



# EPT12-F3H

## HIGH LIFT ELECTRIC PALLET TRUCK 1.2T

 1200 kg    990 mm    24 V Li-Ion



The EPT12-F3H is ideal for environments where pallets need transporting and raising to an ergonomic working height (up to 990mm). It can serve as a height-adjustable workstation to feed assembly lines. In warehousing and logistics, it supports low-level order picking, packing, labeling, and sorting tasks, reducing frequent lifting and bending. Its compact size and the full electric functions ensure efficiency and flexibility in diverse applications.

| SPECIFICATION           | REF                            | UNIT | VALUE       |
|-------------------------|--------------------------------|------|-------------|
| Manufacturer            |                                |      | EP          |
| Model designation       |                                |      | EPT12-F3H   |
| Battery voltage         |                                | V    | 24          |
| Rated capacity          | Q                              | kg   | 1200        |
| Load centre distance    | c                              | mm   | 600         |
| Service weight          |                                | kg   | 329         |
| Height, mast lowered    | h <sub>1</sub>                 | mm   | 1635        |
| Lift                    | h <sub>3</sub>                 | mm   | 905         |
| Height, mast extended   | h <sub>4</sub>                 | mm   | 1635        |
| Overall length          | l <sub>1</sub>                 | mm   | 1625        |
| Overall width           | b <sub>1</sub> /b <sub>2</sub> | mm   | 616/685     |
| Length to face of forks | l <sub>2</sub>                 | mm   | 525         |
| Fork dimensions         | s/e/l                          | mm   | 60*150*1150 |
| Turning radius          | Wa                             | mm   | 1400        |
| Drive                   |                                |      | Electric    |
| Operator type           |                                |      | Pedestrian  |

# Features

## Versatile transport and low-level picking

The EPT12-F3H can be used as an electric pallet truck, a lift table, provisioning table or workbench. The usage is similar to a scissor lift pallet truck, and the electric driving increase the productivity and the safety inside the facility.

## Ergonomics for efficient daily operations

By effortless transporting and positioning pallets up to 990mm, the EPT12-F3H supports increasing productivity and ergonomic work processes and reduces strain during repetitive lifting and positioning tasks, helping prevent fatigue. In addition, it allows loaded goods to be moved thanks to its electric drive for convenient usability.

## Removable 24V/30Ah Li-ion battery

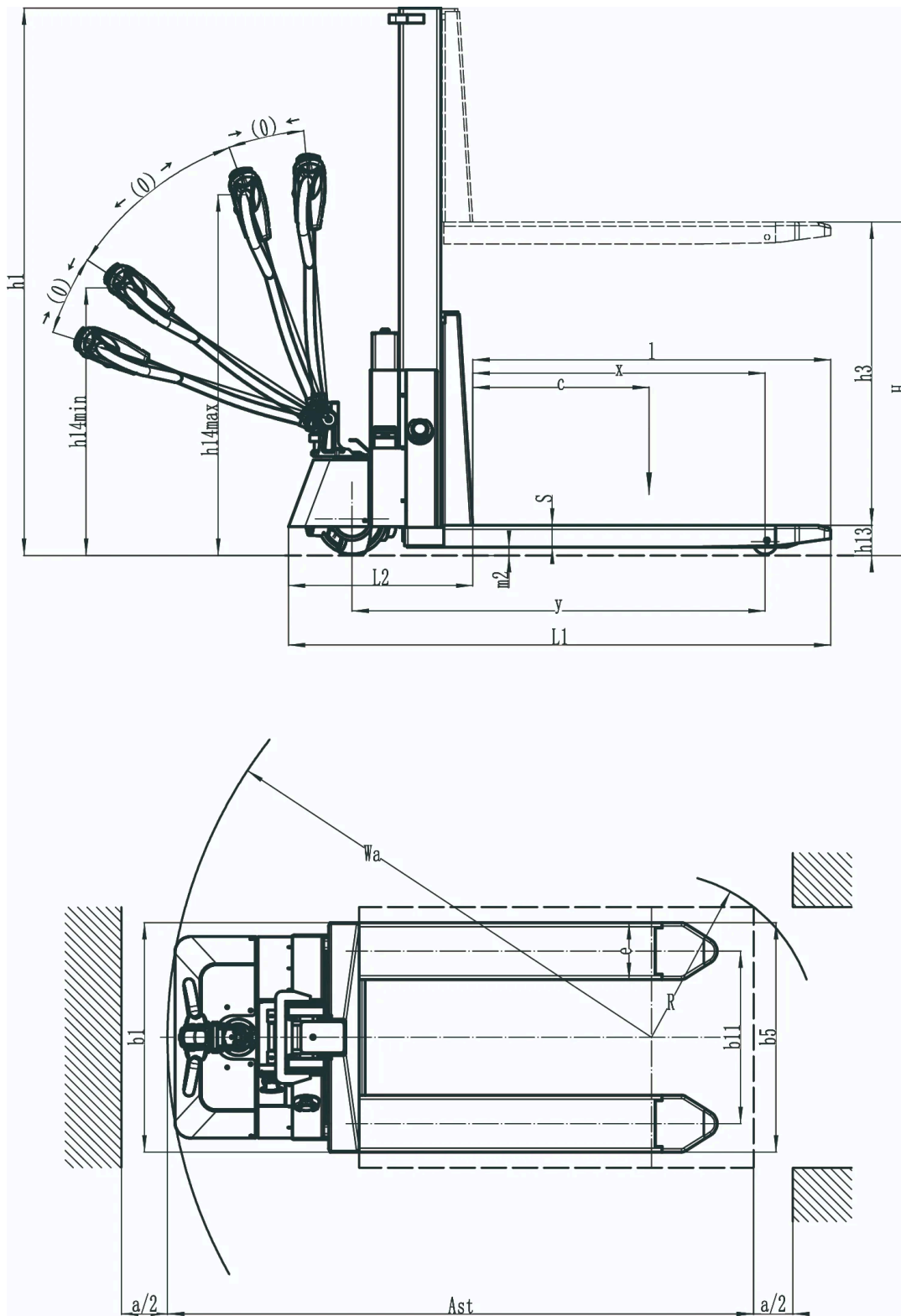
With a standard removable 24V/30Ah Li-ion battery, EPT12-F3H offers opportunity charging and quick swap, ready for long and continuous operation.

