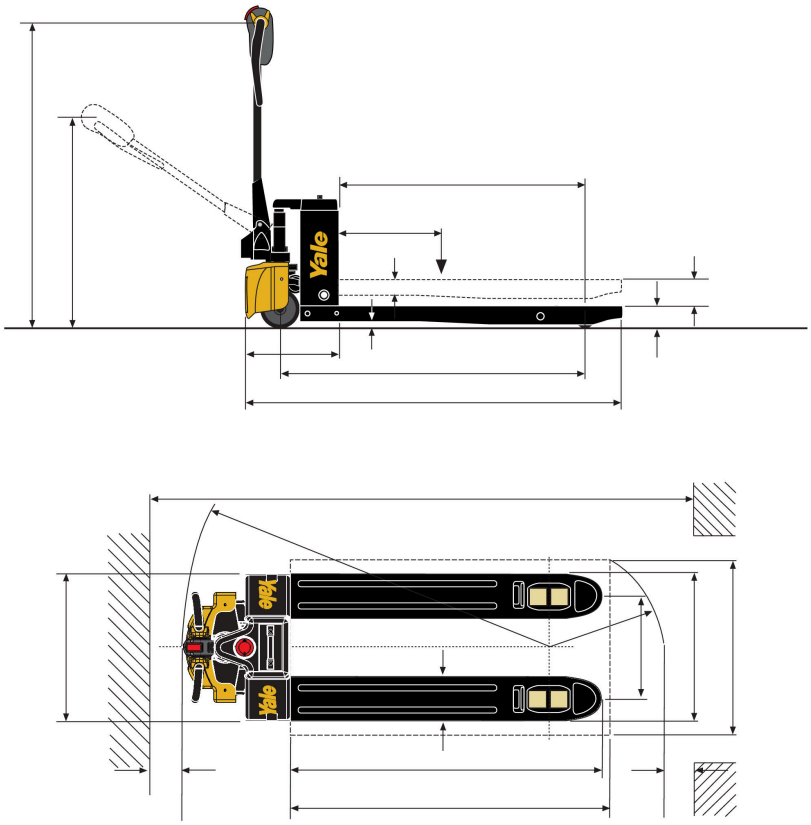



# MPC20 SERIES

## PEDESTRIAN PALLET TRUCK

### TECHNICAL SPECIFICATIONS

## TRUCK DIAGRAM



# TECHNICAL DATA

## Specifications Table

| GENERAL | 1.2 | MODEL DESIGNATION | | | MPC20 |
|---|---|---|---|---|---|
| | 1.1 | Manufacturer | | | YALE |
| | 1.3 | Drive type | | | Full-Electric |
| | 1.4 | Operator type | | | Pedestrian |
| | 1.5 | Rated capacity/rated load | Q | t | 2.0 |
| | 1.6 | Load centre distance | c | mm | 600 |
| | 1.9 | Wheelbase | y | mm | 1197/1267 |
| **Weight** | 2.1 | Service weight including battery | | kg | 119/125.5 |
| **Wheels** | 3.1 | Tyres, front/rear | | | PU (Polyurethane) |
| | 3.2 | Tyre size, front | | mm | Ø140*55 |
| | 3.3 | Tyre size, rear | | mm | Single wheel: Ø80*93 |
| | 3.3 | Tyre size, rear | | mm | Double wheel: Ø80*70 |
| | 3.5 | Number of wheels, front/rear (X = driven) | | | 1x+2/4 |
| | 3.7 | Tread, rear | b11 | mm | 385/520 |
| **Dimensions** | 4.4 | Lift | h3 | mm | 115 |
| | 4.9 | Height drawbar in driving position min./max. | h14 | mm | 820/1150 |
| | 4.15 | Height, fork lowered | h13 | mm | 82±2 |
| | 4.19 | Overall length | l1 | mm | 1552/1622 |
| | 4.20 | Length to face of forks | l2 | mm | 1150/1220 |
| | 4.21 | Overall width (single / wide / dual) | b1 | mm | 550/685 |
| | 4.22 | Fork dimensions (Height*width*length) | s/e/l | mm | 58/160/1150 or 1220 |
| | 4.25 | Distance between fork-arms | b5 | mm | 550/685 |
| | 4.32 | Ground clearance, centre of wheelbase | m2 | mm | 22/137 or 24/13 |
| | 4.34.1 | Aisle width for pallets 1000 × 1200 crossways | Ast | mm | 2376 |
| | 4.34.2 | Aisle width for pallets 800 × 1200 lengthways | Ast | mm | 2257 |
| | 4.35 | Turning radius | Wa | mm | 1353/1426 |
| **Performance** | 5.1 | Travel speed, laden/unladen | | km/h | 4.0/4.5 |
| | 5.1.1 | Travel speed, laden/unladen, backwards | | km/h | 4.0/5.0 |
| | 5.2 | Lift speed, laden/unladen | | mm/s | 22.5/32.8 |
| | 5.3 | Lowering speed, laden/unladen | | mm/s | 40.9/27.3 |
| | 5.7 | Gradeability, laden/unladen | | % | 6%/20% |
| | 5.8 | Max. gradeability - 1.6 km/h, with / without load | | % | 6%/20% |
| | 5.10 | Traveling brake | | | Regenerate |
| | | Brake | | | Electromagnetic |
| | 6.1 | Drive motor, S2 60 min rating | | kW | DC Brushless1.0Kw |
| | 6.2 | Lift motor S3 15% rating | | kW | DC 0.8KW |
| | 6.3 | Battery according to DIN 43531/35/36 A,B,C, no | | | No |
| | 6.4 | Battery voltage / nominal capacity K5 | | V/Ah | 48V/10Ah/48V/15Ah |
| | 6.5 | Battery weight | | kg | 4.5/5.9 |
| | 6.6 | Energy consumption acc. to VDI cycle | | kWh/h | 0.42 |
| **Additional Data** | 8.1 | Type of drive unit | | | Electric |
| | 10.7 | Sound level at the driver's ear according to EN 12053 | | dB | < 70dB |

## OPTIONS TABLE

### 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 |

## COMPANY INFORMATION

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