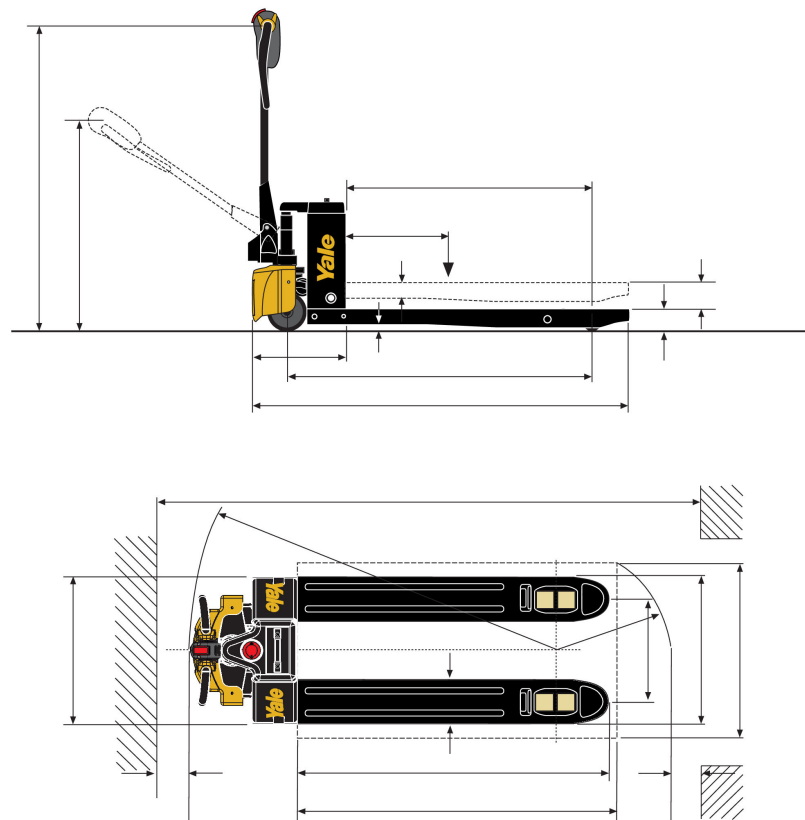




# MPC33-44 SERIES

## PRIMEMATCH PEDESTRIAN PALLET TRUCK TECHNICAL SPECIFICATIONS



Specifications Table

| GENERAL         | 1.2    | MODEL DESIGNATION                                     |       |       | MPC33                  | MPC44                  |
|-----------------|--------|-------------------------------------------------------|-------|-------|------------------------|------------------------|
|                 | 1.1    | Manufacturer                                          |       |       | YALE                   | YALE                   |
|                 | 1.3    | Drive type                                            |       |       | Full-Electric          | Full-Electric          |
|                 | 1.4    | Operator type                                         |       |       | Pedestrian             | Pedestrian             |
|                 | 1.5    | Rated capacity/rated load                             | Q     | lbs   | 3300                   | 4400                   |
|                 | 1.6    | Load center distance                                  | c     | in    | 23.6                   | 23.6                   |
|                 | 1.9    | Wheelbase                                             | y     | in    | 47/50                  | 47/50                  |
| Weight          | 2.1    | Service weight including battery                      |       | lbs   | 257/271                | 262/276                |
| Wheels          | 3.1    | Tires, front/rear                                     |       |       | PU (Polyurethane)      | PU (Polyurethane)      |
|                 | 3.2    | Tires size, front                                     |       | in    | Ø5.5*2.2               | Ø5.5*2.2               |
|                 | 3.3    | Tires size, rear                                      |       | in    | Single wheel: Ø3.1*3.7 | Single wheel: Ø3.1*3.7 |
|                 | 3.3    | Tires size, rear                                      |       | in    | Double wheel: Ø3.1*2.8 | Double wheel: Ø3.1*2.8 |
|                 | 3.5    | Number of wheels, front/rear (X = driven)             |       |       | 1x+2/4                 | 1x+2/4                 |
|                 | 3.7    | Tread, rear                                           | b11   | in    | 15.1/20.5              | 15.1/20.5              |
| Dimensions      | 4.4    | Lift                                                  | h3    | in    | 4.5                    | 4.5                    |
|                 | 4.9    | Height drawbar in driving position min./max.          | h14   | in    | 32.3/45.3              | 32.3/45.3              |
|                 | 4.15   | Height, fork lowered                                  | h13   | in    | 3.2±0.08               | 3.2±0.08               |
|                 | 4.19   | Overall length                                        | l1    | in    | 61/64                  | 61/64                  |
|                 | 4.20   | Length to face of forks                               | l2    | in    | 45/48                  | 45/48                  |
|                 | 4.21   | Overall width (single / wide / dual)                  | b1    | in    | 22/27                  | 22/27                  |
|                 | 4.22   | Fork dimensions (Height*width*length)                 | s/e/l | in    | 45/48                  | 45/48                  |
|                 | 4.25   | Distance between fork-arms                            | b5    | in    | 22/27                  | 22/27                  |
|                 | 4.32   | Ground clearance, centre of wheelbase                 | m2    | in    | 0.87/5.39 or 0.94/5.47 | 0.87/5.39 or 0.94/5.47 |
|                 | 4.34.1 | Aisle width for pallets 1000 × 1200 crossways         | Ast   | in    | 94                     | 94                     |
|                 | 4.34.2 | Aisle width for pallets 800 × 1200 lengthways         | Ast   | in    | 89                     | 89                     |
|                 | 4.35   | Turning radius                                        | Wa    | in    | 53.3/56                | 53.3/56                |
| Performance     | 5.1    | Travel speed, laden/unladen                           |       | mph   | 2.5/2.7                | 2.5/2.7                |
