

M0 series

5,500lb - 8,000lb

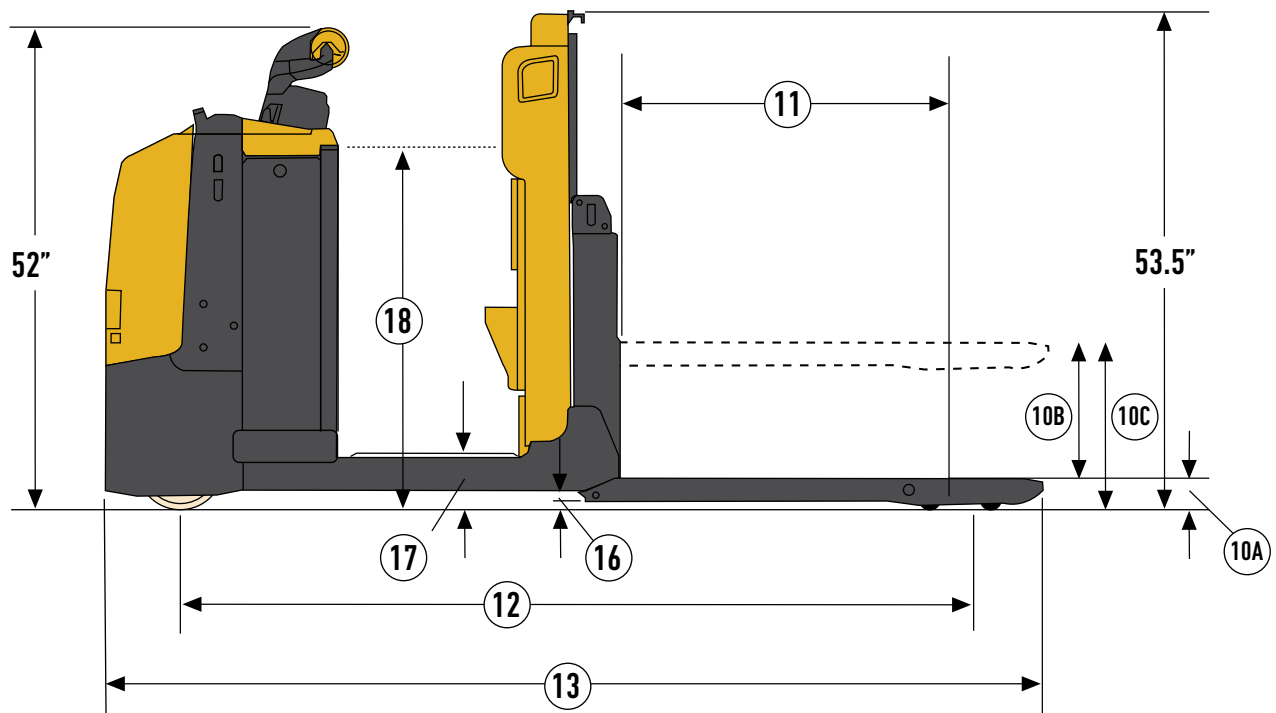
Low-Level Order Picker



SPEC SHEET

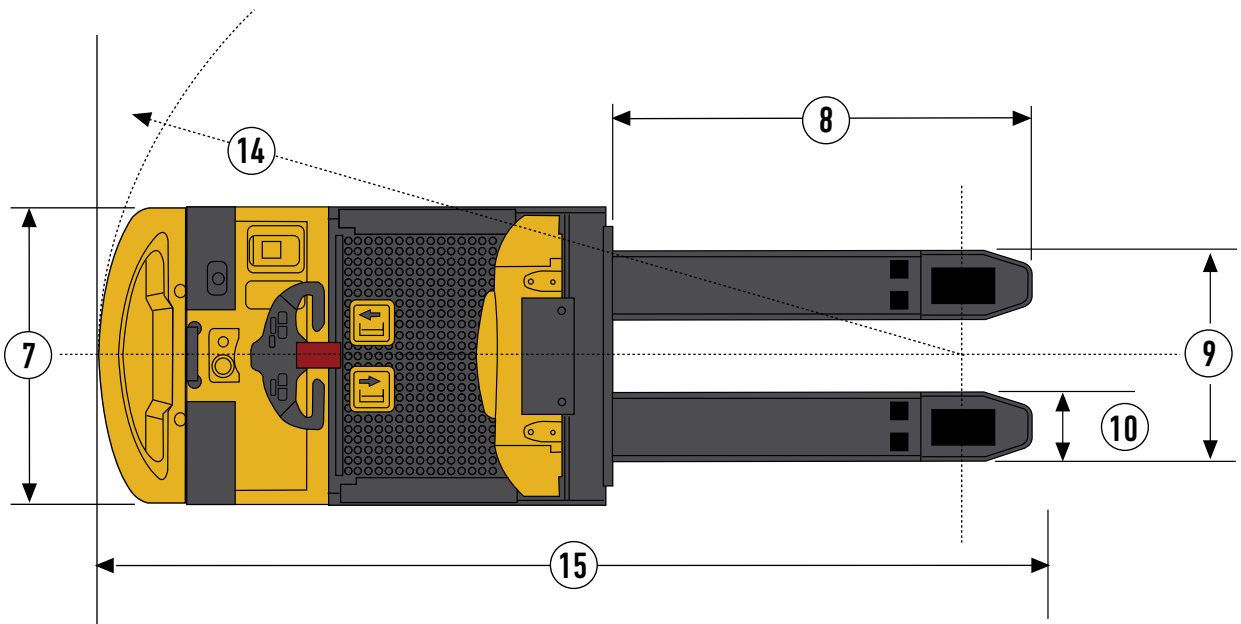
Models: M055, M060, M080

TRUCK DIMENSIONS M055-80



Circled truck dimensions correspond to the line numbers in the General Specifications chart. Dimensions are listed in inches (millimeters).

TRUCK DIMENSIONS M055-80



Circled truck dimensions correspond to the line numbers in the General Specifications chart. Dimensions are listed in inches (millimeters).

GENERAL SPECIFICATIONS M055

| | | | | | | |
|----------------|-------------|----------------------------------|-----------------------------------|----------------------------|------------------------------------|---|
| GENERAL | 1 | Manufacturer | | Yale | | |
| | 2 | Model designation | | M055 | | |
| | 3 | Power | | Battery | | |
| | 4 | Voltage | | 34 | | |
| | 5 | Operation | | Order Picker | | |
| | 6 | Rated capacity | lbs (kg) | 5500 (2500) | | |
| DIMENSIONS | 7 | Overall width | in (mm) | 31.3 (796) | | |
| | 8 | Fork length | in (mm) | 46.5 (1181) 94.9 (2411) | | |
| | 9 | Fork overall width | in (mm) | 26.4 (670) | | |
| | 10 | Fork width - individual fork | in (mm) | 7.2 (184) | | |
| | 10a | Lowered height | in (mm) | 3.35 (85) | | |
| | 10b | Max lift height | in (mm) | 4.72 (120) | | |
| | 10c | Overall height | in (mm) | 8 (205) | | |
| | 11 | Load wheel drop - lowered | in (mm) | 39 (990) 59.8 (1518) | | |
| | 12 | Wheelbase | in (mm) | 79.3 (2015) 100.1 (2543) | | |
| | 13 | Overall length | in (mm) | 101.9 (990) 150.4 (3819) | | |
| | 14 | Outside turning radius | in (mm) | 87.4 (990) 108.1 (1747) | | |
| | 15 | Equal aisle | 90 Intersecting aisle | in (mm) | 111.3 (990) 111.3 (2827) | |
| | 16 | Ground clearance | Center of wheelbase | in (mm) | 1 (25) | |
