

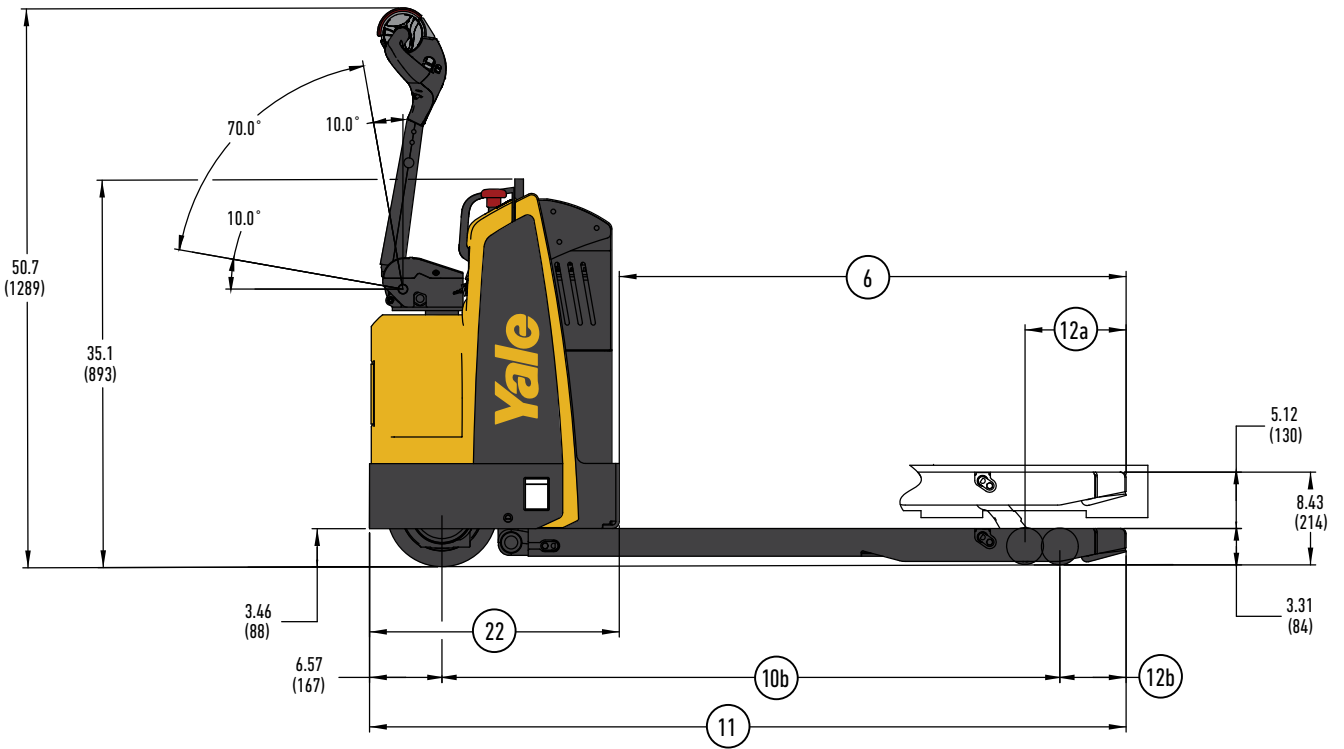
