



# ES12-25WA

## Electric Stacker 1.2t

Straddle Design Improves the Stability of Stacking;  
Suitable for Handling and Stacking of Various Non-standardized Pallets.

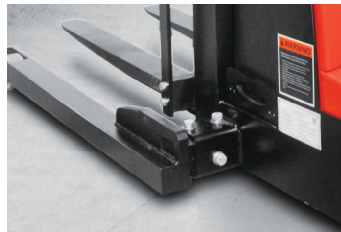
**EP EQUIPMENT CO.,LTD**  
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## FEATURE

### Performance

- The innovative AC system offers strong power, accurate control, excellent performance.
- High strength vertical gearbox, longer working life.
- Low-noise but durable hydraulic unit, good quality cylinder as well as hose ensure the high reliability of hydraulic system.
- AMP connector and durable electric wires greatly reduce malfunctions of components.
- H shape channel mast improves the strength of the whole truck.
- Staddle design ensures the stability of high lifting.



### Safety

- Safe hydraulic system design prevents mast from falling down abruptly when hydraulic pipeline cuts off.
- Emergency reverse button protects the operator from getting hurt.
- Emergency disconnecter will cut off power source to avoid accident when truck goes out of control.
- Multiple lifting limit protection ensures safety.
- Automatic switch to lower speed when the fork reaches its setting height.
- Anti-rolling back brake keeps the truck from skidding down when truck is out of control or travelling on ramp.
- Long operational tiller ensures safety distance for operators.

### Operation

- With the new design of ergonomical tiller head, all buttons can be reached conveniently & comfortably.
- Long tiller reduces the steering force greatly.
- Adjustable forks, suitable for complicated pallets or cargos.
- Creep speed function: when tiller is in near vertical position, the driving speed will decrease automatically, allowing delicate operation in confined space.
- Side-open battery design for easy battery replacement and various applications.
- Two-speed lowering offers better stability and accuracy of goods stacking.

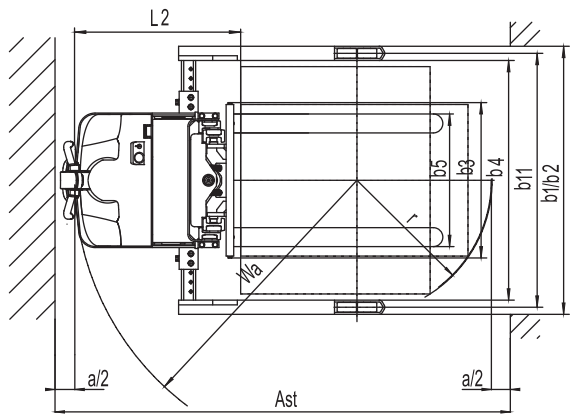
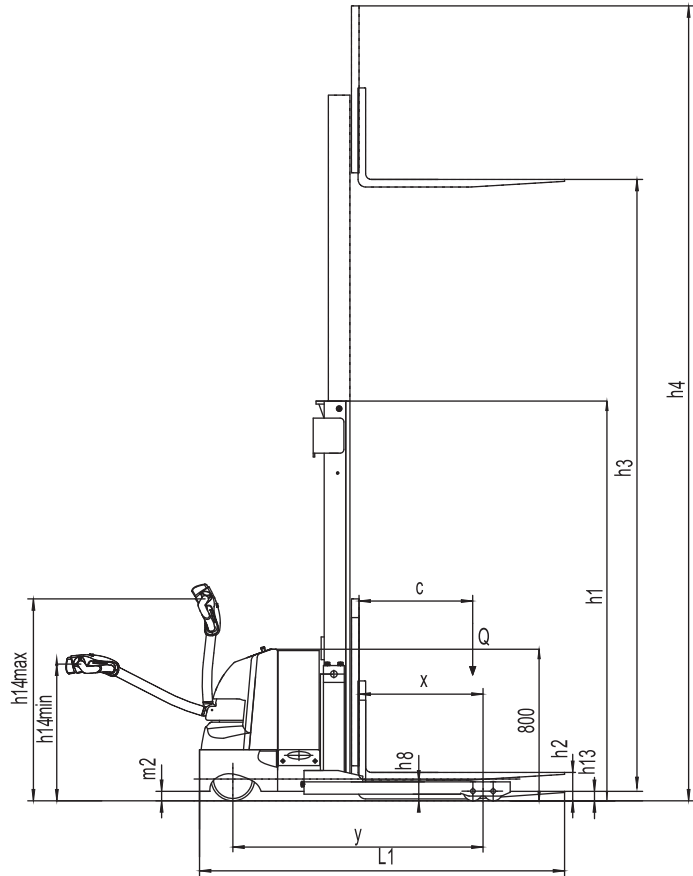
### Maintenance

- AC traction motor, maintenance free.
- Hour meter and battery indicator remind the operator of battery charging.
- Easily remove the back cover by only loosening four bolts; Access to all key components for inspection, maintenance and replacement.
- Vertical motor makes the inspection & service much more convenient.
- Control system allows easy trouble-shooting.
- Mast and chassis are assembled together, easy for maintenance.
- Low voltage cut off setting protects batteries.