| | 17 | Step height | | in (mm) | 6 (152) | |
| | 18 | Platform elevated height | | in (mm) | 38.6 (980) | |
| | 19 | Battery compartment | Height / standard battery rollers | in (mm) | 31.2 x 14.1 x 32 (792 x 357 x 814) | |
| | 20 | Floor to top of battery rollers | Side extraction | in (mm) | 5.6 (141) | |
| | PERFORMANCE | 21 | Travel speed - NL/RL | mph (km/h) | 6.5 / 5.3 (10.5 / 8.5) | |
| | | 22 | Lift speed - NL/RL | Forks | ft/min (m/sec) | 8 / 5 (0.039 / 0.023) |
| | | | | Cab | ft/min (m/sec) | 37 / 37 (0.189 x 0.189) |
| 23 | | Lower speed - NL/RL | Forks | ft/min (m/sec) | 4 / 7 (0.018 / 0.038) | |
| | | | Cab | ft/min (m/sec) | 32 / 32 (0.162 / 0.162) | |
| 24 | | Gradeability - NL/RL | 5 Minute rating | % | 20 / 6 | |
| | | | 60 Minute rating | % | 20 / 10 | |
| 26 | Brake | Service / parking | | Electromagnetic | | |
| WEIGHT | 27 | Truck weight - NL | Without Battery | lb (kg) | 2888 (1310) | |
| | 28 | Axle loading - drive - NL/RL | Static w/ Max. Wt. Battery | lb (kg) | 2154 / 3180 (977 / 1442) | |
| | 29 | Axle loading - load wheel- NL/RL | Static with Max. Wt. Battery | lb (kg) | 734 / 5221 (333 / 2368) | |
| | 30 | Battery weight | Min/Max | lb (kg) | 1,005 (456) / 1,111 (504) | |
| TIRES & WHEELS | 31 | Tire type - drive / steer | | | Vulkollan / polyurethane | |
| | 32 | Tire size - drive / steer | Std | in | 10 x 3.5 / 10 x 3.5 | |
| | 33 | Wheels - number - drive / steer | X=Driven | | | 1X / 4 |
| ELECTRIC | 34 | Battery | Type | | Lead acid | |
| | 35 | Traction motor | 60 Minute rating | hp (kW) | 3.5 (2.6) | |
| | 36 | Pump motor | 15 Minute rating | hp (kW) | 2.7 (2) | |
| | 37 | Traction motor | Type / control method | | | AC / Mosfet |
| | 38 | Pump motor | Type / control method | | | AC / Mosfet |
| | 39 | Number of speeds | Traction / pump | | | Infinitely variable / infinitely variable |

