

# F4

## ELECTRIC PALLET TRUCK 1.5T

 1500 kg  105 mm  24 V Li-Ion



The F4 is ideal for a wide range of environments, from light retail usage to intensive logistics operations. Its compact size (400 mm fork face length) and reduced service weight make it highly maneuverable in tight spaces, while its dual-battery slot design ensures continuous operation for long shifts. The optional stabilizing wheels enhance safety when handling large or heavy loads, making the F4 a dependable solution for warehouses, retail stores, and transport hubs.

| SPECIFICATION                               | REF                            | UNIT | VALUE       |
|---------------------------------------------|--------------------------------|------|-------------|
| Manufacturer                                |                                |      | EP          |
| Model designation                           |                                |      | F4          |
| Battery voltage                             |                                | V    | 24          |
| Rated capacity                              | Q                              | kg   | 1500        |
| Load centre distance                        | c                              | mm   | 600         |
| Service weight                              |                                | kg   | 120         |
| Lift                                        | h <sub>3</sub>                 | mm   | 105         |
| Overall length                              | l <sub>1</sub>                 | mm   | 1550        |
| Overall width                               | b <sub>1</sub> /b <sub>2</sub> | mm   | 590 (695)   |
| Length to face of forks                     | l <sub>2</sub>                 | mm   | 400         |
| Fork dimensions                             | s/e/l                          | mm   | 55/150/1150 |
| Turning radius                              | Wa                             | mm   | 1360        |
| Drive                                       |                                |      | Electric    |
| Operator type                               |                                |      | Pedestrian  |
| Load distance, centre of drive axle to fork | x                              | mm   | 950         |
| Wheelbase                                   | y                              | mm   | 1180        |

# Features

## Flexible battery system

The F4 supports up to two removable 24V/20Ah Li-ion batteries, providing extended runtime for intensive applications or opportunity charging flexibility.



Battery option

## Compact & lightweight

With a short 400 mm fork face length and a low service weight of only 120 kg, the F4 is highly maneuverable in narrow aisles and confined spaces.

## Optional stabilizing wheels

To safely handle heavier or uneven loads, the F4 can be equipped with stabilizing wheels, available from the factory or as retrofit.



Stablizing wheel option

## Customisable forks

Available in various lengths and widths, the F4 adapts to different pallet standards and customer-specific applications.

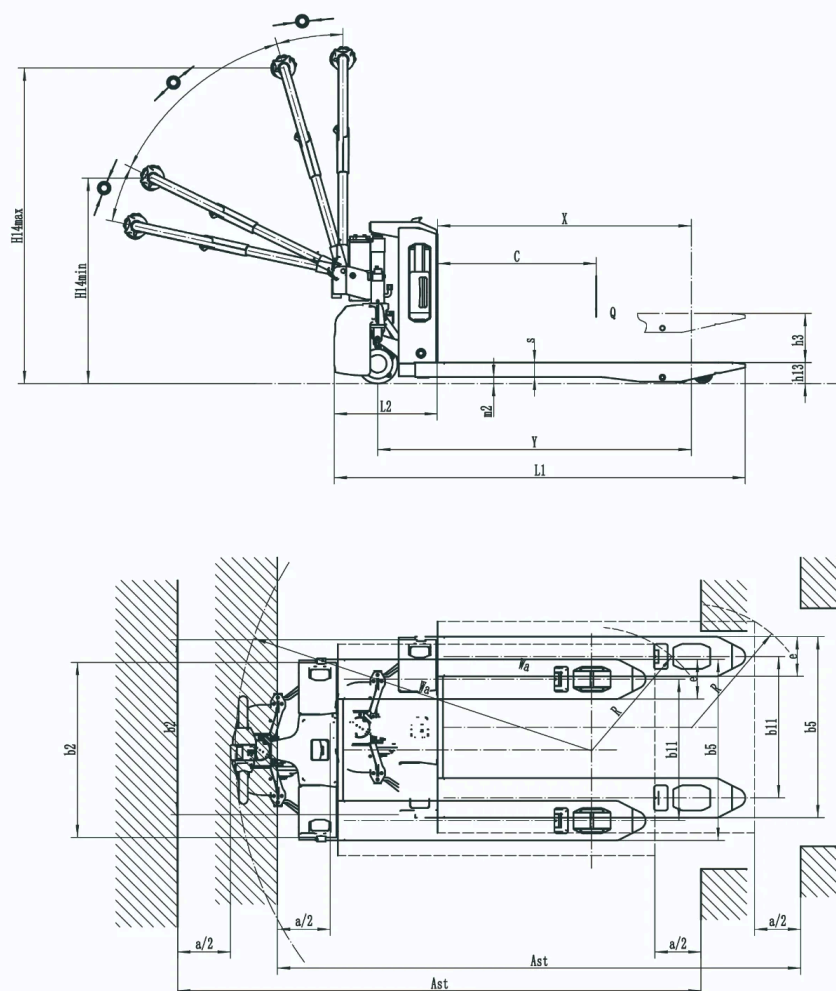
# VDI Chart

|     | SPECIFICATION     | REF | UNIT | VALUE      |
|-----|-------------------|-----|------|------------|
| 1.1 | Manufacturer      |     |      | EP         |
| 1.2 | Model designation |     |      | F4         |
| 1.3 | Drive             |     |      | Electric   |
| 1.4 | Operator type     |     |      | Pedestrian |