# Electric Stacker 1.2t ES12-25WA

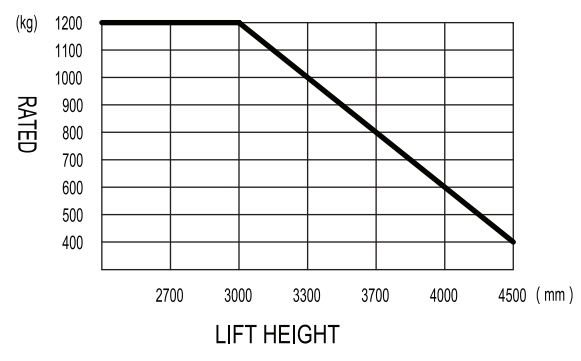
|                     |                |   |                                       |       |                     |      |
|---------------------|----------------|---|---------------------------------------|-------|---------------------|------|
| Distinguishing mark | 1.1            | Manufacturer  |                                       |       | EP                  |      |
|                     | 1.2            | Model designation                                   |                                       |       | ES12-25WA           |      |
|                     | 1.3            | Drive   |                                       |       | Electric            |      |
|                     | 1.4            | Operator type                                       |                                       |       | Pedestrian          |      |
|                     | 1.5            | Load capacity                                       | Q                                     | kg    | 1200                |      |
|                     | 1.6            | Load center distance                                | c                                     | mm    | 600                 |      |
|                     | 1.8            | Load distance, centre of drive axle to fork         | x                                     | mm    | 618                 |      |
|                     | 1.9            | Wheelbase   | y                                     | mm    | 1320                |      |
|                     | Service weight | 2.1   | Service weight                        |       | kg                  | 1150 |
| 2.2                 |                | Axle loading, laden front/rear                      |                                       | kg    | 685/1665            |      |
| 2.3                 |                | Axle loading, unladen front/rear                    |                                       | kg    | 665/485             |      |
| Tyres/chassis       | 3.1            | Tyre type   |                                       |       | Polyurethane        |      |
|                     | 3.2.1          | Tyre size, front                                    |                                       | mm    | Φ230x75             |      |
|                     | 3.3.1          | Tyre size, rear                                     |                                       | mm    | Φ102x50             |      |
|                     | 3.4            | Additional wheels (castor wheels)                   |                                       | mm    | —                   |      |
|                     | 3.5            | Wheels, number front/rear (x=drive wheels)          |                                       | mm    | 1x+0/4              |      |
|                     | 3.6.1          | Tread width, front                                  | b10                                   | mm    | —                   |      |
|                     | 3.7.1          | Tread width, rear                                   | b11                                   | mm    | 1045/1145/1245/1345 |      |
|                     | Dimensions     | 4.0   | Max. Lift Height                      | H     | mm                  | 3280 |
| 4.2                 |                | Retracted mast height                               | h1                                    | mm    | 2110                |      |
| 4.3                 |                | Free lift   | h2                                    | mm    | 150                 |      |
| 4.4                 |                | Lift height   | h3                                    | mm    | 3220                |      |
| 4.5                 |                | Height, mast extended                               | h4                                    | mm    | 4185                |      |
| 4.6                 |                | Initial lift  | h5                                    | mm    | —                   |      |
| 4.9                 |                | Height of tiller handle in drive position min./max. | h14                                   | mm    | 715/1200            |      |
| 4.10                |                | Height of wheel arms                                | h8                                    | mm    | 100                 |      |
| 4.15                |                | Lowered height                                      | h13                                   | mm    | 60                  |      |
| 4.19                |                | Overall length                                      | l1                                    | mm    | 1947                |      |
| 4.20                |                | Length to face of forks                             | l2                                    | mm    | 877                 |      |
| 4.21                |                | Overall width                                       | b1/b2                                 | mm    | 1120/1220/1320/1420 |      |
| 4.22                |                | Fork dimensions                                     | s/e/l                                 | mm    | 40/100/1070         |      |
| 4.24                |                | Fork carriage width                                 | b3                                    | mm    | 800                 |      |
| 4.25                |                | Distance between fork-arms                          | b5                                    | mm    | 200-760             |      |
| 4.26                |                | Distance between wheel arms/loading surfaces        | b4                                    | mm    | 970/1070/1170/1270  |      |
| Performance data    |                | 4.31  | Ground clearance, laden, below mast   | m1    | mm                  | 78   |
|                     |                | 4.32  | Ground clearance, center of wheelbase | m2    | mm                  | 60   |
|                     | 4.34.1         | Aisle width for pallets 1000×1200 crossways         | Ast                                   | mm    | 2405                |      |
|                     | 4.34.2         | Aisle width for pallets 800×1200 crossways          | Ast                                   | mm    | 2400                |      |
|                     | 4.35           | Turning radius                                      | Wa                                    | mm    | 1490                |      |
|                     | 5.1            | Travel speed, laden/unladen                         |                                       | km/h  | 5.0/5.5             |      |
|                     | 5.2            | Lifting speed, laden/unladen                        |                                       | m/s   | 0.127/0.23          |      |
|                     | 5.3            | Lowering speed, laden/unladen                       |                                       | m/s   | 0.26/0.20           |      |
|                     | 5.8            | Max. gradeability, laden/unladen                    |                                       | %     | 8/16                |      |
|                     | 5.10           | Service brake                                       |                                       |       | Electromagnetic     |      |
| Electric-engine     | 6.1            | Drive motor rating S2 60 min                        |                                       | kW    | 1.1                 |      |
|                     | 6.2            | Lift motor rating at S3 15%                         |                                       | kW    | 2.2                 |      |
|                     | 6.4            | Battery voltage/nominal capacity                    |                                       | V/Ah  | 24/210              |      |
|                     | 6.5            | Battery weight                                      |                                       | kg    | 160                 |      |
| Addition data       | 8.1            | Type of drive control                               |                                       |       | AC                  |      |
|                     | 10.5           | Steering design                                     |                                       |       | Mechanical          |      |
|                     | 10.7           | Sound pressure level at the driver's ear            |                                       | dB(A) | 74                  |      |