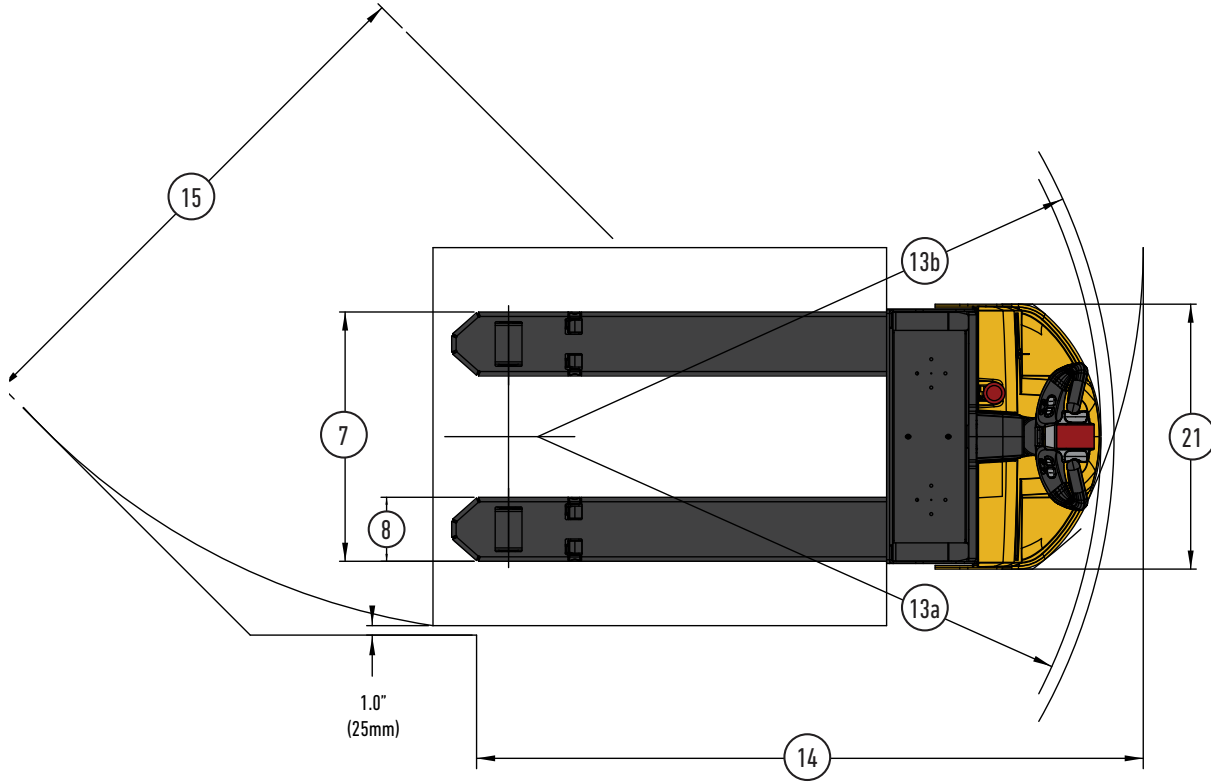


