (Actual)	in (mm)	35.75 (908)	41.75 (1060)	47.75 (1213)	59.75 (1518)	
	7	Fork Overall Width	in (mm)	27.0 (686)	27.0 (686)	27.0 (686)	27.0 (686)	
	8	Fork Width (Individual Fork)	in (mm)	9.1 (231)	9.1 (231)	9.1 (231)	9.1 (231)	
9	Load Distance - Face of Forks to Center of Load Wheel - Lowered	in (mm)	28.75 (730)	34.75 (883)	40.75 (1035)	52.75 (1340)		
WEIGHTS	10	Truck Weight - Without Battery - No Load	lb (kg)	1237 (561)	1257 (570)	1272 (577)	1302 (591)	
	11	Axle Loading	Drive Static with Max. Wt. Battery - Rated Load	lb (kg)	2268 (1029)	2566 (1164)	2807 (1273)	3212 (1457)
			Drive Static with Max. Wt. Battery - No Load	lb (kg)	1541 (699)	1601 (726)	1649 (748)	1760 (798)
	12		Load Wheel Static with Max. Wt. Battery - Rated Load	lb (kg)	6109 (2771)	5831 (2645)	5605 (2542)	5230 (2372)
			Load Wheel Static with Max. Wt. Battery - No Load	lb (kg)	836 (379)	796 (361)	763 (346)	682 (309)
DIMENSIONS	13	Wheelbase	No Load Backrest or w/ Pivoting Load Backrest - Raised	in (mm)	49.2 (1250)	55.2 (1402)	61.2 (1554)	73.2 (1859)
			No Load Backrest or w/ Pivoting Load Backrest - Lowered	in (mm)	53.8 (1367)	59.8 (1519)	65.8 (1671)	77.8 (1976)
			With Bolt-On Load Backrest - Raised	in (mm)	51.2 (1300)	57.2 (1453)	63.2 (1605)	75.2 (1910)
			With Bolt-On Load Backrest - Lowered	in (mm)	55.8 (1417)	61.8 (1570)	67.8 (1722)	79.8 (2027)
	14	Overall Length	No Load Backrest or w/ Pivoting Load Backrest	in (mm)	75.3 (1913)	81.3 (2065)	87.3 (2217)	99.3 (2522)
			With Bolt-On Load Backrest	in (mm)	77.3 (1963)	83.3 (2116)	89.3 (2268)	101.3 (2573)
	15	Center of Load Wheel to Tip of Forks - Raised		in (mm)	11.7 (297)	11.7 (297)	11.7 (297)	11.7 (297)
	16	Center of Load Wheel to Tip of Forks - Lowered		in (mm)	7.0 (178)	7.0 (178)	7.0 (178)	7.0 (178)
	17	Outside Turning Radius	No Load Backrest or w/ Pivoting Load Backrest - Raised	in (mm)	63.6 (1615)	69.6 (1768)	75.6 (1920)	87.6 (2225)
			No Load Backrest or w/ Pivoting Load Backrest - Lowered	in (mm)	68.3 (1735)	74.3 (1887)	80.3 (2040)	92.3 (2344)
			With Bolt-On Load Backrest - Raised	in (mm)	65.6 (1666)	71.6 (1819)	77.6 (1971)	89.6 (2276)
			With Bolt-On Load Backrest - Lowered	in (mm)	70.3 (1786)	76.3 (1938)	82.3 (2090)	94.3 (2395)
	18	Right Angle Stack	No Load Backrest or w/ Pivoting Load Backrest - Raised	in (mm)	78.6 (1996)	83.7 (2126)	89.1 (2263)	100.0 (2540)
			With Bolt-On Load Backrest - Raised	in (mm)	80.4 (2042)	85.4 (2169)	90.9 (2309)	101.8 (2586)
	19	Equal Intersecting Aisle	No Load Backrest or w/ Pivoting Load Backrest - Raised	in (mm)	61.8 (1570)	64.9 (1648)	68.0 (1727)	74.3 (1887)
		With Bolt-On Load Backrest - Raised	in (mm)	63.3 (1608)	66.5 (1689)	69.6 (1768)	75.9 (1928)	
20	Grade Clearance - Chassis		%	26	26	26	26	
21	Grade Clearance - Center of Wheelbase		%	39	34	31	25	
22	Grade Clearance - Forks		%	39	39	39	39	
23	Lift Height - Top of Fork - Lowered / Raised / Total Lift		in (mm)	3.2 / 9.2 / 6.0 (81 / 234 / 152)				
24	Truck Overall Width		in (mm)	36.9 (937)				
25	Chassis Length - Length to Face of Forks		in (mm)	39.5 (1003)				
26	Battery Compartment - Length x Width x Height - Std / w/Battery Rollers		in (mm)	31.25 x 13.4 x OPEN (794 x 340 x OPEN)				
PERF.	27	Travel Speed - Chassis First - No Load / Rated Load	mph (kph)	9.0 / 6.7 (14.5 / 10.8)				
		Travel Speed - Forks First - No Load / Rated Load	mph (kph)	6.0 / 5.2 (9.7 / 8.4)				
	28	Drive Control Type		AC				
29	Service Brake Type		Electro-Mechanical					
WHEELS	30	Drive Tire - Size / Type (Number of Wheels)	in	10.0 x 5.0 x 6.5 / Poly (1)				
	31	Load Wheel - Size / Type (Number of Wheels)	in	3.25 x 6.5 / Poly (2)				
	32	Caster Tire - Size / Type (Number of Wheels)	in	4.0 x 2.5 / Poly - Spring Loaded (2)				