If there are improvements of technical parameters or configurations, no further notice will be given.  
The diagram shown may contain non-standard configurations.



**RATED CAPACITIES GRAPH**

ES12-25WA



## Mast Option

| Mast types      | Lift height<br>h3+h13 (mm) | Height, mast lowered<br>h1 (mm) | Free lift<br>h2 (mm) | Height, mast extended<br>h4 (mm) |
|-----------------|----------------------------|---------------------------------|----------------------|----------------------------------|
| 2-Standard Mast | 2470                       | 1710                            | 150                  | 3385                             |
|                 | 2670                       | 1810                            | 150                  | 3585                             |
|                 | 2970                       | 1960                            | 150                  | 3885                             |
|                 | 3270                       | 2110                            | 150                  | 4185                             |
|                 | 3470                       | 2210                            | 150                  | 4385                             |
|                 | 3570                       | 2260                            | 150                  | 4485                             |
| 2-Free Mast     | —                          | —                               | —                    | —                                |
|                 | —                          | —                               | —                    | —                                |
| 3-Free Mast     | 4000                       | 1822                            | 904                  | 4915                             |
|                 | 4500                       | 2022                            | 1104                 | 5415                             |
|                 | 4800                       | 2122                            | 1204                 | 5715                             |
|                 | 5000                       | 2187                            | 1269                 | 5915                             |

## Option

| No.  | Optional items            | ES12-25WA   |
|------|---------------------------|---|
| 1.1  | Fork dimension            | ●1070○1150○1220○920                                     |
| 1.2  | Fork lowered height       | ●60   |
| 1.3  | Fork carriage width       | ●800  |
| 1.4  | backrest height           | ●915mm  |
| 2.1  | Load wheel type           | ●Double   |
| 2.2  | Load wheel material       | ●Polyurethane   |
| 2.3  | Drive wheel material      | ●Polyurethane   |
| 2.7  | Battery capacity          | ●210Ah○205Ah(Li-ion)                                    |
| 2.8  | Charger                   | ●24V-30A External○24V-100A External (Li-ion)            |
| 2.9  | Battery indicator         | ●With time○With time (Bluetooth, for Li-ion battery)    |
| 3.3  | Water auto-filling system | ●No○Yes and not customized (only for Lead-acid battery) |
| 3.20 | Telematics                | ●No○Yes and not customized (Only for Li-ion battery)    |

Note: ●Standard ○ Optional - Inconformity