MPB 045VH

SPEC SHEET

Electric walkie
pallet jack

4,500 lbs.



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

GENERAL SPECIFICATIONS - MPB045VH

| | | | | | | | | |
|-------------|---------------------|---|-------------------------------|--|--|-----------------------------|-----------------------------|-----------------------------|
| GENERAL | 1 | Manufacturer | | Yale | | | | |
| | 2 | Model designation | | MPB045VH | | | | |
| | 3 | Power type | | 24 Volt | | | | |
| | 4 | Operator type | | Pedestrian | | | | |
| | 5 | Rated capacity | | lb. (kg) 4500 (2041) | | | | |
| | 6a | Fork length | Nominal | in. (mm) | 36 (914) | 42 (1067) | 48 (1219) | 48 (1219) |
| | 6b | | Actual | in. (mm) | 34 (866) | 42.7 (1084) | 46 (1169) | 48 (1219) |
| | 7 | Fork overall width | | in. (mm) | 26.4 (670) | 26.4 (670) | 26.4 (670) | 26.4 (670) |
| | 8 | Fork width | Individual fork | in. (mm) | 7 (172) | | | |
| 9 | Load distance | Face of forks to center of load wheels - lowered | in. (mm) | 28 (713) | 37 (931) | 40 (1016) | 40 (1016) | |
| DIMENSIONS | 10a | Wheelbase | Raised | in. (mm) | 41.0 (1042) | 49.6 (1261) | 53.0 (1346) | 53.0 (1346) |
| | 10b | | Lowered | in. (mm) | 44.2 (1122) | 52.8 (1340) | 56.1 (1425) | 56.1 (1425) |
| | 11 | Overall length | | in. (mm) | 56.8 (1442) | 66.3 (1683) | 68.7 (1745) | 70.7 (1795) |
| | 12a | Center of load wheel to tip of forks | Raised | in. (mm) | 9.2 (234) | 9.2 (234) | 9.2 (234) | 11.1 (283) |
| | 12b | | Lowered | in. (mm) | 6.0 (153) | 6.0 (153) | 6.0 (153) | 6.0 (153) |
| | 13a | Outside turning radius (bumper) | Raised | in. (mm) | 47.6 (1208) | 57.1 (1449) | 59.5 (1511) | 59.5 (1511) |
| | 13b | | Lowered | in. (mm) | 50.8 (1289) | 60.3 (1530) | 62.7 (1592) | 62.7 (1592) |
| | 13b | Outside turning radius (handle) | Raised | in. (mm) | 48.9 (1242) | 57.5 (1460) | 60.8 (1545) | 60.8 (1545) |
| | 14 | | Lowered | in. (mm) | 52.1 (1324) | 61.6 (1565) | 64.1 (1627) | 64.1 (1627) |
| | 14 | Right angle stack | Raised | in. (mm) | 59.9 (1521) | 62.5 (1588) | 70.6 (1792) | 70.6 (1792) |
| | 15 | Equal intersecting aisle | Raised | in. (mm) | 48.4 (1230) | 55.0 (1396) | 56.5 (1435) | 56.5 (1435) |
| | 17a | Grade clearance | Chassis | % | 67 | | | |
| | 17b | | Center of wheelbase | % | 45 | 36 | 34 | 34 |
| | 17c | | Forks | % | 74 | 74 | 74 | 59 |
| | 18 | Overall lift height | Top of forks | in. (mm) | 8.4 (214) | | | |
| | 19 | Lowered height | Top of forks | in. (mm) | 3.3 (84) | | | |
| | 20 | Total lift | | in. (mm) | 5.1 (130) | | | |
| 21 | Truck overall width | | in. (mm) | 28.0 (712) | | | | |
| 22 | Chassis length | | in. (mm) | 22.7 (576) | | | | |
| 23 | Battery compartment | Standard | in. (mm) | 26.5 x 8.2 x OPEN (672 x 208 x OPEN) | | | | |
| PERFORMANCE | 24 | Maximum travel speed | Chassis first – NL/RL | mph (kph) | 3.7/3.7 (6.0/6.0) | 3.7/3.7 (6.0/6.0) | 3.7/3.7 (6.0/6.0) | 3.7/3.7 (6.0/6.0) |
| | 25 | | Forks first – NL/RL | mph (kph) | 3.7/3.7 (6.0/6.0) | 3.7/3.7 (6.0/6.0) | 3.7/3.7 (6.0/6.0) | 3.7/3.7 (6.0/6.0) |
| | 26 | Number of speeds | | Infinitely variable | | | | |
| | 27 | Traction motor control method type | | AC transistor | | | | |
| 28 | Service brake type | | Electro-mechanical | | | | | |
| WEIGHT | 29 | Truck weight (approximate) without battery – NL/RL | | lb. (kg) | 624.0/5124.0 (283.0/2324.0) | 650.0/5150.0 (295.0/2336.0) | 659.0/5159.0 (299.0/2340.0) | 659.0/5159.0 (299.0/2340.0) |
| | 30 | Axle loading – drive – static w/max. weight battery – NL | | lb. (kg) | 767 (348) | 783 (355) | 783 (355) | 783 (355) |
| | 31 | Axle loading – load wheel – static w/max. wt battery – NL | | lb. (kg) | 137 (62) | 128 (58) | 128 (58) | 128 (58) |
| WHEELS | 32 | Drive tire | Size/type (number of wheels) | in. | 10.0 x 4.0/Press-on smooth rubber (1) | | | |
| | 33 | Load wheel | Size/type (number of wheels) | in. | 3.25 x 4.3/Polyurethane (2) | | | |
| | 34 | Caster wheel | Size/type (number of wheels)* | in. | 3.93 x 1.57/Spring loaded polyurethane (2) | | | |
| BATTERY | 35 | Battery type | | Lead acid Thin Plate Pure Lead** Lithium-ion** | | | | |
| | 36 | Ampere hours | Maximum | ah | 300 | | | |
| | 37 | | Minimum | ah | 158 | | | |
| | 38 | Maximum weight | | lb. (kg) | 377 (171) | | | |
| | 39 | Minimum weight | | lb. (kg) | 309 (140) | | | |