|                 | 5.1.1  | Travel speed, laden/unladen, backwards                |       | mph   | 2.5/3.1                | 2.5/3.1                |
|                 | 5.2    | Lift speed, laden/unladen                             |       | ft/s  | 0.076/0.127            | 0.074/0.108            |
|                 | 5.3    | Lowering speed, laden/unladen                         |       | ft/s  | 0.128/0.092            | 0.134/0.09             |
|                 | 5.7    | Gradeability, laden/unladen                           |       | %     | 6%/20%                 | 6%/20%                 |
|                 | 5.8    | Max. gradeability - 1.6 km/h, with / without load     |       | %     | 6%/20%                 | 6%/20%                 |
|                 | 5.10   | Traveling brake                                       |       |       | Regenerate             | Regenerate             |
|                 | 5.10   | Brake                                                 |       |       | Electromagnetic        | Electromagnetic        |
|                 | 6.1    | Drive motor, S2 60 min rating                         |       | kW    | DC Brushless 0.75Kw    | DC Brushless1.0Kw      |
|                 | 6.2    | Lift motor S3 15% rating                              |       | kW    | DC 0.8KW               | DC 0.8KW               |
|                 | 6.3    | Battery according to DIN 43531/35/36 A,B,C, no        |       |       | No                     | No                     |
|                 | 6.4    | Battery voltage / nominal capacity K5                 |       | V/Ah  | 48V/10Ah / 48V/15Ah    | 48V/10Ah / 48V/15Ah    |
|                 | 6.5    | Battery weight                                        |       | lbs   | 9.9/13                 | 9.9/13                 |
|                 | 6.6    | Energy consumption acc. to VDI cycle                  |       | kWh/h | 0.42                   | 0.42                   |
| Additional Data | 8.1    | Type of drive unit                                    |       |       | Electric               | Electric               |
|                 | 10.7   | Sound level at the driver's ear according to EN 12053 |       | dB    | < 70dB                 | < 70dB                 |

Available Options

| DESCRIPTION                                                     | STANDARD | OPTIONAL |
|-----------------------------------------------------------------|----------|----------|
| CONSTRUCTION                                                    | STANDARD | OPTIONAL |
| Metal Key Switch Start                                          |          | X        |
| Keyless Start                                                   | X        |          |
| Remote Control                                                  |          | X        |
| Pin Code on tiller                                              |          | X        |
| Galvanization                                                   |          | X        |
| LIFT OPTIONS - FRONT END EQUIPMENT                              | STANDARD | OPTIONAL |
| 1150mm x 550mm / 21.7" x 45.3" Welded Type - Standard Tip Forks | X        |          |
| 800mm x 550mm / 21.7" x 32" Welded Type - Standard Tip Forks    |          | X        |
| 1150mm x 685mm / 27" x 45.3" Welded Type - Standard Tip Forks   |          | X        |
| 1220mm x 685mm / 27" x 48" Welded Type - Standard Tip Forks     |          | X        |
| 1000mm x 685mm / 27" x 39" Welded Type - Standard Tip Forks     |          | X        |
| 1000mm x 550mm / 39" x 21.7" Welded Type - Standard Tip Forks   |          | X        |
| Load Back Rest                                                  |          | X        |
| Retractable Cargo Belt                                          |          | X        |
| CHASSIS - DRIVE & STEER TIRES                                   | STANDARD | OPTIONAL |
| 80 x 70mm / 3.14" x 2.7" Tandem Polyurethane Load Wheels        |          | X        |
| 80 x 93mm / 3.14" x 3.66" Single Polyurethane Load Wheel        | X        |          |
| Cast Wheels                                                     |          | X        |



Yale Lift Truck Technologies

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

[yale.com](https://www.yale.com)

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