Above specifications, unless otherwise listed, are for a standard truck without optional equipment.  
Right Angle Stack and Equal Intersecting Aisle are calculated using a 40" wide pallet.  
Grade Clearance measured to the bottom of the pallet with forks in a raised position.

BATTERY SPECIFICATIONS							
Number of Cells	Cell Size	Plates per Cell	Capacity	Battery Dimensions			Weight
			6 Hour Rate	"X"	"Y"	"Z"	
			amp hr (kwh)	in (mm)	in (mm)	in (mm)	lb (kg)
12	75	7	225 (5.2)	25.7 (652)	8.8 (224)	23.3 (592)	540 (245)
12	85	7	255 (6.0)	25.7 (652)	8.8 (224)	23.3 (592)	570 (259)
12	75	11	375 (8.7)	26.5 (673)	13.0 (330)	23.3 (592)	825 (374)
12	85	11	425 (9.9)	26.5 (673)	13.0 (330)	23.3 (592)	865 (392)
12	75	13	450 (10.5)	30.9 (785)	13.0 (330)	23.3 (592)	987 (448)
12	85	13	510 (11.9)	30.9 (785)	13.0 (330)	23.3 (592)	1035 (469)
12	100	13	600 (14.0)	30.9 (785)	13.0 (330)	26.2 (665)	1200 (544)

Battery Connector: 175 Amp, Red  
 Battery Lead: Length 20" (508 mm), Position "B", 1/0 AWG

(continued from cover)

Certified technicians can customize the performance of the truck to meet the customer's particular application. The truck features four operator selectable modes, as well as two master level performance settings.

#### Hydraulic Components

The high performance hydraulic system is designed for high cycle, multi-shift operations. The hydraulic pump and motor assembly features a series wound motor which provides high torque and low noise. The translucent tank provides quick and easy inspection of hydraulic oil level.

#### Forks and Frame

Robotically welded steel forks are formed and fabricated for strength and rigidity. The 1" x 2" pull rods and replaceable threaded ends allow for easy fork adjustment. Pull rod adjustment can be easily made from the top of the fork.

#### Pallet Entry and Exit

Yale fork design provides industry leading pallet entry and exit of both standard and non-standard pallets. The pallet entry/exit system consists of a tapered fork nose, exit runners, and a center roller.

#### Wheels, Tires, and Casters

A 10" drive tire is used on the MPE060F. The drive wheel is secured to the drive axle with five bolts. Single load wheels (3.25" x 6.5") are standard on all trucks. A knock-out axle provides access for quick and easy maintenance. Two spring-loaded casters provide additional stability.

#### Options

- Power assist steer
- Heavy duty casters
- Battery rollers
- Convenience tray (load backrest mounted or battery mounted)
- RF terminal power supply – 24-volt, unregulated
- Audible alarm
- Visible alarm – pole mounted amber strobe
- Fork lengths:
  - 36" long forks
  - 42" long forks
  - 60" long forks
- Drive tire:
  - Rubber – 65 durometer – 10" x 5.0"
  - Siped polyurethane – 90 durometer – 10" x 5.0"
- Load wheels – various options available
- Load backrest:
  - 48" high (pivoting or bolt-on)
  - 60" high (pivoting or bolt-on)
  - 72" high (bolt-on)
- Accessories:
  - Manual coast control with pick assist
  - Smart coast control with pick assist
  - Application / environmental construction:
    - Cooler/Freezer Package (operating temperatures: 0° F to +120° F)
    - SubZero Freezer Package (operating temperatures: -40° F to +120° F)



YALE MATERIALS HANDLING CORPORATION  
 P.O. Box 7367, Greenville, NC 27835-7367  
[www.yale.com](http://www.yale.com)

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Manufactured in our own ISO 9001 and 14001 Registered Facilities

2544-1B 6/2014 All trucks shown with optional equipment.

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

This truck meets all applicable mandatory requirements of ANSI B56.1 Safety Standard for Powered Industrial Trucks at the time of manufacture. Classified by Underwriters' Laboratories, Inc., as to fire and electric shock hazard only for Type E industrial trucks.

The Yale® products included in this document may be covered by US patent 6,684,148 and other patents pending.