Above specifications, unless otherwise listed, are for a standard truck without optional equipment.

NL = no load RL = rated load

GENERAL SPECIFICATIONS M060

| | | | | | | | |
|----------------|-------------|----------------------------------|-------------------------------------|--------------------------|---|---|--------------|
| GENERAL | 1 | Manufacturer | | Yale | | | |
| | 2 | Model designation | | M060 | | | |
| | 3 | Power | | Battery | | | |
| | 4 | Voltage | | 24 | | | |
| | 5 | Operation | | Order Picker | | | |
| | 6 | Rated capacity | lb (kg) | 6000 (2722) | | | |
| DIMENSIONS | 7 | Overall width | in (mm) | 31.3 (796) | | | |
| | 8 | Fork length | in (mm) | 36 (915) | 48 (1219) | 60 (1524) | |
| | 9 | Fork overall width | in (mm) | 26.4 (670) | | | |
| | 10 | Fork width - individual fork | in (mm) | 9 (229) | | | |
| | 10a | Lowered height | in (mm) | 3.35 (85) | | | |
| | 10b | Max lift height | in (mm) | 4.72 (120) | | | |
| | 10c | Overall height | in (mm) | 8 (205) | | | |
| | 11 | Load wheel drop - lowered | in (mm) | 27.4 (696) | 39.4 (1000) | 51.4 (1306) | |
| | 12 | Wheelbase | in (mm) | 74.4 (1899) | 86.8 (2204) | 98.8 (2509) | |
| | 13 | Overall length | in (mm) | 91.5 (2322) | 103.5 (2627) | 94.25 (2932) | |
| | 14 | Outside turning radius | in (mm) | 83 (2104) | 95 (2409) | 107 (2714) | |
| | 15a | Aisle Width | Working aisle (Ast) (unladen forks) | in (mm) | 117 (2972) | 165 (4191) | 123.3 (3132) |
| | 15b | Aisle Width | 90-deg Equal Intersecting aisle | in (mm) | 96 (2450) | 111 (2825) | 145 (3684) |
| | 16 | Ground clearance | Center of wheelbase | in (mm) | 1 (25) | | |
| | 17 | Step height | | in (mm) | 6 (152) | | |
| | 18 | Platform elevated height | | in (mm) | 38.6 (980) | | |
| | 19 | Battery compartment | Height / standard battery rollers | in (mm) | 31.2 x 14.1 x 32 (792 x 357 x 814) | | |
| | 20 | Floor to top of battery rollers | Side extraction | in (mm) | 5.6 (141) | | |
| | PERFORMANCE | 21 | Travel speed - NL/RL | mph (km/h) | 6.5 / 5.3 (10.5 / 8.5) | | |
| | | 22 | Lift speed - NL/RL | Forks | ft/min (m/sec) | 8 / 5 (0.039 / 0.023) | |
| Cab | | | | ft/min (m/sec) | 37 / 37 (0.189 x 0.189) | | |
| 23 | | Lower speed - NL/RL | Forks | ft/min (m/sec) | 4 / 7 (0.018 / 0.038) | | |
| | | | Cab | ft/min (m/sec) | 32 / 32 (0.162 / 0.162) | | |
| 24 | | Gradeability - NL/RL | Maximum Gradeability | % | 6 / 16 | | |
| 26 | Brake | Service / parking | | Electromagnetic | | | |
| WEIGHT | 27 | Truck weight - NL | Without Battery | lb (kg) | 1950 (886) | 1995 (907) / 2030 (923) | |
| | 28 | Axle loading - drive - NL/RL | Static w/ Max. Wt. Battery | lb (kg) | 2213 (1006) / 3401 (1546) | 2246 (1020) / 3418 (1554) / 2273 (1033) / 3430 (1560) | |
| | 29 | Axle loading - load wheel- NL/RL | Static with Max. Wt. Battery | lb (kg) | 738 (335) / 5549 (2522) | 749 (340) / 5577 (2535) / 758 (344) / 5600 (2545) | |
| | 30 | Battery weight | Min/Max | lb (kg) | 1,005 (456) / 1,111 (504) | | |
| TIRES & WHEELS | 31 | Tire type - drive / steer | | Vulkollan / polyurethane | | | |
| | 32 | Tire size - drive / steer | Std | in (mm) | 10 x 3.5 / 10 x 3.5 (254 x 90 / 254 / 90) | | |
| | 33 | Wheels - number - drive / steer | X=Driven | | 1X / 4 | | |
| ELECTRIC | 34 | Battery | Type | | Lead acid | | |
| | 35 | Traction motor | 60 Minute rating | hp (kW) | 3.5 (2.6) | | |
| | 36 | Pump motor | 15 Minute rating | hp (kW) | 2.7 (2) | | |
| | 37 | Traction motor | Type / control method | | AC / Mosfet | | |
| | 38 | Pump motor | Type / control method | | AC / Mosfet | | |
| | 39 | Number of speeds | Traction / pump | | Infinitely variable / infinitely variable | | |