|        | SPECIFICATION                                 | REF                            | UNIT | VALUE           |
|--------|-----------------------------------------------|--------------------------------|------|-----------------|
| 1.5    | Rated capacity                                | Q                              | kg   | 1500            |
| 1.6    | Load centre distance                          | c                              | mm   | 600             |
| 1.8    | Load distance, centre of drive axle to fork   | x                              | mm   | 950             |
| 1.9    | Wheelbase                                     | y                              | mm   | 1180            |
| 2.1    | Service weight                                |                                | kg   | 120             |
| 2.2    | Axle loading, laden front/rear                |                                | kg   | 480/1140        |
| 2.3    | Axle loading, unladen front/rear              |                                | kg   | 90/30           |
| 3.1    | Tyres                                         |                                |      | Polyurethane    |
| 3.2    | Tyre size, front                              |                                | mm   | 210x70 mm       |
| 3.3    | Tyre size, rear                               |                                | mm   | 80x60 mm        |
| 3.4    | Additional wheels (castor wheels)             |                                | mm   | Φ 74x30         |
| 3.5    | Wheels, number front/rear (x=drive wheels)    |                                |      | 1x —/4          |
| 3.7    | Tread width, rear                             | b <sub>11</sub>                | mm   | 410 (535)       |
| 4.4    | Lift                                          | h <sub>3</sub>                 | mm   | 105             |
| 4.9    | Height drawbar in driving position min./max.  | h <sub>14</sub>                | mm   | 645/1145        |
| 4.15   | Height, lowered                               | h <sub>13</sub>                | mm   | 82              |
| 4.19   | Overall length                                | l <sub>1</sub>                 | mm   | 1550            |
| 4.20   | Length to face of forks                       | l <sub>2</sub>                 | mm   | 400             |
| 4.21   | Overall width                                 | b <sub>1</sub> /b <sub>2</sub> | mm   | 590 (695)       |
| 4.22   | Fork dimensions                               | s/e/l                          | mm   | 55/150/1150     |
| 4.24   | Fork carriage width                           |                                | mm   | 560 (685)       |
| 4.32   | Ground clearance, centre of wheelbase         | m <sub>2</sub>                 | mm   | 30              |
| 4.34.1 | Aisle width for pallets 1000×1200 crossways   | Ast                            | mm   | 2160            |
| 4.34.2 | Aisle width for pallets 800 × 1200 lengthways | Ast                            | mm   | 2025            |
| 4.35   | Turning radius                                | wa                             | mm   | 1360            |
| 5.1    | Travel speed, laden/unladen                   |                                | km/h | 4/4.5           |
| 5.2    | Lift speed, laden/unladen                     |                                | m/s  | 0.017/0.020     |
| 5.3    | Lowering speed, laden/unladen                 |                                | m/s  | 0.057/0.036     |
| 5.8    | Max. gradeability, laden/unladen              |                                | %    | 6/16            |
| 5.10   | Service brake                                 |                                |      | Electromagnetic |
| 6.1    | Drive motor rating S2 60 min                  |                                | kW   | 0.75            |
| 6.2    | Lift motor rating at S3 15%                   |                                | kW   | 0.5             |
| 6.4.1  | Battery voltage                               |                                | V    | 24              |
| 6.4.2  | Battery nominal capacity K5                   |                                | Ah   | 20              |

| SPECIFICATION |                                           | REF | UNIT  | VALUE      |
|---------------|-------------------------------------------|-----|-------|------------|
| 6.4.3         | Battery type                              |     |       | Li-Ion     |
| 6.5           | Battery weight                            |     | kg    | 5          |
| 10.5          | Steering design                           |     |       | Mechanical |
| 10.7          | Sound pressure level at the driver's seat |     | dB(A) | 74         |
| 15.1          | Charger output current                    |     | A     | 5          |

Subject to modification of specifications and designs without prior notice as part of continuous product improvement. Images and technical data shown may include optional features and are provided for reference only. All dimensions are subject to standard manufacturing tolerances.



| ITEM           | OPTIONS (optional items marked in yellow)                                                                                                              |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fork dimension | 1150×560   800×560   900×560   1000×560   1220×560   1350×560   1500×560  <br>800×685   900×685   1000×685   1150×685   1220×685   1350×685   1500×685 |

| ITEM                 | OPTIONS (optional items marked in yellow)                  |
|----------------------|------------------------------------------------------------|
| Fork lowered height  | 82                                                         |
| Load wheel type      | PU                                                         |
| Load wheel material  | PU                                                         |
| Drive wheel material | PU                                                         |
| Battery capacity     | 20AHx1   20AHx2   20AHx3   20AHx4                          |
| Charger              | 24V-5A external   24V-10A external   24V-4A external DC-DC |
| Battery indicator    | without time                                               |
| Handle head type     | Hands small handle head   ET Hands big handle head         |
| Castor wheels        | No   Yes and not customize                                 |
| Buzzer               | Yes and not customised                                     |
| Turtle speed         | Yes and not customized                                     |
| Drive assembly       | Yes and not customized                                     |