



EST124

ELECTRIC STACKER 1.2T

1200 kg 3013 mm 24 V AGM



Designed for shops, warehouses, and distribution centers, the EST124 is ideal for light stacking in rack systems ranging from 2.5 m to 3.6 m. Its compact design, polyurethane wheels, and turning radius of 1415 mm make it suitable for navigating narrow aisles and confined spaces. Operators benefit from ergonomic tiller control and turtle speed mode for precise and safe handling.

| SPECIFICATION | REF | UNIT | VALUE |
|-----------------------------|-----------|------|-------------|
| Battery type | | | AGM |
| Battery nominal capacity K5 | | Ah | 80 |
| Battery voltage | | V | 24 |
| Rated capacity | Q | kg | 1200 |
| Load centre distance | c | mm | 600 |
| Service weight | | kg | 470 |
| Height, mast lowered | h_1 | mm | 2067 |
| Lift | h_3 | mm | 2930 |
| Height, mast extended | h_4 | mm | 3532 |
| Overall length | l_1 | mm | 1706 |
| Overall width | b_1/b_2 | mm | 925 |
| Length to face of forks | l_2 | mm | 556 |
| Fork dimensions | s/e/l | mm | 60/170/1150 |
| Turning radius | Wa | mm | 1462 |
| Manufacturer | | | EP |
| Model designation | | | EST124 |

Features

Strong and stable chassis

The EST124 is built with a metal cover and reinforced frame that reduces stress and deformation under heavy loads. This ensures reliability and safety during everyday stacking operations.



Medium-height stacking capability

With lift heights of up to 3.6 meters, the EST124 is ideal for warehouses with medium rack systems. Its rigid mast structure allows smooth and consistent lifting performance.

Convenient charging system

Equipped with a 24V/80Ah AGM battery and integrated 10A charger, the EST124 supports easy daily charging without the need for external equipment, ensuring flexibility and reduced downtime.