RL = rated load, NL = no load

NOTE: 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.

* = Optional equipment

** Optional with Yale Power Key

BATTERY & COMPARTMENT SPECIFICATIONS - MPB045VH - FACTORY INSTALLED

| Battery type | Battery compartment dimensions | | | Battery dimensions - max | | | Capacity amp-hours | Battery connector | Max capacity | |
|-----------------------|--------------------------------|-----------|----------|--------------------------|-----------|------------|--------------------|-------------------|--------------|------------|
| | Width | Length | Height | "X" | "Y" | "Z" | | | 6 Hr rate | Weight |
| | in. (mm) | in. (mm) | in. (mm) | in. (mm) | in. (mm) | in. (mm) | | | amp hr (kwh) | |
| Standard battery pack | 26.5 (672) | 8.2 (208) | Open | 26.0 (660) | 7.8 (198) | 23.8 (605) | 208 | None | 4.0 | 353 (160) |
| Agm battery | 26.5 (672) | 8.2 (208) | Open | 26.0 (660) | 7.8 (198) | 23.8 (605) | 224 | None | 4.4 | 388 (176) |
| Lithium-ion | 26.5 (672) | 6.0 (153) | Open | 6.8 (172) | 5.4 (137) | 23.8 (605) | 57 | None | N/A | 28.7 (13) |
| | | | | | | | 114* | None | N/A | 57.3 (26)* |
| | | | | | | | 171** | None | N/A | 86 (39)** |

* Configured with lithium-ion 2-pack

** Configured with lithium-ion 3-pack

BATTERY & COMPARTMENT SPECIFICATIONS - MPB045VH - DEALER/CUSTOMER INSTALLED

| Battery type | Battery compartment dimensions | | | Battery dimensions - max | | | Capacity amp-hours | Battery connector | Max capacity | |
|-----------------------|--------------------------------|-----------|----------|--------------------------|-----------|------------|--------------------|-------------------|--------------|-----------|
| | Width | Length | Height | "X" | "Y" | "Z" | | | 6 Hr rate | Weight |
| | in. (mm) | in. (mm) | in. (mm) | in. (mm) | in. (mm) | in. (mm) | | | amp hr (kwh) | |
| GNB PalletPro battery | 26.5 (672) | 8.2 (208) | Open | 25.3 (643) | 7.6 (193) | 24.5 (623) | 195 | SB-175 Red | 4.5 | 400 (181) |
| Industrial battery | 26.5 (672) | 9.1 (231) | Open | 25.5 (648) | 8.7 (221) | 23.3 (591) | 300 | SB-175 Red | 5.9 | 560 (254) |

NOTES: a) Battery size is limited by rounded corners of battery compartment.

