

# EPL154

## ELECTRIC PALLET TRUCK 1.5T

 1500 kg    115 mm    24 V Li-Ion



The EPL154 is ideal for warehouses, retail, and logistics centers requiring stability and maneuverability in narrow spaces. Its small chassis (400 mm fork face length) and lightweight design (160 kg) make it perfect for confined environments, while the stabilizing wheels allow safe load handling even on uneven surfaces. With optional fork dimensions and charger configurations, the EPL154 adapts to various working conditions.

| SPECIFICATION                               | REF                            | UNIT | VALUE         |
|---------------------------------------------|--------------------------------|------|---------------|
| Manufacturer                                |                                |      | EP            |
| Model designation                           |                                |      | EPL154        |
| Battery voltage                             |                                | V    | 24            |
| Rated capacity                              | Q                              | kg   | 1500          |
| Load centre distance                        | c                              | mm   | 600           |
| Service weight                              |                                | kg   | 160           |
| Lift                                        | h <sub>3</sub>                 | mm   | 115           |
| Overall length                              | l <sub>1</sub>                 | mm   | 1550          |
| Overall width                               | b <sub>1</sub> /b <sub>2</sub> | mm   | 610 (695)     |
| Length to face of forks                     | l <sub>2</sub>                 | mm   | 400           |
| Fork dimensions                             | s/e/l                          | mm   | 50x 150x 1150 |
| Turning radius                              | Wa                             | mm   | 1330          |
| Drive                                       |                                |      | Electric      |
| Operator type                               |                                |      | Pedestrian    |
| Load distance, centre of drive axle to fork | x                              | mm   | 940 (875)     |
| Wheelbase                                   | y                              | mm   | 1200 (1135)   |

# Features

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## Industrial stabilizing wheels

Equipped with floating stabilizing wheels as standard, the EPL154 provides maximum stability and smooth passability. This feature enhances operator confidence, especially when handling loads on slightly uneven floors.



## Removable Li-ion battery

A 24V/30Ah Li-ion plug-in battery with integrated BMS powers the truck. Its removable design with metal protection cover ensures safety, fast swapping, and reliable performance throughout the shift.

## Compact and lightweight

With just 400 mm fork face length and a service weight of 160 kg, the EPL154 is easy to maneuver in narrow aisles and confined spaces, while still handling up to 1.5 tons of load.



## Reliable drive system

The EPL154 adopts the proven drive system from the EPT20-15ET, delivering consistent power and durability. It also ensures gradeability up to 10% even with a 1000 kg load.