# VDI Chart

|     | SPECIFICATION                               | REF | UNIT | VALUE        |
|-----|---------------------------------------------|-----|------|--------------|
| 1.1 | Manufacturer                                |     |      | EP           |
| 1.2 | Model designation                           |     |      | EPT12-F3H    |
| 1.3 | Drive                                       |     |      | Electric     |
| 1.4 | Operator type                               |     |      | Pedestrian   |
| 1.5 | Rated capacity                              | Q   | kg   | 1200         |
| 1.6 | Load centre distance                        | c   | mm   | 600          |
| 1.8 | Load distance, centre of drive axle to fork | x   | mm   | 874          |
| 1.9 | Wheelbase                                   | y   | mm   | 1235         |
| 2.1 | Service weight                              |     | kg   | 329          |
| 2.2 | Axle loading, laden front/rear              |     | kg   | 532/997      |
| 2.3 | Axle loading, unladen front/rear            |     | kg   | 235/94       |
| 3.1 | Tyres                                       |     |      | Polyurethane |
| 3.2 | Tyre size, front                            |     | mm   | 210*70       |
| 3.3 | Tyre size, rear                             |     | mm   | 74*88        |
| 3.4 | Additional wheels (castor wheels)           |     | mm   | 74*30        |
| 3.5 | Wheels, number front/rear (x=drive wheels)  |     |      | 1x , 2/2     |

| SPECIFICATION |                                               | REF                            | UNIT  | VALUE                                 |
|---------------|-----------------------------------------------|--------------------------------|-------|---------------------------------------|
| 3.7           | Tread width, rear                             | b <sub>11</sub>                | mm    | 390/515                               |
| 4.2           | Height, mast lowered                          | h <sub>1</sub>                 | mm    | 1635                                  |
| 4.2.1         | Overall height                                |                                | mm    | 1635                                  |
| 4.3           | Free lift                                     | h <sub>2</sub>                 | mm    | 990                                   |
| 4.4           | Lift                                          | h <sub>3</sub>                 | mm    | 905                                   |
| 4.5           | Height, mast extended                         | h <sub>4</sub>                 | mm    | 1635                                  |
| 4.9           | Height drawbar in driving position min./max.  | h <sub>14</sub>                | mm    | 760/1140                              |
| 4.15          | Height, lowered                               | h <sub>13</sub>                | mm    | 85                                    |
| 4.19          | Overall length                                | l <sub>1</sub>                 | mm    | 1625                                  |
| 4.20          | Length to face of forks                       | l <sub>2</sub>                 | mm    | 525                                   |
| 4.21          | Overall width                                 | b <sub>1</sub> /b <sub>2</sub> | mm    | 616/685                               |
| 4.22          | Fork dimensions                               | s/e/l                          | mm    | 60*150*1150                           |
| 4.25          | Distance between fork-arms                    | b <sub>5</sub>                 | 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    | 2263                                  |
| 4.34.2        | Aisle width for pallets 800 × 1200 lengthways | Ast                            | mm    | 2164                                  |
| 4.35          | Turning radius                                | wa                             | mm    | 1400                                  |
| 5.1           | Travel speed, laden/unladen                   |                                | km/h  | 3.7/4.0                               |
| 5.2           | Lift speed, laden/unladen                     |                                | m/s   | Level1 0.031/0.047 Level2 0.049/0.094 |
| 5.3           | Lowering speed, laden/unladen                 |                                | m/s   | Level1 0.067/0.035 Level2 0.156/0.109 |
| 5.8           | Max. gradeability, laden/unladen              |                                | %     | 5/8                                   |
| 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    | 1.2                                   |
| 6.4.1         | Battery voltage                               |                                | V     | 24                                    |
| 6.4.2         | Battery nominal capacity K5                   |                                | Ah    | 30                                    |
| 6.4.3         | Battery type                                  |                                |       | Li-Ion                                |
| 6.5           | Battery weight                                |                                | kg    | 7                                     |
| 8.1           | Type of drive unit                            |                                |       | DC                                    |
| 10.5          | Steering design                               |                                |       | Mechanical                            |
| 10.7          | Sound pressure level at the driver's seat     |                                | dB(A) | 74                                    |
| 15.1          | Charger output current                        |                                | A     | 10                                    |

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.



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| ITEM           | OPTIONS (optional items marked in yellow) |
|----------------|-------------------------------------------|
| Fork dimension | 560*1150   685*1150                       |

| ITEM                       | OPTIONS (optional items marked in yellow) |
|----------------------------|-------------------------------------------|
| Load wheel type            | Single                                    |
| Load wheel material        | PU                                        |
| Drive wheel material       | PU                                        |
| Battery capacity           | 24V/30Ah Li-ion                           |
| Charger                    | 24V-10A external charger                  |
| Battery indicator          | Without hourmeter                         |
| Handle head type           | EP small tiller head                      |
| Castor wheels              | Yes and not customized                    |
| Buzzer                     | Yes and not customized                    |
| Vertical handler working   | Yes and not customized                    |
| Drive cover off the ground | 35                                        |