Above specifications, unless otherwise listed, are for a standard truck without optional equipment.

NL = no load RL = rated load

GENERAL SPECIFICATIONS M080

| | | | | | | | |
|----------------|-------------|----------------------------------|-------------------------------------|--------------------------|---|---------------------------|---------------------------|
| GENERAL | 1 | Manufacturer | | Yale | | | |
| | 2 | Model designation | | M080 | | | |
| | 3 | Power | | Battery | | | |
| | 4 | Voltage | | 24 | | | |
| | 5 | Operation | | Order Picker | | | |
| | 6 | Rated capacity | lb (kg) | 8000 (3629) | | | |
| DIMENSIONS | 7 | Overall width | in (mm) | 31.3 (796) | | | |
| | 8 | Fork length | in (mm) | 48 (1219) | 96 (2348) | 144 (3658) | |
| | 9 | Fork overall width | in (mm) | 26.4 (670) | | | |
| | 10 | Fork width - individual fork | in (mm) | 9 (229) | | | |
| | 10a | Lowered height | in (mm) | 3.15 (80) | | | |
| | 10b | Max lift height | in (mm) | 4.72 (120) | | | |
| | 10c | Overall height | in (mm) | 7.88 (200) | | | |
| | 11 | Load wheel drop - lowered | in (mm) | 39.4 (1001) | 60.4 (1534) | 87.5 (2221) | |
| | 12 | Wheelbase | in (mm) | 92.5 (2349) | 113.5 (2882) | 161.5 (4101) | |
| | 13 | Overall length | in (mm) | 109 (2772) | 157 (3991) | 205 (5211) | |
| | 14 | Outside turning radius | in (mm) | 101 (2554) | 122 (3087) | 170 (4306) | |
| | 15a | Aisle Width | Working aisle (Ast) (unladen forks) | in (mm) | 117 (2972) | 165 (4191) | 213 (5411) |
| | 15b | Aisle Width | 90-deg Equal Intersecting aisle | in (mm) | 96 (2450) | 111 (2825) | 145 (3684) |
| | 16 | Ground clearance | Center of wheelbase | in (mm) | 1 (25) | | |
| | 17 | Step height | | in (mm) | 6 (152) | | |
| | 18 | Platform elevated height | | in (mm) | 38.6 (980) | | |
| | 19 | Battery compartment | Height / standard battery rollers | in (mm) | 31.2 x 14.1 x 32 (792 x 357 x 814) | | |
| | 20 | Floor to top of battery rollers | Side extraction | in (mm) | 5.6 (141) | | |
| | PERFORMANCE | 21 | Travel speed - NL/RL | mph (km/h) | 6.5 / 5.3 (10.5 / 8.5) | | |
| | | 22 | Lift speed - NL/RL | Forks | ft/min (m/sec) | 8 / 5 (0.039 / 0.023) | |
| Cab | | | | ft/min (m/sec) | 37 / 37 (0.189 x 0.189) | | |
| 23 | | Lower speed - NL/RL | Forks | ft/min (m/sec) | 4 / 7 (0.018 / 0.038) | | |