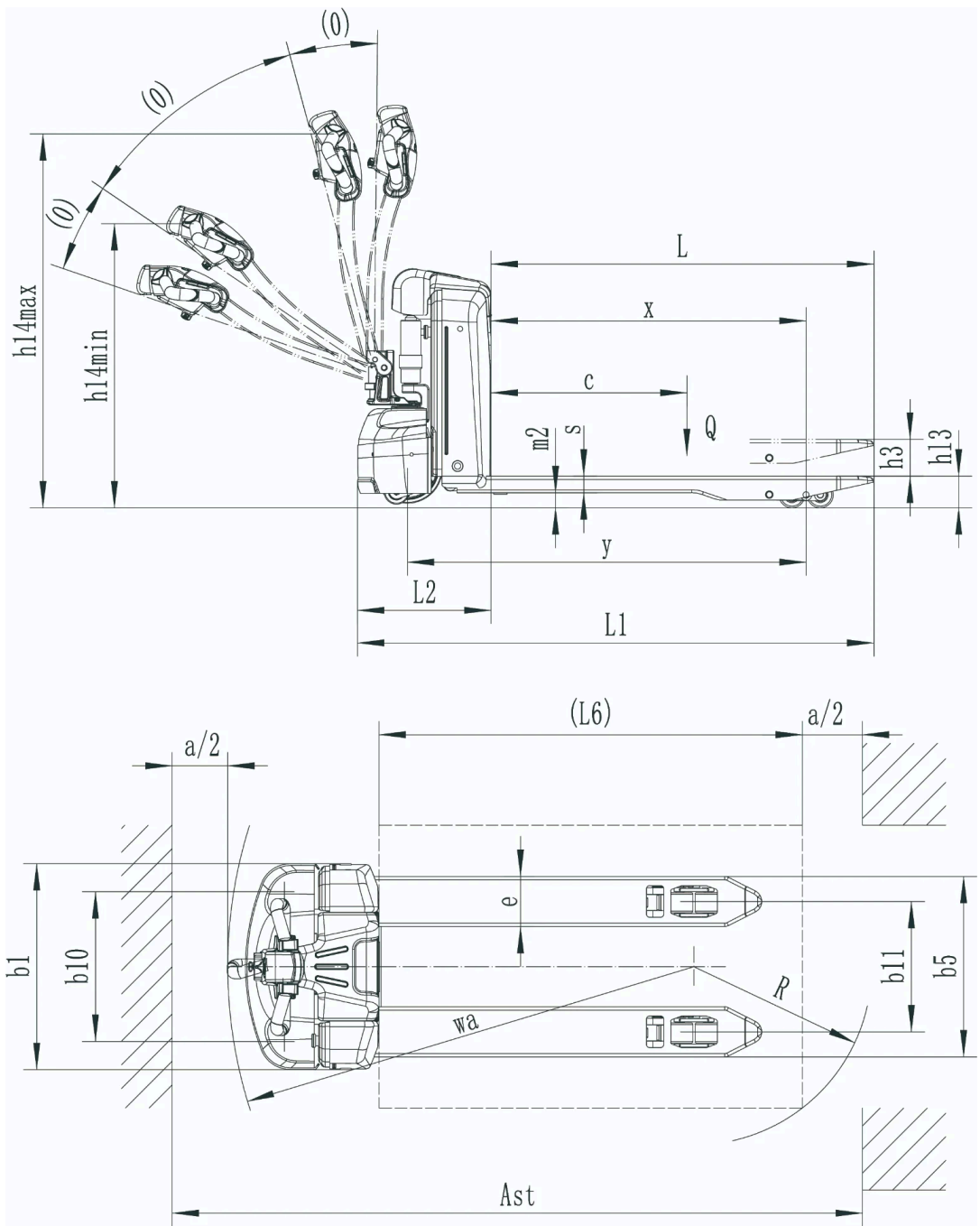


# VDI Chart

| SPECIFICATION |                                               | REF                            | UNIT | VALUE           |
|---------------|-----------------------------------------------|--------------------------------|------|-----------------|
| 1.1           | Manufacturer                                  |                                |      | EP              |
| 1.2           | Model designation                             |                                |      | EPL154          |
| 1.3           | Drive                                         |                                |      | Electric        |
| 1.4           | Operator type                                 |                                |      | Pedestrian      |
| 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   | 940 (875)       |
| 1.9           | Wheelbase                                     | y                              | mm   | 1200 (1135)     |
| 2.1           | Service weight                                |                                | kg   | 160             |
| 2.2           | Axle loading, laden front/rear                |                                | kg   | 555/1105        |
| 2.3           | Axle loading, unladen front/rear              |                                | kg   | 130/30          |
| 3.1           | Tyres                                         |                                |      | Polyurethane    |
| 3.2           | Tyre size, front                              |                                | mm   | 210x70          |
| 3.3           | Tyre size, rear                               |                                | mm   | 80x60           |
| 3.5           | Wheels, number front/rear (x=drive wheels)    |                                |      | 1x 2/4(1x 2/2)  |
| 3.6           | Tread width, front                            | b <sub>10</sub>                | mm   | 450             |
| 3.7           | Tread width, rear                             | b <sub>11</sub>                | mm   | 390 (535)       |
| 4.4           | Lift                                          | h <sub>3</sub>                 | mm   | 115             |
| 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   | 610 (695)       |
| 4.22          | Fork dimensions                               | s/e/l                          | mm   | 50x 150x 1150   |
| 4.34.1        | Aisle width for pallets 1000×1200 crossways   | Ast                            | mm   | 2094            |
| 4.34.2        | Aisle width for pallets 800 × 1200 lengthways | Ast                            | mm   | 2146            |
| 4.35          | Turning radius                                | Wa                             | mm   | 1330            |
| 5.1           | Travel speed, laden/unladen                   |                                | km/h | 4.5 / 5         |
| 5.2           | Lift speed, laden/unladen                     |                                | m/s  | 0.028/0.031     |
| 5.3           | Lowering speed, laden/unladen                 |                                | m/s  | 0.068/0.043     |
| 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   | 0.8             |

| SPECIFICATION |                                           | REF | UNIT  | VALUE      |
|---------------|-------------------------------------------|-----|-------|------------|
| 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    | 10         |
| 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        |

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.



Options

| ITEM                | OPTIONS (optional items marked in yellow)                                                                                                                                                                            |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fork dimension      | 1150*540   800*540   900*540   950*540   1000*540   1070*540   1220*540   1300*540   1400*540   1500*540   800*685   900*685   950*685   10000*685   1070*685   1150*685   1220*685   1300*685   1400*685   1500*685 |
| Fork lowered height | 82                                                                                                                                                                                                                   |
| Load wheel type     | Double   Single                                                                                                                                                                                                      |

| ITEM                 | OPTIONS (optional items marked in yellow)                 |
|----------------------|-----------------------------------------------------------|
| Load wheel material  | PU                                                        |
| Drive wheel material | PU                                                        |
| Battery capacity     | 30Ah                                                      |
| Charger              | 24V-10A integrated   24V-10A external   29.4V/4A external |
| Battery indicator    | With hourmeter                                            |
| Castor wheels        | Yes and not customized                                    |
| Buzzer               | Yes and not customized                                    |
| Drive assembly       | Yes and not customized                                    |