b) Cable lead position "B" c) 16" cable length d) Maximum cable gauge of 1/0

6" LITHIUM-ION BATTERY SPECIFICATIONS - MPB045VH

| | | | | | | | | | | |
|------------|-----|---------------------------------|------------|-------------|--------------------------------------|-------------|-------------|-------------|--|--|
| GENERAL | 1 | Manufacturer | Yale | | | | | | | |
| | 2 | Model designation | MPB045VH | | | | | | | |
| | 3 | Power type | 24 Volt | | | | | | | |
| | 4 | Operator type | Pedestrian | | | | | | | |
| | 5 | Rated capacity | lb. (kg) | 4500 (2041) | | | | | | |
| DIMENSIONS | 6a | Fork length | Nominal | in. (mm) | 36 (914) | 42 (1067) | 48 (1219) | 48 (1219) | | |
| | 6b | | Actual | in. (mm) | 34 (866) | 42.7 (1084) | 46 (1169) | 48 (1219) | | |
| | 10a | Wheelbase | Raised | in. (mm) | 38.5 (979) | 47.2 (1199) | 50.6 (1284) | 50.6 (1284) | | |
| | 10b | | Lowered | in. (mm) | 41.7 (1060) | 50.3 (1278) | 53.7 (1363) | 53.7 (1363) | | |
| | 11 | Overall length | | in. (mm) | 54.3 (1380) | 62.9 (1598) | 66.3 (1683) | 68.2 (1733) | | |
| | 13a | Outside turning radius (bumper) | Raised | in. (mm) | 46.5 (1180) | 55.0 (1398) | 58.4 (1483) | 58.4 (1483) | | |
| | | | Lowered | in. (mm) | 49.5 (1258) | 59.2 (1503) | 61.5 (1561) | 61.5 (1561) | | |
| | 14 | Right angle stack | Raised | in. (mm) | 57.4 (1459) | 60.4 (1533) | 68.3 (1734) | 68.3 (1734) | | |
| | 15 | Equal intersecting aisle | Raised | in. (mm) | 47.2 (1198) | 53.7 (1364) | 55.6 (1411) | 55.6 (1411) | | |
| | 22 | Chassis length | | in. (mm) | 20.2 (514) | 20.2 (514) | 20.2 (514) | 20.2 (514) | | |
| | 23 | Battery compartment | Standard | in. (mm) | 26.5 x 6.0 x OPEN (672 x 153 x OPEN) | | | | | |

