

Technical sheet :

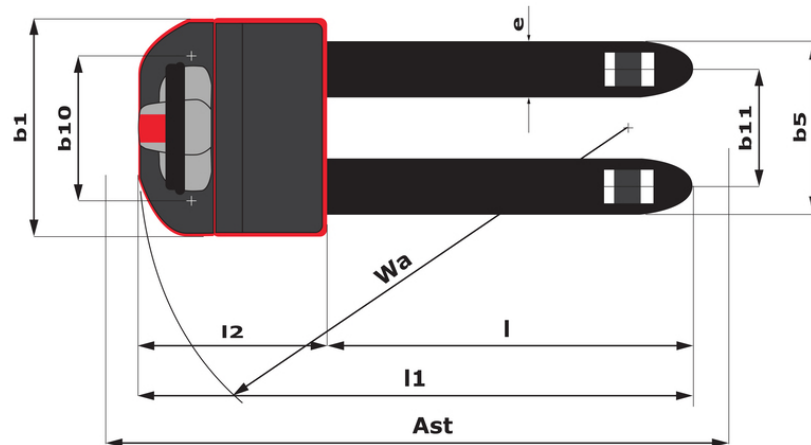
# EP 18

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| Technical characteristics |                                                                 |           | Metric                   | Imperial              |
|---------------------------|-----------------------------------------------------------------|-----------|--------------------------|-----------------------|
| 1.1                       | Manufacturer                                                    |           | Manitou                  | Manitou               |
| 1.2                       | Model Name                                                      |           | EP 18                    | EP 18                 |
| 1.3                       | Power source                                                    |           | Electrical               | Electrical            |
| 1.4                       | Operator type                                                   |           | Pedestrian               | Pedestrian            |
| 1.5                       | Max. capacity                                                   | Q         | 1800 kg                  | 3968 lb               |
| 1.6                       | Load center of gravity                                          | c         | 600 mm                   | 24 in                 |
| 1.8                       | Load distance, centre of drive axle to fork                     | x         | 953 mm                   | 38 in                 |
| 1.9                       | Wheelbase                                                       | y         | 1372 mm                  | 54 in                 |
| Weight                    |                                                                 |           |                          |                       |
| 2.1                       | Service weight                                                  |           | 480 kg                   | 1058 lb               |
| 2.2                       | Weight on front axle (laden) / rear axle (laden)                |           | 1002 kg / 1278 kg        | 2209 lb / 2818 lb     |
| 2.3                       | Weight on front axle (Unladen) / rear axle (Unladen)            |           | 336 kg / 144 kg          | 741 lb / 317 lb       |
| Wheels                    |                                                                 |           |                          |                       |
| 3.1                       | Tires type                                                      |           | Bandage                  | Bandage               |
| 3.2                       | Dimensions of front wheels                                      |           | 230 x 75                 | 230 x 75              |
| 3.3                       | Dimensions of rear wheels                                       |           | 2 x (82 x 100)           | 2 x (82 x 100)        |
| 3.4                       | Additional wheels (dimensions)                                  |           | 2 x (100 x 40)           | 2 x (100 x 40)        |
| 3.5.2                     | Number of drive wheels / front wheels / rear wheels             |           | 1x + 2 / 2               | 1x + 2 / 2            |
| 3.6                       | Front wheel gauge                                               | b10       | 435 mm                   | 17 in                 |
| 3.7                       | Rear wheel gauge                                                | b11       | 366 mm                   | 14 in                 |
| Dimensions                |                                                                 |           |                          |                       |
| 4.15                      | Fork height in low position                                     | h13       | 85 mm                    | 3 in                  |
| 4.19                      | Overall length                                                  | l1        | 1739 mm                  | 68 in                 |
| 4.20                      | Length to face of forks                                         | l2        | 589 mm                   | 23 in                 |
| 4.21                      | Overall width - Single wheels                                   | b1        | 680 mm                   | 27 in                 |
| 4.21                      | Overall width                                                   | b1        | 680 mm                   | 27 in                 |
| 4.22                      | Forks section / width / length                                  | s / e / l | 45 mm x 175 mm x 1150 mm | 2 in x 7 in x 45 in   |
| 4.25                      | Fork spread                                                     | b5        | 540 mm                   | 21 in                 |
| 4.32                      | Ground clearance at centre of wheelbase                         | m2        | 35 mm                    | 1 in                  |
| 4.34                      | Aisle width for 800 x 1200 pallet lengthways                    | Ast       | 1939 mm                  | 76 in                 |
| 4.35                      | Turning radius                                                  | Wa        | 1544 mm                  | 61 in                 |
| 4.4                       | Mast lift                                                       | h3        | 125 mm                   | 5 in                  |
| 4.9                       | Height tiller up max.* / max.                                   | h14 / h14 | 1336 mm / 1336 mm        | 53 in / 53 in         |
| Performances              |                                                                 |           |                          |                       |
| 5.1                       | Travel speed (laden / unladen)                                  |           | 5.80 km/h / 6 km/h       | 4 mph / 4 mph         |
| 5.2                       | Lifting speed (laden / unladen)                                 |           | 0.03 m/s / 0.03 m/s      | 0.10 ft/s / 0.12 ft/s |
| 5.3                       | Lowering speed (laden / unladen)                                |           | 0.04 m/s / 0.02 m/s      | 0.16 ft/s / 0.09 ft/s |
| 5.7                       | Gradeability (laden / unladen)                                  |           | 10 % / 25 %              | 10 % / 25 %           |
| 5.10                      | Service brake                                                   |           | Electro magnetic         | Electro magnetic      |
| 5.11                      | Parking brake                                                   |           | Handle Release           | Handle Release        |
| Engine                    |                                                                 |           |                          |                       |
| 6.1                       | Drive motor rating S2 60 min                                    |           | 1.20 kW                  | 1.20 kW               |
| 6.2                       | Lift motor rating at S3 15%                                     |           | 1 kW                     | 1 kW                  |
| 6.3                       | Battery according to DIN 43531/35/36 A, B, C                    |           | Traction                 | Traction              |
| 6.4                       | Battery voltage / capacity                                      |           | 24 V / 180 Ah            | 24 V / 180 Ah         |
| 6.5                       | Battery weight (+/- 5%)                                         |           | 180 kg                   | 397 lb                |
| Miscellaneous             |                                                                 |           |                          |                       |
| 8.1                       | Type of drive control                                           |           | AC                       | AC                    |
| 8.4                       | Measured/guaranteed mean noise level at the ear of the operator |           | < 70 dB                  | < 70 dB               |

## EP 18 - Dimensional drawing



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