| | | | Cab | ft/min (m/sec) | 32 / 32 (0.162 / 0.162) | | |
| 24 | | Gradeability - NL/RL | Maximum Gradeability | % | 6 / 16 | | |
| 26 | Brake | Service / parking | | Electromagnetic | | | |
| WEIGHT | 27 | Truck weight - NL | Without Battery | lb (kg) | 1995 (907) | 2100 (955) | 2250 (1023) |
| | 28 | Axle loading - drive - NL/RL | Static w/ Max. Wt. Battery | lb (kg) | 2246 (1020) / 4178 (1900) | 2325 (1057) / 4218 (1917) | 2438 (1108) / 4275 (1943) |
| | 29 | Axle loading - load wheel- NL/RL | Static with Max. Wt. Battery | lb (kg) | 749 (340) / 6817 (3100) | 775 (352) / 6882 (3128) | 813 (370) / 6975 (3170) |
| | 30 | Battery weight | Min/Max | lb (kg) | 1,005 (456) / 1,111 (504) | | |
| TIRES & WHEELS | 31 | Tire type - drive / steer | | Vulkollan / polyurethane | | | |
| | 32 | Tire size - drive / steer | Std | in (mm) | 10 x 3.5 / 10 x 3.5 (254 x 90 / 254 / 90) | | |
| | 33 | Wheels - number - drive / steer | X=Driven | | 1X / 4 | | |
| ELECTRIC | 34 | Battery | Type | | Lead acid | | |
| | 35 | Traction motor | 60 Minute rating | hp (kW) | 3.5 (2.6) | | |
| | 36 | Pump motor | 15 Minute rating | hp (kW) | 2.7 (2) | | |
| | 37 | Traction motor | Type / control method | | AC / Mosfet | | |
| | 38 | Pump motor | Type / control method | | AC / Mosfet | | |
| | 39 | Number of speeds | Traction / pump | | Infinitely variable / infinitely variable | | |

Above specifications, unless otherwise listed, are for a standard truck without optional equipment.

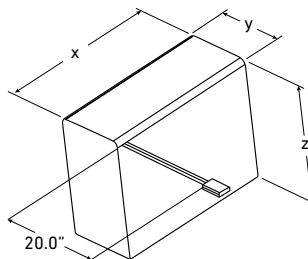
NL = no load RL = rated load

BATTERY AND COMPARTMENT SPECIFICATIONS M055-80

| Battery Type | Compartment Dimensions | | | Battery Dimensions | | | No. of Cells | Cell Size | Plates Per Cell | Capacity |
|--------------|------------------------|--------------|--------------|--------------------|------------|------------|--------------|-----------|-----------------|--------------|
| | Width | Length | Height | "X" | "Y" | "Z" | | | | 6 Hour Rate |
| | in (mm) | | | | | | | | | amp hr (kwh) |
| Industrial | 31.2 (792.0) | 14.1 (357.0) | 32.0 (814.0) | 26.1 (663) | 12.8 (325) | 23.3 (592) | 12 | 85 | 11 | 425 (9.9) |
| | | | | 30.9 (785) | 13.0 (330) | 23.3 (592) | 12 | 85 | 13 | 510 (11.9) |
| | | | | 30.9 (785) | 13.0 (330) | 30.8 (782) | 12 | 125 | 13 | 750 (17.5) |