FEATURES LIST - MPB045VH

| PERFORMANCE | STD | OPT | HANDLING | STD | OPT |
|---|------------|------------|--|------------|------------|
| 24 Volt AC traction controlled electrical system | | | Heavy duty pallet fork design | | |
| - Sealed 200A transistor traction controller | ● | | - 3.3" Lowered / 5.1" lift height / 8.4" overall raised height | | |
| - Sealed 240A transistor traction controller | | ● | - Heavy duty torsion bar linkage connection | ● | |
| - Vertically mounted AC traction motor | ● | | - Heavy duty long life lift linkage with lubrication fittings | | |
| - ADS (Auto Deceleration System) w/ regenerative braking | ● | | - "X" groove style greaseable pivot bushings | | |
| Three pre-programmed performance modes | ● | | - Hardened bolt retained flag linkage pins | | |
| Two operator selectable performance levels | ● | | - Flush pallet stop | | |
| Ramp hold with anti-roll back on grade | ● | | Pallet fork lengths | | |
| Creep speed mode selection with handle in full upright position | ● | | - 34" short flat tip - no taper | | ● |
| Power alternatives | | | - 42" short flat tip - no taper | | ● |
| - Wet cell battery power pack | | ● | - 46" short flat tip - no taper | ● | |
| - Absorbed Glass Mat (AGM) | | ● | - 48" standard tip | | ● |
| - Maintenance free battery power pack | | ● | Fork overall width | | |
| - Lithium-Ion advanced performance power system | | ● | - 26.4" (670mm) | ● | |
| - Three capacity amp hours options available 57, 114, and 171 | | ● | - 22" (560mm) | | ● |
| Yale Smart Slow Down™ | | ● | Load backrest | | |
| Yale Smart Lift™ | | ● | - 48" high bolt-on | | ● |
| CONSTRUCTION | STD | OPT | - 54" high bolt-on | | ● |
| Battery compartment | | | - 60" high bolt-on | | ● |
| - 26.5" x 8.2" x open | ● | | - 72" high bolt-on | | ● |
| - 26.5" x 9.1" x open | | ● | - 64.8" high moveable | | ● |
| - 26.5" x 6.0" x open | | ● | ERGONOMICS | STD | OPT |
| Soft touch keyed ignition switch | ● | | Control handle | ● | |
| IP65 sealed connectors | ● | | Cast aluminum control handle | | ● |
| Application/environmental construction | | | Delivery control handle | | ● |
| - Standard construction operating temperatures: +32°F to +120°F | ● | | OPERATION | STD | OPT |
| - Cooler/freezer package - operating temperatures: 0°F to +120°F | | ● | Multi-function display with hour meter | | |
| - SubZero freezer package - operating temperatures: 40°F to +120°F | | ● | - Battery state of charge | ● | |
| - Wash down package - operating temperatures: 0°F to +120°F | | ● | - Low battery lift interrupt | | |
| - Extreme corrosion /wash down package - operating temperatures: 0°F to +120°F | | ● | - Fault indicator | | |
| DRIVE | STD | OPT | Cowl mounted power disconnect switch | ● | |
| Heavy duty drive unit | ● | | Electro-mechanical park brake | ● | |
| Drive tire | | | Brake over-ride | ● | |
| - 10" x 4" press-on rubber | ● | | Electronic horn | ● | |
| - 10" x 4" press-on non-marking rubber | | ● | Battery charger | | ● |
| - 10" x 4" press-on smooth polyurethane | | ● | - 20 amp 110 volt on-board high frequency smart charger | | ● |
| - 10" x 4" molded-on smooth polyurethane | | ● | Load backrest mounted or magnetic battery mounted convenience tray | | ● |
| - 10" x 4" press-on red EZ polyurethane | | ● | Brake override drive / tow switch | | ● |
| - 10" x 4" molded-on NDIlthane | | ● | Self-adjusting audible alarm | | ● |
| Load wheels | | | APPEARANCE | STD | OPT |
| - 3.25" x 4.3" single polyurethane | ● | | One piece impact resistant power unit cover | ● | |
| - 3.25" x 4.3" single NDIlthane | | ● | ENERGY SYSTEM | STD | OPT |
| - Stainless steel greaseable or sealed bearings | | ● | Set for flooded cell | ● | |
| Stabilizers | | | Set for maintenance free | | ● |
| - Adjustable bolt-on stability tabs | | ● | Integrated lithium ion (SPED) | | ● |
| - Heavy duty quick adjust casters or sealed wheel or sealed wheel and pivot bearing | | ● | Yale Power Key | | ● |
| LIFT | STD | OPT | SUPPLEMENTAL | STD | OPT |
| Heavy duty lift pump and single hydraulic lift cylinder | ● | | Operating manual | ● | |
| Lift time-out at full lift height | ● | | 12 Months / unlimited hour manufacturer's warranty | ● | |
| | | | 36 Months / 6,000 hour powertrain warranty | ● | |
| | | | Lifetime frame warranty | ● | |

About Yale



Yale Lift Truck Technologies leverages over a century of material handling experience and substantial investment in innovation to bring the most advanced technology-driven lift truck solutions to market. The company offers a full line of award-winning lift trucks, including reach trucks, order pickers, turret trucks, pallet jacks and trucks, pallet stackers, tow tractors and counterbalanced forklifts, as well as powerful operator assist solutions, proven robotics and a wide range of power sources to help customers adapt to today's demanding supply chain. Yale and its independent dealer network support these solutions with comprehensive after-sales service, parts, financing and training.

Yale Lift Truck Technologies is a trading name of Hyster-Yale Asia-Pacific Pty Ltd., a wholly owned subsidiary of Hyster-Yale Materials Handling, Inc. (NYSE:HY) which is headquartered in Cleveland, Ohio and operates globally.

MATERIALS HANDLING FOR:

Third-party logistics (3PL)

Auto parts distribution

Beverage

Cold & frozen foods

Food distribution

Food processing

Furniture & furnishings

Government

Health & pharma


Home centers & durables

Retail & e-commerce

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