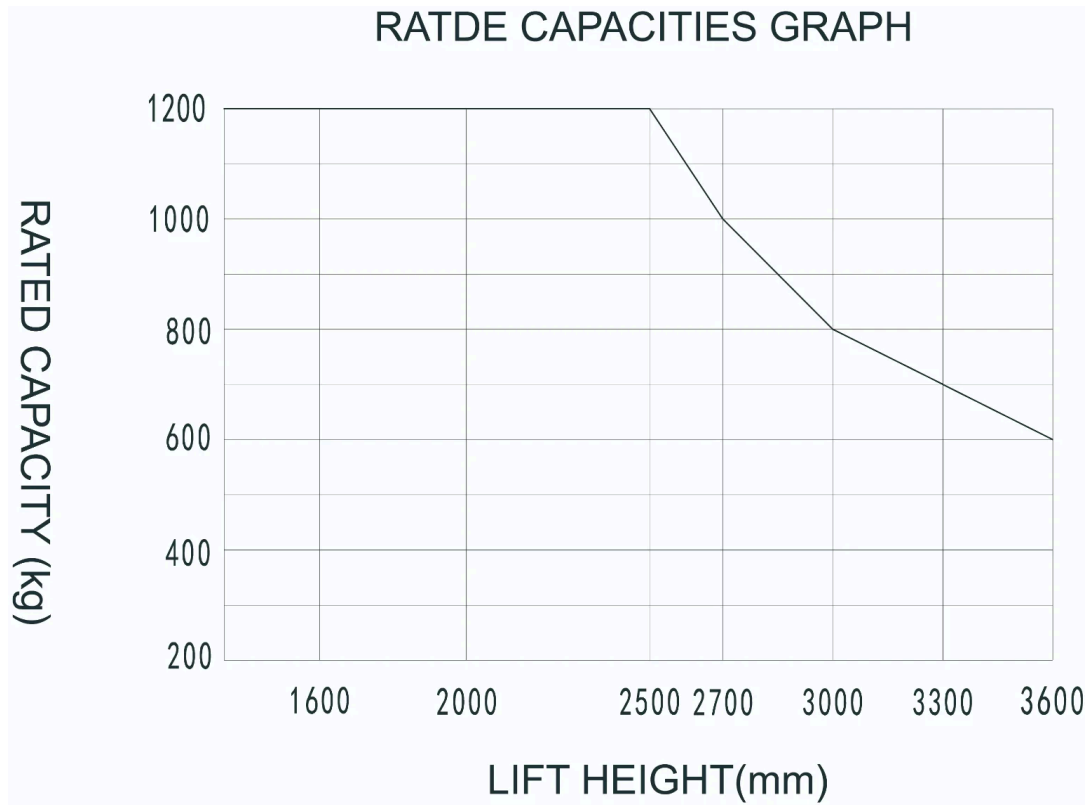
Market-proven components

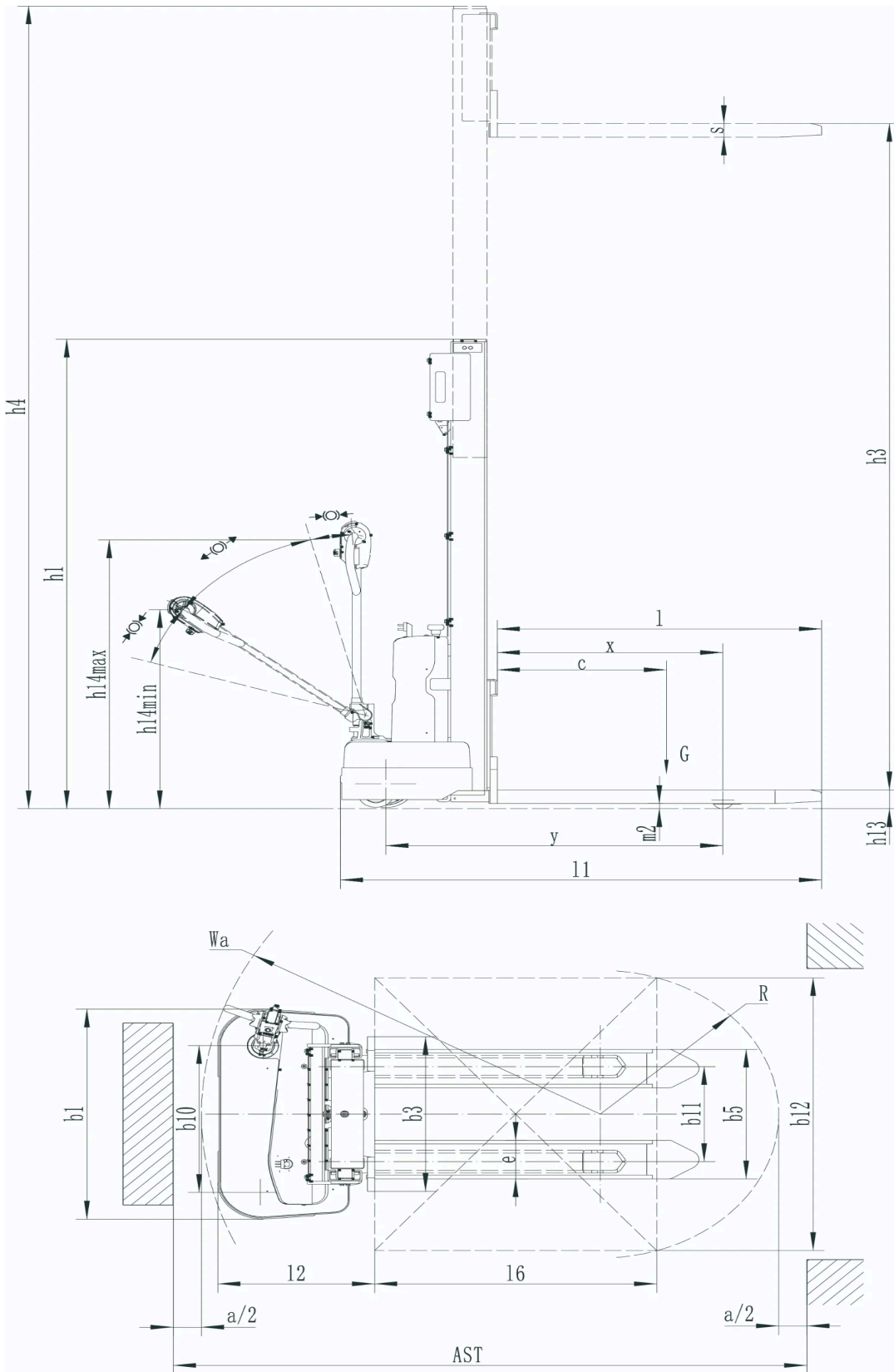
Designed with components from EP's bestsellers, including tiller head, drive unit, and hydraulic system, the EST124 guarantees reliable performance, simplified parts management, and reduced maintenance costs.