Battery Connector: 175 Amp, Red

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



FEATURES LIST

STANDARD FEATURES

| |
|---|
| 31.18x14.05x32.04" (792x357x814mm) Battery compartment (for 620 Ah DIN battery) |
| Battery removal without rollers - lift out |
| 6.5mph Maximum travel speed (unladen) |
| Key switch start |
| Without load backrest |
| Forks (36"Long x 26.37"OAW (6,000 lb model) |
| Forks (48"Long x 26.37"OAW (8,000 lb model) |
| Dash display with hour meter and graphic battery state of charge indicators |
| Handle above operator backrest |
| Drive wheel - 10" x 3.5" NDIIthane |
| 3.3" x 3.5" Tandem polyurethane load wheels |
| Fixed operator platform |
| Scooter steer control |
| 12 Months / no hour limit full truck warranty (please refer to the full warranty statement for additional details). |
| Without battery |
| Without charger |
| English literature pack and labels |
| Regenerative braking |
| Adjustable performance settings |
| AC traction motor |
| Brushless DC steer motor |
| Dual-technology MOSFET combi controller |
| Impact-resistant motor compartment cover |
| Sealed combi controller (IP65 rating) |
| Hall-effect sensors and switches (no wear, no adjustment) |
| CANbus communication system |
| 1000 hours service intervals |

OPTIONAL FEATURES

| |
|--|
| Side battery extraction - both sides |
| Side battery extraction - left side |
| Side battery extraction - right side |
| 8mph Maximum travel speed (unladen) |
| Cold store construction (-22° F) |
| Operator password start interlock |
| Forks (48"long x 26.37"OAW (6,000 lb model) |
| Forks (60"long x 26.37"OAW (6,000 lb model) |
| Forks (96"long x 26.37"OAW (8,000 lb model) |
| Forks (144"long x 26.37"OAW (8,000 lb model) |
| Multifunctional display includes: hour meter, graphic battery state of charge indicator, maintenance indicator, alarm with fault code indicators, traction and acceleration reduction mode indicator |
| Load backrest |
| 10" x 3.5" Tophane drive wheel |
| Drive wheel - 10" x 3.5" NDIIthane Conductive |
| 3.3" x 2.7" Tandem polyurethane load wheels |
| Clip board |
| Coasting function |
| Convenience tray (load backrest mounted) |
| Multipurpose bar above motor cover |
| Stretch film roll holder |
| Trash bin in operator back rest |
| Raising operator platform |
| Raising operator platform with retractable side arms |
| Scooter steer control on lifting platform |
| Scooter control on lifting platform with platform control |
| Low mounted bumper (rubber bumper) |
| Mid mounted bumper (bull bar) |
| Yale Reliant™ (available on M055) |
| Yale Vision wireless access HID Prox card reader |
| Yale Vision wireless access iClass MiFare prox card reader |
| Yale Vision Wireless access ISO Prox card reader |
| Yale Vision wireless monitoring - Cell |
| Yale Vision wireless monitoring - Wifi |
| Yale Vision wireless verification |
| Audible alarm - reverse direction activated - self-adjusting 82-102 dB(A) |
| DC to DC converter - primary - for factory installed options - 25 amps/300 watts @ 12 volts |
| Multiple extended protection coverage plans(please refer to the Full Extended Warranty Statements for additional details). |
| French literature pack and labels |
| Spanish literature pack and labels |
| Less charger (wired plug included) |
| Battery cable extension 59" (1500mm) |
| Twin battery change station |

About Yale®



Yale Materials Handling Corporation is one of the oldest manufacturers of lift trucks in the world. We've been in the business of lifting since 1875 and we apply that experience to help customers solve materials handling challenges. Our full line of lift trucks range in capacity from 2,000 to 36,000 pounds and are powered by internal combustion engines or electric options. Yale also offers robotic solutions, telemetry, fleet management, parts, financing and training. From traditional lift truck equipment to emerging technologies, our goal, every day, is to work with our nationwide dealer network to continually improve and provide the solutions you need, when and how you need them.

MATERIALS HANDLING FOR:



3PL



Auto Parts
Distribution



Beverage



Cold & Frozen
Foods



Food
Distribution



Food
Processing



Furniture &
Furnishings



Government



Health &
Pharma



Home
Centers




Retail &
E-Commerce

Yale Materials Handling Corporation

P.O. Box 7367
Greenville, NC 27835-7367
U.S.A.

www.yale.com

Yale, and PEOPLE, PRODUCTS, PRODUCTIVITY are trademarks of Hyster-Yale Group, Inc.  is a registered copyright of Hyster-Yale Group, Inc. © Yale Materials Handling Corporation 2021. All rights reserved.

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

CERTIFICATION: Yale lift trucks meet the design and construction requirements of B56.1-1969, per OSHA Section 1910.178(a)(2), and also comply with the B56.1 revision in effect at time of manufacture. Classified by Underwriters' Laboratories, Inc.