VDI Chart

| SPECIFICATION | REF | UNIT | VALUE |
|---------------|--|-----------------|--------------|
| 1.1 | Manufacturer | | EP |
| 1.2 | Model designation | | EST124 |
| 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 800 |
| 1.9 | Wheelbase | y | mm 1195 |
| 2.1 | Service weight | | kg 470 |
| 2.2 | Axle loading, laden front/rear | | kg 520/1150 |
| 2.3 | Axle loading, unladen front/rear | | kg 345/125 |
| 3.1 | Tyres | | Polyurethane |
| 3.2 | Tyre size, front | | mm Ø210×70 |
| 3.3 | Tyre size, rear | | mm Ø74×72 |
| 3.4 | Additional wheels (castor wheels) | | mm Ø130×55 |
| 3.5 | Wheels, number front/rear (x=drive wheels) | | 1x , 1/2 |
| 3.6 | Tread width, front | b ₁₀ | mm 645 |
| 3.7 | Tread width, rear | b ₁₁ | mm 418 |
| 4.2 | Height, mast lowered | h ₁ | mm 2067 |
| 4.4 | Lift | h ₃ | mm 2930 |
| 4.5 | Height, mast extended | h ₄ | mm 3532 |
| 4.9 | Height drawbar in driving position min./max. | h ₁₄ | mm 760/1140 |
| 4.15 | Height, lowered | h ₁₃ | mm 90 |

| SPECIFICATION | | REF | UNIT | VALUE |
|---------------|---|-----------|-------|--------------------|
| 4.19 | Overall length | l_1 | mm | 1706 |
| 4.20 | Length to face of forks | l_2 | mm | 556 |
| 4.21 | Overall width | b_1/b_2 | mm | 925 |
| 4.22 | Fork dimensions | s/e/l | mm | 60/170/1150 |
| 4.24 | Fork carriage width | | mm | 680 |
| 4.25 | Distance between fork-arms | b_5 | mm | 570 |
| 4.32 | Ground clearance, centre of wheelbase | m_2 | mm | 23 |
| 4.34.1 | Aisle width for pallets 1000×1200 crossways | Ast | mm | 2294 |
| 4.34.2 | Aisle width for pallets 800 × 1200 lengthways | Ast | mm | 2226 |
| 4.35 | Turning radius | Wa | mm | 1462 |
| 5.1 | Travel speed, laden/unladen | | km/h | 4.0/4.5 |
| 5.2 | Lift speed, laden/unladen | | m/s | 0.10/0.15 |
| 5.3 | Lowering speed, laden/unladen | | m/s | 0.12/0.10 |
| 5.8 | Max. gradeability, laden/unladen | | % | 3/10 |
| 5.10 | Service brake | | | Electromagnetic |
| 5.11 | Parking brake | | | Electromagnetic |
| 6.1 | Drive motor rating S2 60 min | | kW | 0.75 |
| 6.2 | Lift motor rating at S3 15% | | kW | 2.2 |
| 6.4 | Battery nominal capacity K5 | | Ah | 80 |
| 6.4 | Battery voltage | | V | 24 |
| 6.4.1 | Battery type | | | AGM |
| 6.5 | Battery weight | | kg | 38 |
| 6.6 | Energy consumption according to DIN EN 16796 | | kWh/h | 0.57 ¹⁾ |
| 6.7 | Turnover output according to VDI 2198 | | | 31.2 |
| 6.8 | Turnover efficiency according to VDI 2198 | | | 51 |
| 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 |





Mast Options

| MAST TYPE | LIFT HEIGHT (H3, MM) | MAST LOWERED HEIGHT (H1, MM) | MAST EXTENDED HEIGHT, NO BACKREST (H4, MM) |
|-----------------|----------------------|------------------------------|--|
| 2-Standard Mast | 2513 | 1817 | 3032 |

| MAST TYPE | LIFT HEIGHT (H3, MM) | MAST LOWERED HEIGHT (H1, MM) | MAST EXTENDED HEIGHT, NO BACKREST (H4, MM) |
|-----------------|----------------------|------------------------------|--|
| 2-Standard Mast | 2713 | 1917 | 3232 |
| 2-Standard Mast | 3013 | 2067 | 3532 |
| 2-Standard Mast | 3313 | 2217 | 3832 |
| 2-Standard Mast | 3613 | 2367 | 4132 |

Options

| ITEM | OPTIONS (optional items marked in yellow) |
|---------------------------------|---|
| Fork dimension | 570*1150 685*1150 570*1000 685*1000 570*1220 685*1220 |
| Fork carriage width option | 680 770 |
| Load wheel material | PU |
| Drive wheel material | PU |
| Battery capacity | 80Ah (AGM) |
| Charger | 24V-10A integrated (AGM) |
| Battery display indicator (BDI) | Without time |
| Castor wheels | Yes and not customized |
| Turtle speed | Yes and not customized |